



STANDARD MACHINE TOOLS

Est. 1982

STANDARD MACHINE TOOLS

Machine Tool Catalogue

www.stdmt.co.za



**Real Engineering Products
for Real Engineers.
Since 1982**

THE STANDARD MACHINE TOOLS.

Established in 1982

Specializing in Machine Tools, for Engineering, Sheet Metal and CNC Production fields. Custom Designing and building Machine Tools for Precision Engineering.

We have Supplied Thousands of Machines to Workshops Throughout Africa, and have been involved in Hundreds of Projects Helping our Clients Reach there Manufacturing Goals.

We are Driven by the Success of our Industry and have long been passionate about being Experts in our Field. Partnering with numerous Local and International Companies we offer the Best Value Products that are Reliable And Accurate that our clients have built their Companies around.

We have trading Agents across South Africa and into Africa, offering our Products and services on a Local level, Ensuring easy access to our proven quality Products and Services in your area.

We Build strong relationships with our Clients and are Greatly invested in there companies, believing that Success in business is reliant on strong partnerships.

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R8 SPINDLE TURRET MILLS

PROVEN QUALITY FOR OVER 20 YEARS

QUICK SPEC:

- R8 SPINDLE TAPER
- 2HP STEP PULLEY HEAD
- 3HP VARIABLE SPEED HEAD
- 1270x254MM TABLE

M-SERIES PROVEN QUALITY TURRET MILLS

PROVEN QUALITY TURRET MILLS FOR EVERY DAY PRECISION ENGINEERING

- R8 SPINDLE TAPER
- 86MM DIAMETER QUILL WITH FEED
- 1270x250MM HARDENED AND GROUND TABLE
- ALIGN AL-500 FEED MOTOR ON X-AXIS



M-3M

2HP SPINDLE MOTOR,
STEP PULLEY SPEED HEAD

- 1270x250MM TABLE
- 2HP SPINDLE MOTOR
- 220 OR 380 VOLT
- TRAVELS
X-800MM
Y-380MM
Z-430MM



Student Model Available
Designed For Student Training.



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM

M-3V

3HP SPINDLE MOTOR,
VARIABLE SPEED HEAD

- 1270x254MM TABLE
- 3HP SPINDLE MOTOR
- TRAVELS
X-800MM
Y-380MM
Z-430MM
QUILL-127MM



STANDARD VERTICAL TURRET MILLS

STANDARD PROVEN QUALITY TURRET MILLS

MODEL		M-1		M-2		M-3	
		M	V	M	V	M	V
HEAD TYPE (SPEED ADJUSTMENT)		STEP PULLEY	VARI SPEED	STEP PULLEY	VARI SPEED	STEP PULLEY	VARI SPEED
SPINDLE TAPER		R8		R8		R8	
TABLE SIZE	MM	889x228		1067x228		1270x254 (1370x254OPT)	
MOTOR	HP	3HP		3HP		2	3
TABLE TRAVEL	X	610		700		800 (915OPT)	
	Y	300		330		380	
	Z	380		410		430	
QUILL TRAVEL / DIAMETER	MM	127/86		127/86		127/86	
SPINDLE SPEEDS	RPM	70-4620	60-3600	70-4620	60-3600	70-4620	60-3600
SPINDLE TO TABLE	MM	50-430		50-460		50-480	
DIMENSION(LxWxH)	MM	1540x1330x2010		1710x1680x2160		1710x2040x2180	
WEIGHT	KG	650		950		1050	

MACHINE SPECIFICATIONS:

- QUALITY MEEHANITE CAST BODY
- HARDENED AND GROUND BEDS AND SLIDES
- DOVE TAIL SLIDES
- STANDARD NYLON BUSH TYPE VARIABLE SPEED SYSTEM

STANDARD ACCESSORIES:

- ALIGN AL-500 FEED MOTOR ON X-AXIS
- COOLANT SYSTEM
- ONE-SHOT LUBRICATOR
- PROVEN ELECTRICS

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MILLING MACHINES



PROVEN QUALITY TURRET MILLS.

QUICK SPEC:

- ISO40 SPINDLE TAPER
- 3 + 5HP VARI-SPEED HEAD
- 1270x254MM TABLE ON 4V
- 1370x330MM TABLE ON 5V

ISO40 SPINDLE TURRET MILLS

PROVEN QUALITY FOR OVER 20 YEARS

M-SERIES PROVEN QUALITY TURRET MILLS

PROVEN QUALITY TURRET MILLS FOR EVERY DAY PRECISION ENGINEERING

- ISO40 SPINDLE TAPER
- 86/100MM DIAMETER QUILL WITH FEED
- 1270x250MM TABLE ON 4V
- 1370x330MM TABLE ON 5V
- ALIGN FEED MOTOR ON X-AXIS
- BUILT IN ELEVATING MOTOR ON Z-AXIS



M-4V

3HP SPINDLE MOTOR,
VARIABLE SPEED HEAD

- 1270/1370x250MM TABLE
- 3HP SPINDLE MOTOR
- TRAVELS
X-800/900MM
Y-380MM
Z-430MM
QUILL-127MM



M-5V

5HP SPINDLE MOTOR,
VARIABLE SPEED HEAD

- 1370x330MM TABLE
- 5HP SPINDLE MOTOR
- EXTRA WIDE TABLE SUPPORT
- TRAVELS
X-1014MM
Y-420MM
Z-360MM
QUILL-127MM

THIS MACHINE COMES STANDARD WITH:

- ALIGN X-AXIS FEED
- Z-AXIS ELEVATING MOTOR
- 3-AXIS DRO SYSTEM
- PNEUMATIC DRAW BAR
- SPLASH TRAY
- 150MM ANG-LOCK VICE
- CLAMPING KIT



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM

STANDARD VERTICAL TURRET MILLS

STANDARD PROVEN QUALITY TURRET MILLS

MODEL		M-4V	M-6V	M-5V	M-7V
MACHINE BUILD		STANDARD DUTY		HEAVY DUTY	
HEAD TYPE (SPEED ADJUSTMENT)		MECHANICALLY VARIABLE / ELECTRICALLY VARIABLE			
SPINDLE TAPER		ISO40	ISO40	ISO40	ISO40
TABLE SIZE	MM	1270/1370x254	1524x305	1370x330	1370x360
MOTOR	HP	3	5	5	5
TABLE TRAVEL	X	800/915	1100	1014	1014
	Y	380	380	420	500
	Z	430	480	360	470
QUILL TRAVEL / DIAMETER	MM	127/86	127/100	120/105	150/105
SPINDLE SPEEDS	RPM	60-3600	60-3600	90-2000	90-2000
SPINDLE TO TABLE	MM	50-480	50-530	150-550	100-570
DIMENSION(L×W×H)	MM	1710x2040x2180	2230x2360x2340	1840x2350x2550	1840x2350x2550
WEIGHT	KG	1100	1500	2300	2700

MACHINE SPECIFICATIONS:

- QUALITY MEEHANITE CAST BODY
- HARDENED AND GROUND BEDS AND SLIDES
- SQUARE BOX TYPE SLIDES
- STANDARD NYLON BUSH TYPE VARIABLE SPEED SYSTEM

STANDARD ACCESSORIES:

- ALIGN AL-500 FEED MOTOR ON X-AXIS
- ELEVATING MOTOR
- COOLANT SYSTEM
- ONE-SHOT LUBRICATOR
- PROVEN ELECTRICS

PROVEN QUALITY TURRET MILLS.



GEAR HEAD TWIN SPINDLE TURRET MILL

MEDIUM DUTY

QUICK SPEC:

- ISO 40 SPINDLE TAPER
- 1.5 KW VERTICAL HEAD
- 2.2 KW HORIZONTAL HEAD
- 1120x260MM TABLE

MT-SERIES TWIN SPINDLE MILLS

QUALITY GEAR HEAD TWIN SPINDLE MILLS

- ISO40 SPINDLE TAPER
- GEAR BOX TABLE FEEDS
- MEDIUM DUTY WORK LOAD
- FULL CAST IRON BODY
- SCHNEIDER INDUSTRIAL ELECTRICS



Student Model Available
Designed For Student Training.

MT-600G

GEAR TYPE TWIN SPINDLE MILL

- GEARBOX SPINDLE SPEEDS
- AUTO SPINDLE FEED
- 1.5KW VERT. SPINDLE
- 2.2KW HORI. SPINDLE
- TRAVELS
X-600MM
Y-300MM
Z-315MM



MT-600M

GEAR TYPE TURRET MILL HEAD
- X,Y,Z-AXIS GEARBOX TABLE FEEDS.

MT-600M

GEAR TYPE TWIN SPINDLE MILL
WITH TURRET TYPE HEAD

- GEARBOX SPINDLE SPEEDS
- MANUAL QUILL FEED
- 1.5KW VERT. SPINDLE
- 2.2KW HORI. SPINDLE
- TRAVELS
X-600MM
Y-270MM
Z-360MM



MT-600G
GEAR HEAD MILL



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM

STANDARD TWIN SPINDLE TURRET MILLS

VERTICAL AND HORIZONTAL SPINDLE GEAR DRIVE TURRET MILL

MODEL		MT-600G	MT-600M
VERTICAL HEAD TYPE		GEARBOX TYPE WITH MANUAL FEED	GEARBOX TURRET TYPE WITH MANUAL FEED
TABLE SIZE	MM	1120x260	1120x260
TABLE TRAVEL	X	600	1600
	Y	300	270
	Z	315	360
SPINDLE TAPER	ISO	ISO40	ISO40
SPINDLE SPEEDS	VERTICAL	67-2010	115-1750
	HORIZONTAL	38-1310	38-1310
SPINDLE TO TABLE	MM	115-430	100-400
QUILL TRAVEL	MM	120	120
MAIN MOTOR	KW	1.5(V) 2.2(H)	1.5(V) 2.2(H)
DIMENSION (LxWxH)	MM	1580x1450x2150	2070x2020x1850
WEIGHT	KG	1350	1400

MACHINE SPECIFICATIONS:

- QUALITY CAST IRON BODY
- HARDENED AND GROUND BEDS AND SLIDES
- DOVE TAIL SLIDES

STANDARD ACCESSORIES:

- GEARBOX FEED SYSTEM
- COOLANT SYSTEM
- CENTRAL LUBRICATOR
- PROVEN ELECTRICS



QUICK SPEC:

- ISO40 / ISO50 SPINDLE TAPER
- 2.2 / 4KW SPINDLE MOTOR
- 3HP VARIABLE SPEED HEAD
- 1320x320MM TABLE

HEAVY DUTY TWIN SPINDLE TURRET MILLS

WITH AUTO QUILL FEEDS

MT-SERIES TWIN SPINDLE MILLS

QUALITY GEAR HEAD TWIN SPINDLE MILLS FOR EVERY DAY ENGINEERING

- ISO40/ISO50 SPINDLE TAPER
- GEAR BOX TYPE TABLE FEEDS
- EXTRA TABLE SUPPORT
- EXTRA RIDGED BOX CAST BODY AND FRAME
- SCHNEIDER INDUSTRIAL ELECTRICS

MT-800

GEAR TYPE TWIN SPINDLE MILL
WITH TURRET TYPE HEAD

- GEARBOX SPINDLE SPEEDS
- 2.2KW HORI. + VERT. SPINDLES
- TRAVELS
X-800MM
Y-300MM
Z-400MM

MT-1000

HEAVY DUTY MODEL
- SHOWN WITH OPTIONAL DRO



MT-1000

GEAR TYPE TWIN SPINDLE MILL
WITH TURRET TYPE HEAD

- 1320x320MM TABLE
- GEARBOX SPINDLE SPEEDS OR
OPTIONAL VARIABLE SPEED HEAD
- 2.2KW ISO40 VERT. SPINDLE
- 4KW ISO50 HORI. SPINDLE
- TRAVELS
X-980MM
Y-300MM
Z-400MM



MT-800

MEDIUM DUTY MODEL



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM

STANDARD TWIN SPINDLE TURRET MILLS

VERTICAL AND HORIZONTAL SPINDLE GEAR DRIVE TURRET MILL

MODEL		MT-800	MT-1000
VERTICAL HEAD TYPE		GEARBOX TURRET TYPE WITH AUTO FEED	VARIABLE DRIVE TURRET TYPE WITH AUTO FEED
TABLE SIZE	MM	1320x320	1320x360
TABLE TRAVEL	X	800	980
	Y	300	300
	Z	400	450
SPINDLE TAPER	ISO	ISO40	ISO40(V) ISO50(H)
SPINDLE SPEEDS	VERTICAL	90-2000	70-3000
	HORIZONTAL	38-1310	58-1800
SPINDLE TO TABLE	MM	150-550	0-450
QUILL TRAVEL	MM	120	140
MAIN MOTOR	KW	2.2(Vert) 2.2(Hori)	3.75(Vert) 4(Hori)
DIMENSION (LxWxH)	MM	1710x1720x2330	2070x2020x2330
WEIGHT	KG	2000	2200

MACHINE SPECIFICATIONS:

- QUALITY CAST IRON BODY
- HARDENED AND GROUND BEDS AND SLIDES
- SQUARE BOX SLIDES

STANDARD ACCESSORIES:

- GEARBOX FEED SYSTEM
- COOLANT SYSTEM
- CENTRAL LUBRICATOR
- PROVEN ELECTRICS

GEAR BOX HEAD TWIN SPINDLE TURRET TYPE MILLS.



KNEE TYPE UNIVERSAL MILLS WITH RIGHT ANGLE UNIVERSAL HEAD

QUICK SPEC:

- ISO50 SPINDLE TAPER
- 2.2 / 4KW SPINDLE MOTORS
- 1320x320/360MM TABLES

UK-SERIES UNIVERSAL KNEE TYPE MILLS

QUALITY KNEE TYPE UNIVERSAL MILLS

- ISO50 HORIZONTAL SPINDLE
- GEAR BOX X,Y,Z-AXIS FEEDS
- SCHNEIDER INDUSTRIAL ELECTRICS



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM

UK-800

KNEE TYPE UNIVERSAL MILL

- 1320x320MM TABLE
- 4KW ISO50 HORI. SPINDLE
- TRAVELS
X-800MM
Y-300MM
Z-400MM



UK-1000SW

KNEE TYPE UNIVERSAL MILL WITH SWIVEL TABLE

- 1320x360MM TABLE
- 4KW ISO50 HORI. SPINDLE
- TRAVELS
X-1000MM
Y-300MM
Z-400MM



WITH SWIVEL TABLE
- SHOWN WITH OPTIONAL DRO

STANDARD ACCESSORIES



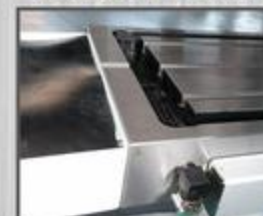
HORIZONTAL VERTICAL
MILLING HEAD



HARDENED AND GROUND
SQUARE BOX SLIDES WAYS



GEARBOX TABLE FEEDS



HARDENED AND GROUND
TABLE

STANDARD UNIVERSAL KNEE MILLS

UK-SERIES KNEE TYPE UNIVERSAL MILL WITH 90DEG. MILLING HEAD				
MODEL		UK-800	UK-1000	UR-1000SW
SPINDLE TAPER		ISO50		
TABLE SIZE	MM	1320x320	1320x320	1320x360
TABLE TRAVEL	X	800	1000	1000
	Y	300	300	300
	Z	380	400	400
SPINDLE TAPER		ISO50		
SPINDLE SPEEDS	RPM	58-1800		
SPINDLE TO TABLE	MM	0-400		
TABLE SWIVEL	DEG	NONE		±35°(SWIVEL TABLE)
RAM TRAVEL	MM	500		
MAIN MOTOR	KW	2.2	4	
DIMENSION (L×W×H)	MM	2070x1900x1850	2070x2020x1850	2070x2050x1950
WEIGHT	KG	2100	2200	2300

KNEE TYPE UNIVERSAL MILLS.

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KNEE TYPE MILLING
MACHINES



QUICK SPEC:

- ISO40 + ISO50 SPINDLES
- 2.2/4KW SPINDLE MOTORS

RAM HEAD TYPE UNIVERSAL MILLS GEARBOX SPINDLES

UR-SERIES RAM TYPE UNIVERSAL MILLS

QUALITY UNIVERSAL MILLS FOR QUALITY ENGINEERING WORK

- ISO40/ISO50 SPINDLE TAPER
- GEAR BOX X,Y,Z-AXIS TABLE FEEDS
- GEARBOX SPINDLE DRIVES WITH ALL STEEL GEARS
- SCHNEIDER INDUSTRIAL ELECTRICS



Student Model Available
Designed For Student Training.



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM



UR-600

SMALL OR TRAINING SIZE RAM
HEAD UNIVERSAL MILL

- 1120x260MM TABLE
- GEARBOX SPINDLE SPEEDS
- 2.2KW SPINDLE MOTOR
- TRAVELS
X-600MM
Y-270MM
Z-380MM



UR-1000

RAM HEAD TYPE UNIVERSAL MILL
WITH 2 MOTORIZED SPINDLES

- 1320x320MM TABLE
- GEARBOX SPINDLE SPEEDS
- 2.2/3KW SPINDLES ON ISO40 MODEL
- 4KW SPINDLES ON ISO50 MODELS
- TRAVELS
X-1000MM
Y-300MM
Z-400/500MM



STANDARD ACCESSORIES



RIDGED UNIVERSAL
MILLING HEAD



HARDENED AND GROUND
SQUARE BOX SLIDES WAYS



GEARBOX TABLE FEEDS



HORIZONTAL MILLING AT-
TACHMENT WITH ARBOUR

STANDARD RAM HEAD UNIVERSAL MILLS

UR-SERIES RAM HEAD UNIVERSAL MILLS WITH 45DEG. UNIVERSAL HEAD

MODEL		UR-600	UR-1000	UR-1000	UR-1300
SPINDLE TAPER		ISO40		ISO50	
TABLE SIZE	MM	1120x260	1320x320	1320x360	1600x360
TABLE TRAVEL	X	600	1000		1300
	Y	270	300	290	290
	Z	380	500	400	
SPINDLE SPEEDS (RPM)	VERTICAL	45-1660	45-1660	60-1750	60-1750
	HORIZONTAL	NONE	40-1300	58-1800	58-1800
SPINDLE TO TABLE (MM)	VERTICAL	100-480	100-600	0-400	0-400
	HORIZONTAL	NONE	0-440	0-400	0-400
TABLE SWIVEL	DEG	NONE	NONE	±35° (SWIVEL TABLE)	±35° (SWIVEL TABLE)
RAM TRAVEL	MM	400	500	500	
MAIN MOTOR	KW	2.2	2.3	2.4	
DIMENSION (L×W×H)	MM	1655x1500x1730	2020x1710x1994	2070x2025x2020	2370x2025x2020
WEIGHT	KG	1400	2100	2300	2500

RAM TYPE UNIVERSAL MILLS.



BED TYPE MILLING MACHINES

VARIABLE SPEED TURRET MILL HEAD

QUICK SPEC:

- ISO40 SPINDLE TAPER
- 5HP VARIABLE SPEED HEAD
- RIDGED BOX DESIGN
- BIGGER MILLING JOBS

MB-PROVEN QUALITY BED MILLS

PROVEN QUALITY BED MILLS FOR EVERY DAY PRECISION ENGINEERING

- 5HP TURRET TYPE MILLING HEAD
- BOX FRAME DESIGN WITH HEAVY DUTY SQUARE BOX SLIDES
- Z-AXIS ELEVATING MOTOR (LIFTS HEAD)
- ALIGN FEED MOTOR ON X-AXIS



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM

MB-9V

**BED TYPE MILL WITH VARIABLE
SPEED TURRET TYPE HEAD**

- 1370x254MM TABLE
- 5HP SPINDLE MOTOR
- TRAVELS
X-915MM
Y-510MM
Z-700MM
- 100MM DIA. QUILL

700MM VERTICAL TRAVEL
800MM SPINDLE TO TABLE



80% TABLE SUPPORT



MB-11V

**BED TYPE MILL WITH VARIABLE SPEED
HEAD AND EXTRA TABLE SUPPORT**

- 1524x305MM TABLE
- 5HP SPINDLE MOTOR
- TRAVELS
X-1100MM
Y-490MM
Z-650MM
- 100MM DIA. QUILL

STANDARD ACCESSORIES



HARDENED AND GROUND
TABLE



HARDENED AND GROUND
SQUARE BOX SLIDES WAYS



ONE SHOT LUBRICATION



ALIGN TABLE FEED

STANDARD BED TYPE MILLS

MB-SERIES MEDIUM DUTY BED MILLS

MODEL		MB-9V	MB-11V
VERTICAL HEAD TYPE		VARIABLE TURRET TYPE	
TABLE SIZE	MM	1370x254	1524x305
TABLE TRAVEL	X	915	1100
	Y	510	490
	Z	700	650
TABLE LOAD	KG	500	650
SPINDLE TAPER	VERTICAL	ISO40	
	HORIZONTAL	NOT AVAILABLE	
SPINDLE SPEEDS	VERTICAL	60-3600	
SPINDLE TO TABLE	MM	50-750	50-700
QUILL TRAVEL	MM	127	
FEED SYSTEM		LEAD SCREW WITH AC MOTOR ON Z AND ALIGN FEED ON X	
MAIN MOTOR	KW	3.75	
DIMENSION(LxWxH)	MM	1580x1800x1880	1580x2360x2080
WEIGHT	KG	1200	1400

MEDIUM DUTY BED TYPE MILLING MACHINES.



QUICK SPEC:

- ISO40 SPINDLE TAPER
- 5 - 7.5HP GEAR TYPE HEAD
- 1524-1902x410MM TABLE
- RIDGED BOX DESIGN
- BIGGER MILLING JOBS

HIGH PRECISION BED TYPE MILLING MACHINES

GEAR DRIVEN TURRET MILL HEAD



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM



POWERFULL
AC-FEED MOTORS

MB-HIGH PRECISION BED MILLS

DESIGNED FOR HIGH PRECISION WORK

- HEAVY DUTY TURRET MILL TYPE HEAD
- RIDGED FRAME DESIGN WITH SQUARE BOXE TYPE SLIDES
- POWERFULL BUILT IN AC/DC DRIVE SYSTEM
- PRECISION BALL SCREWS ON ALL AXIS

MB-12B

**PRECISION BED MILL WITH BALL SCREWS
AND INTEGRATED DRIVE SYSTEM**

- ISO40 SPINDLE TAPER
- 1524x406MM TABLE
- 5HP SPINDLE MOTOR
- TRAVELS
X-1200MM
Y-500MM
Z-520MM

**OPTIONAL:
Z-AXIS TRAVEL UP TO 720MM**

MB-16B

**PRECISION BED MILL WITH BALL SCREWS
AND INTEGRATED DRIVE SYSTEM**

- ISO40 SPINDLE TAPER
- 1902x410MM TABLE
- 7.5HP SPINDLE MOTOR
- TRAVELS
X-1600MM
Y-650MM
Z-700MM

**OPTIONAL :
Z-AXIS TRAVEL UP TO 1000MM**



**OPTIONAL:
HORIZONTAL MILLING SYSTEM
WITH OWN VERTICAL TRAVEL**

POWERFULL
DC-FEED MOTORS

STANDARD HIGH PRECISION BED MILLS

MB-SERIES PRECISION BED MILLS				
MODEL		MB-12B	MB-14B	MB-16B
VERTICAL HEAD TYPE		GEAR TYPE TURRET	GEAR TYPE TURRET	GEAR TYPE TURRET
TABLE SIZE	MM	1724x406	1702x410	1902x410
TABLE TRAVEL	X	1200	1400	1600
	Y	500	600	650
	Z	520/720	700-1000	700-1000
TABLE LOAD	KG	800	1200	1500
SPINDLE TAPER	VERTICAL	ISO40	ISO40	ISO40
	HORIZONTAL	ISO40 (OPTIONAL)	ISO40 (OPTIONAL)	ISO40 (OPTIONAL)
SPINDLE SPEEDS	VERTICAL	85-3600	85-3600	85-3600
SPINDLE TO TABLE	MM	130-650/850	800-1100	800-1100
QUILL TRAVEL	MM	125	140	140
FEED SYSTEM		BALLSCREW WITH YASKAWA DRIVES ON X,Y,Z	BALLSCREW WITH YASKAWA DRIVES ON X,Y,Z	BALLSCREW WITH YASKAWA DRIVES ON X,Y,Z
MAIN MOTOR	KW	3.75	3.75/5	3.75/5
DIMENSION(L×W×H)	MM	1520x1290x2150	1520x1290x2150	1710x1720x2330
WEIGHT	KG	2600	3800	4000

MEDIUM DUTY PRECISION BED TYPE MILLING MACHINES.



HEAVY DUTY PRECISION BED MILLS WITH HEAVY DUTY MILLING HEADS

QUICK SPEC:

- ISO50 SPINDLE TAPER
- 7.5 - 11KW SPINDLE MOTORS
- 1702 - 2450x650MM TABLE
- 1400 - 2000MM X-TRAVEL

MB-HIGH PRECISION HEAVY DUTY BED MILLS

DESIGNED FOR PRECISION HEAVY DUTY WORK

- HEAVY DUTY FIXED ANGLE VERTICAL / HORIZONTAL MILLING HEADS
- RIDGED FRAME DESIGN WITH SQUARE BOX WAY SLIDES
- POWERFULL BUILT IN AC/DC DRIVE SYSTEM
- PRECISION BALL SCREWS ON ALL AXIS
- VERTICAL AND HORIZONTAL MILLING HEADS AVAILABLE



OPTIONAL:
HORIZONTAL MILLING SYSTEM
WITH OWN VERTICAL TRAVEL



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM

MB-16VF

HIGH PRECISION HEAVY DUTY BED MILLS

- ISO50 SPINDLE TAPER
- 1902x410/510MM TABLE
- 7.5/11KW SPINDLE MOTOR
- TRAVELS
X-1600MM
Y-650MM
Z-600MM

OPTIONAL:
Z-AXIS TRAVEL UP TO 900MM



MB-16FH

HEAVY DUTY VERT. + HORI. SPINDLE BED MILL

- ISO50 SPINDLE TAPER
- 2400x650MM TABLE
- 11/15KW SPINDLE MOTOR
- TRAVELS
X-1600MM
Y-600MM
Z-800MM

-3 TON TABLE LOAD
-BOTH HEADS HAVE QUILLS

STANDARD HEAVY DUTY BED MILLS

HEAVY DUTY BED TYPE MILLS WITH VERTICAL AND OPTIONAL HORIZONTAL HEADS					
MODEL		MB-14VF / H	MB-16VF / H	MB-20VF / H	MB-16FH
VERTICAL HEAD TYPE		HEAVY DUTY GEAR HEAD WITH VARIABLE SPEED			HEAVY DUTY GEAR HEAD WITH VARIABLE SPEED
TABLE SIZE	MM	1702x410/510	1902x410/510	1902x510/610	2400X650
TABLE TRAVEL (MM)	X	1400	1600	2000	1630
	Y	600			600
	Z	700-1000			800
QUILL TRAVEL	MM	NONE			190 (V) + (H)
TABLE LOAD	KG	1200	1500	1800	3000
SPINDLE TAPER	VERTICAL	ISO50			
	HORIZONTAL	ISO50 (OPTIONAL)			ISO50
SPINDLE SPEEDS	RPM	60-3000			19-860 (V)+(H)
SPINDLE TO TABLE	MM	90-690/990			
FEED SYSTEM		BALLSCREW WITH YASKAWA DRIVES ON X,Y,Z			BUILT IN ELECTRICALLY VARIABLE FEEDS
MAIN MOTOR	KW	7.5/11			11
DIMENSION (L*W*H)	MM	2580x2200x2300	2780x2200x2300	3450x2200x2300	4100X3700X4250
WEIGHT	KG	3800	4000	6300	17000
HEAVY DUTY GEAR HEAD BED TYPE MILLING MACHINES WITH VERTICAL AND OPTIONAL HORIZONTAL SPINDLE					



QUICK SPEC:

- ISO50 SPINDLE TAPER
- 7.5-11KW SPINDLE MOTOR
- 2100x500MM TABLE ON UB-15
- 2700x575MM TABLE ON UB-20

HEAVY DUTY UNIVERSAL BED MILLS WITH UNIVERSAL MILLING HEAD

UB-HEAVY DUTY UNIVERSAL BED MILLS

DESIGNED FOR HEAVY DUTY WORK WHERE A UNIVERSAL HEAD IS NEEDED

- UNIVERSAL MILLING HEAD (HURON TYPE)
- EXTRA RIDGED FRAME DESIGN WITH SQUARE BOX SLIDE WAYS
- POWERFULL BUILT IN AC/DC DRIVE SYSTEM
- 2 + 5 TON ON THE TABLE



UB-15

HEAVY DUTY UNIVERSAL BED MILL

- ISO50 SPINDLE TAPER
- 2100x500MM TABLE
- 7.5KW SPINDLE MOTOR
- TRAVELS
X-1500MM
Y-670MM
Z-670MM

-2 TON TABLE LOAD



UB-25

HEAVY DUTY UNIVERSAL BED MILL

- ISO50 SPINDLE TAPER
- 2800x500MM TABLE
- 7.5KW SPINDLE MOTOR
- TRAVELS
X-2500MM
Y-1020MM
Z-1090MM

-5 TON TABLE LOAD



UB-18

HEAVY DUTY SIDE HEAD UNIVERSAL BED MILL

- ISO50 SPINDLE TAPER
- 2700x575MM TABLE
- 11/15KW SPINDLE MOTOR
- TRAVELS
X-2000MM
Y-600MM
Z-700MM

-3 TON TABLE LOAD

STANDARD HEAVY DUTY UNIVERSAL BED MILLS

UB-SERIES HEAVY DUTY UNIVERSAL BED TYPE MILLING MACHINES

MODEL		UB-15	UB-18	UB-20	UB-25
TABLE SIZE	MM	2100x500	2500x575	2700x575	2800x500
TRAVELS (X,Y,Z)	MM	1500x670x670	1800x600x700	2000x600x700	2500x1020x670
VERTICAL SPINDLE TO COLUMN	MM	610	610	610	900
SPINDLE TAPER		ISO50	ISO50	ISO50	ISO50
FEED SPEED(X,Y)	MM/MIN	20-1800	20-2200	20-2200	22-560
FEED SPEED(Z)	MM/MIN	12-1320	12-1320	12-1320	11-280
RAPID FEED SPEED(X,Y)	MM/MIN	3500	3000,1800	3000	1650
SPINDLE SPEEDS/STEPS	R/MIN	35-1345 (12 GEARS)	40-1200 (12 GEARS)	40-1200 (12 GEARS)	36-1340 (12 GEARS)
SPINDLE MOTOR	KW	7.5	11	11	7.5/11
LOAD ON TABLE	KG	2000	3000	3000	5000
DIMENSION(LxWxH)	MM	3300x2380x2750	4300x3200x3300	4300x3200x3300	3300x3000x3000
WEIGHT	KG	7300	10000	11000	12000

HEAVY DUTY UNIVERSAL BED MILLS.

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UNIVERSAL BED MILLS



EMC-SERIES VERTICAL MACHINING CENTRES

400 - 1000MM X-TRAVEL

QUICK SPEC:

- BT40 SPINDLE TAPER
- 3.7 - 11KW SPINDLE MOTORS
- 400 - 1000MM X-TRAVEL
- EVERYDAY PERFORMANCE

EMC-SERIES VERTICAL MACHINING CENTRES

DESIGNED FOR TO OFFER MAXIMUM VALUE, HIGHLY CUSTOMISABLE.

- RIDGED FRAME DESIGN
- LINEAR GUIDE OR BOX SLIDE WAYS
- FANUC OR GSK CNC CONTROLLER
- HIGH PRESSURE COOLANT SYSTEM
- CHIP CONVEYOR SYSTEM

EMC-600F

COMPACT CNC MILLING MACHINE

- BT40 SPINDLE TAPER
- 920x320MM TABLE
- 3.7KW SPINDLE MOTOR
- TRAVELS
- X-600MM
- Y-350MM
- Z-500MM

- SHOWN WITH OPTIONAL ARM TYPE TOOL CHANGER



EMC-1000F

GENERAL SIZE CNC MILLING MACHINE

- BT40 SPINDLE TAPER
- 1100x600MM TABLE
- 7.5/11KW SPINDLE MOTOR
- TRAVELS
- X-1000MM
- Y-600MM
- Z-550MM

- SHOWN WITH DISC TYPE TOOL CHANGER



Student Model Available
Designed For Student Training.

STANDARD VERTICAL CNC MILLS

EMC-SERIES CNC MILLS FOR SOUTH AFRICAN CONDITIONS

MODEL		EMC-400	EMC-620	EMC-800	EMC-1000
TABLE SIZE (WxL)	MM	240X800	320X920	460X800	600X1100
TRAVELS (X/Y/Z)	MM	400x240x400	620x350x500	800x500x510	100x600x550
SPINDLE SPEED	RPM	6000	6000	8000-10 000	6000-10 000
SPINDLE TAPER	BT	BT30	BT40		
SPINDLE MOTOR (CONT/30MIN)	KW	3.7		7.5	7.5/11
RAPID FEED (X/Y/Z)	M/MIN	6	18	24-30	36-48
TOOL CHANGE	TOOL	10	16	16 (DISC TYPE)	20 (ARM OR DISC)
LOAD ON TABLE	KG	200	350	500	800
DIMENSIONS (LxWxH)	MM	1870x1520x2000	2020x1970x2160	2450x2200x2300	2800x2200x2600
WEIGHT	TON	1.6	6	4.7	5.4

NO-NONSENSE VERTICAL MACHINING CENTRES, JUST WHAT YOU NEED.



QUICK SPEC:

- BT40 / 50 SPINDLE TAPER
- 11/15KW SPINDLE MOTORS
- 1200 - 1600MM X-TRAVEL
- HEAVY DUTY CNC

EMC-SERIES VERTICAL MACHINING CENTRES

OVER 1200MM X-TRAVEL

EMC-SERIES HEAVY DUTY VMC

DESIGNED TO BALANCE PERFORMANCE AND CONSISTENCY ON HEAVY JOBS

- RIDGED FRAME DESIGN
- PROVEN HEAVY DUTY BOX SLIDES
- FANUC OR GSK CONTROLS
- HIGH PRESSURE COOLANT SYSTEM
- CHIP CONVEYOR SYSTEM

EMC-1200F

HEAVY DUTY VMC WITH FULL-GUARD

- BT40 / 50 SPINDLE TAPER
- 1220x620MM TABLE
- 11/15KW SPINDLE MOTOR
- TRAVELS
X-1200MM
Y-600MM
Z-600MM
- WITH ARM TYPE TOOL CHANGER



EMC-1600

HEAVY DUTY VMC WITH SEMI-GUARD

- BT50 SPINDLE TAPER
- 1800x800MM TABLE
- 11/15KW SPINDLE MOTOR
- TRAVELS
X-1600MM
Y-850MM
Z-700MM
- WITH ARM TYPE TOOL CHANGER

STANDARD HEAVY DUTY VERTICAL CNC MILLS

HEAVY DUTY EMC-SERIES CNC MILLS FOR SOUTH AFRICAN CONDITIONS

MODEL		EMC-1200	EMC-1400	EMC-1600
TABLE SIZE (WxL)	MM	620X1220	620X1400	800X1800
TRAVELS (X/Y/Z)	MM	1200x600x600	1400x600x600	1600x850x700
SPINDLE SPEED	RPM	6000-10 000	6000-10 000	6000
SPINDLE TAPER	BT	BT40 OR BT50		BT50
SPINDLE MOTOR (CONT/30MIN)	KW	7.5/11		11/15
RAPID FEED (X/Y/Z)	M/MIN	24-30		18
TOOL CHANGE	TOOLS	24 (ARM OR DISC)	24 (ARM OR DISC)	24 (ARM OR DISC)
LOAD ON TABLE	KG	1000		2000
DIMENSIONS (LxWxH)	MM	3250x2500x2600	3270x2905x2800	4400x3400x3200
WEIGHT	TON	8.1	8.5	13

NO-NONSENSE VERTICAL MACHINING CENTRES, JUST WHAT YOU NEED.



VERTICAL MACHINING CENTRE HIGH PERFORMANCE

QUICK SPEC:

- BT40 / BT50 SPINDLE TAPER
- 1.4 SEC. TOOL CHANGER
- EXTRA RIDGED BODY DESIGN
- BUILT FOR PERFORMANCE

VCL-850

EXTRA HIGH PERFORMANCE VMC

- BT40 SPINDLE TAPER
- 1000X550MM TABLE
- 7.5KW SPINDLE MOTOR
- TRAVELS
X-850 - 1100MM
Y-550 - 600MM
Z-540 - 610MM



VCL-SERIES EXTRA HIGH PERFORMANCE

DESIGNED FOR EXTRA HIGH PRECISION WORK REPEATABILITY OF 0.005MM

- EXTRA RIDGED FRAME DESIGN
- NSK LINEAR GUIDE WAYS FOR FAST AND SMOOTH CUTTING FEEDS
- HEIDENHAIN CNC CONTROLLER WITH PRECISION GLASS SCALE FEED BACK SYSTEM
- HIGH PRESSURE COOLANT WITH CHIP FLUSHING

VMCL-SERIES HIGH PERFORMANCE

DESIGNED TO BALANCE PERFORMANCE AND CONSISTANCY

- RIDGED FRAME DESIGN
- LINEAR GUIDE WAYS FOR FAST AND SMOOTH CUTTING FEEDS
- HIGH PRESSURE COOLANT WITH CHIP FLUSHING

VMC-SERIES HEAVY DUTY HIGH PERFORMANCE

DESIGNED TO BALANCE PERFORMANCE AND CONSISTANCY ON HEAVY JOBS

- EXTRA HEAVY FRAME DESIGN
- PROVEN HEAVY DUTY BOX SLIDES
- HIGH PRESSURE COOLANT WITH CHIP FLUSHING

TONTECH HIGH PERFORMANCE VERTICAL CNC MILL

HIGH PERFORMANCE VERTICAL MACHINING CENTRES									
MODEL		VMCL HIGH PERFORMANCE			VCL EXTRA PERFORMANCE		VMC HEAVY DUTY		
		600	800	1100	850	1100	1300A	1650A	1800A
TABLE SIZE(WxL)	MM	400x800	430x950	550x1200	550x1000	630x1100	630x1600	800x1850	800x2000
TRAVELS(X/Y/Z)	MM	600X410X510	800X500X510	1100X560x575	850X550X540	1100X600X610	1300X650X710	1650X850X710	1800X850X710
SPINDLE SPEED	RPM	8000-12000					6000		
SPINDLE TAPER	-	BT40					BT50		
SPINDLE MOTOR (CONT/30MIN)	KW	5.5/7.5		7.5/11	5.5/7.5	7.5/11	15/18.5		
RAPID FEED (X/Y/Z)	M/MIN	32		36			24-32		
TOOL CHANGE	TOOLS	20		24			24		
TOOL CHANGE TIME	SEC	1.4		1.4			2.9		
WEIGHT	TON	6	6.5	8.2	7	9	12	17	18

HIGH PERFORMANCE VERTICAL MACHINING CENTRES.



QUICK SPEC:

- BT50 SPINDLE TAPER
- OPTIONAL PALLET CHANGER
- HIGH PERFORMANCE MILLING

HORIZONTAL MACHINING CENTRE HIGH PERFORMANCE

MCH-63

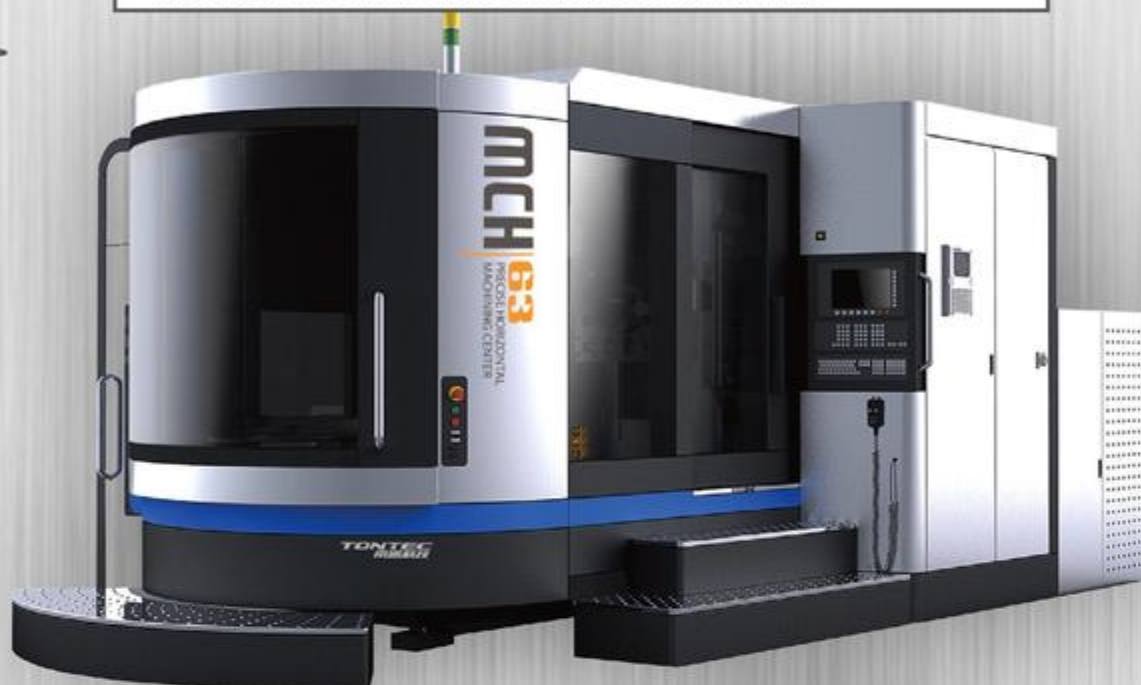
HIGH PERFORMANCE HMC

- BT50/HSK63 SPINDLE TAPER
- 630x630MM TABLE
- 22KW SPINDLE MOTOR
- 0.007MM CUTTING ACCURACY
- TRAVELS
X-900MM
Y-650MM
Z-700MM

MCH-SERIES HEAVY DUTY HMC

DESIGNED FOR PERFORMANCE

- RIDGED FRAME DESIGN
- PROVEN HEAVY DUTY BOX SLIDES
- FANUC OR GSK CONTROLS
- HIGH QUALITY AND PRODUCTION CNC MACHINES



MCH SERIES T-BOX TYPE DESIGN

- Z+Y-TRAVEL IS ON HEAD
- X-TRAVEL IS ON TABLE



MCH-P SERIES PORTAL HEAD TYPE DESIGN WITH AUTO PALLET CHANGER

- X+Y-TRAVEL IS ON HEAD
- Z-TRAVEL IS ON TABLE

TONTECH HIGH PERFORMANCE HORIZONTAL CNC MILL

TONTEC HORIZONTAL MACHINING CENTRES						
MODEL	MCH-	50	63	80	630P	63P EXTRA PRECISION
MACHINE LAYOUT AND TRAVEL AXIS		FIXED TABLE Z+Y-TRAVEL ON HEAD X-TABLE TRAVEL			PALLET CHANGER X+Y-TRAVEL ON HEAD Z-TABLE TRAVEL	
TABLE SIZE(WXL)	MM	500X500	630X630	800X800	800X800	800X800
TRAVELS(X/Y/Z)	MM	700x580x580	1000x740x800	1300x900x900	900x650x700	
ACCURACY	MM	0.01			0.01	0.007
REPEATABLE ACCURACY	MM	0.006			0.006	0.004
SPINDLE TO TABLE	MM	120-700	60-800	100-1000	150-800	
SPINDLE SPEED	TAPER/RPM	BT40 - 8000 BT50 - 6000			BT50 - 6000	HSK A63 - 20 000
SPINDLE MOTOR (CONT/30MIN)	KW	11/15			22	
RAPID FEED(X/Y/Z)	M/MIN	32	32	36	30	42
CUTTING FEEDS	M/MIN	15	10		10	20
TOOL CHANGE	TOOLS	20	20	24	32	48/60

HIGH PERFORMANCE HORIZONTAL M HIGH PERFORMANCE HORIZONTAL MACHINING CENTRES

BRIDGE TYPE MACHINING CENTRE HIGHLY CUSTOMISABLE

QUICK SPEC:

- BT40/BT50 SPINDLE TAPER
- 1600-8000MM X-TRAVEL
- FANUC OR HEIDENHAIN CNC
- 3-5 AXIS CNC SYSTEM

EBM-SERIES BRIDGE TYPE CNC MILLS

WIDE RANGE OF SIZES AND PURPOSES, HIGHLY CUSTOMISABLE

MACHINE RANGE:

- 1250 - 2500MM JOB WIDTH (Y-AXIS)
- 1600 - 8000MM JOB LENGTH (X-AXIS)
- 900-1500MM JOB HEIGHT (Z-AXIS)
- 3 - 5AXIS MILLING CAPACITY, ROTARY TABLES OR 5-AXIS MILLING HEADS

OUR PRODUCT CAN BE BUILD FOR MEDIUM TO ULTRA HEAVY TABLE LOADS

EBM-12

BRIDGE TYPE CNC MILL

- HALF COVER
- 1600MM BETWEEN UPRITES
- BT40/BT50 TAPER
- 12KW SPINDLE MOTOR
- FANUC CONTROL



EBM-20

BRIDGE TYPE CNC MILL

- FULL COVER
- 2000MM BETWEEN UPRITES
- BT50 SPINDLES
- 12-20KW SPINDLE MOTORS
- FANUC OR HEIDENHAIN CNC

STANDARD BRIDGE TYPE CNC MILLS

EBM-SERIES HEAVY DUTY BRIDGE TYPE CNC MILLING MACHINES

MODEL		EBM-12	EBM-17	EBM-20	EBM-25
TABLE WIDTH	MM	1250	1250	1600	2000
X TRAVEL (TABLE LENGTH)	MM	1600-3000	2000-5000	3200-6000	4300-8000
Y TRAVEL	MM	1250	1700	2000	2500
Z TRAVEL	MM	500	1000	1000	1000
LOAD ON TABLE	TON	2-2.4	5+	8+	12+
DISTANCE BETWEEN COLUMNS	MM	1600	1800	2100	2600
SPINDLE TO TABLE	MM	150-650	150-1150	200-1200	200-1200
SPINDLE TAPER	BT	BT50			
SPINDLE MOTOR	KW	12	15/18.5	15/18.5	18.5/22
SPINDLE SPEEDS	RPM	10-4000	30-3200	10-3200	30-3200
WEIGHT	TON	10-16	20-46	25-45	48-98

MACHINES ARE HIGHLY CUSTOMISABLE AND BUILT TO CLIENTS NEEDS. US ASK ABOUT IT!

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MILLING MACHINES



QUICK SPEC:

- BT40/BT50 SPINDLE TAPER
- 3000-12500MM X-TRAVEL
- FANUC OR HEIDENHAIN CNC
- 3-5 AXIS CNC SYSTEM

BRIDGE TYPE MACHINING CENTRE HIGH PERFORMANCE

GMC-SERIES BRIDGE TYPE CNC MILLS

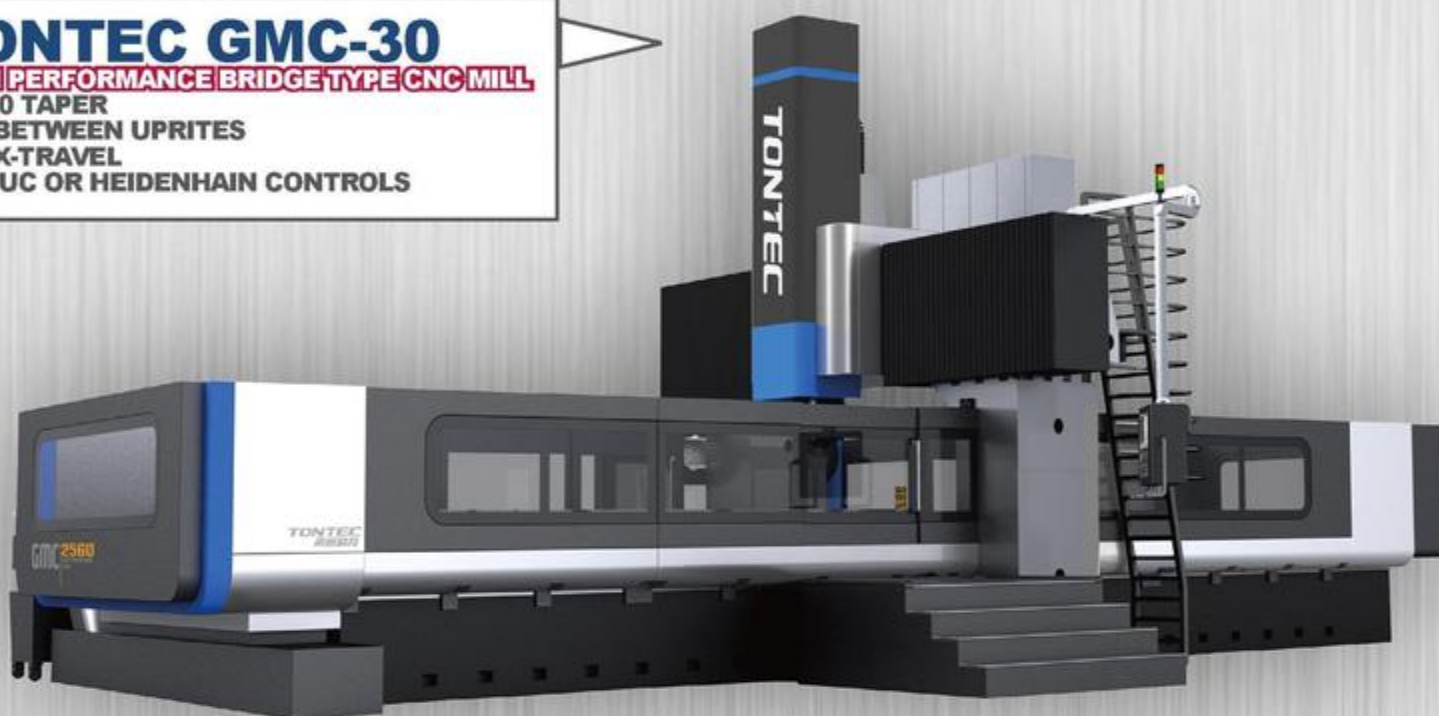
WIDE RANGE OF SIZES AND PURPOSES

- 1250 - 2500MM JOB WIDTH (Y-AXIS)
- 3000 - 12 500MM JOB LENGTH (X-AXIS)
- 900-1500MM JOB HEIGHT (Z-AXIS)
- 3 - 5AXIS MILLING CAPACITY

TONTEC GMC-30

HIGH PERFORMANCE BRIDGE TYPE CNC MILL

- BT50 TAPER
- 3M BETWEEN UPDATES
- 8M X-TRAVEL
- FANUC OR HEIDENHAIN CONTROLS



OPTIONAL:
SPECIAL MILLING HEADS



OPTIONAL:
CNC ROTARY TABLES



TONTECH HIGH PERFORMANCE BRIDGE TYPE CNC MILL

GMC-SERIES HIGH PERFORMANCE BRIDGE TYPE CNC MILLING MACHINES

MODEL			GMC13	GMC16	GMC20	GMC25	GMC30
TABLE SIZE	W	MM	1300	1600	2000	2500	3000
	L	MM	2500-3000	3000-4000	3000-6000	4000-8000	6000-12000
X TRAVEL		MM	3000-4000	3500-4500	3500-6500	4500-8500	6500-12500
Y TRAVEL		MM	1950	2300	2800	3300	3800
Z TRAVEL		MM	800	800	1000 (1250)	1000 (1250)	1000 (1250)
LOAD ON TABLE		KG/M ²	1500	1500	2000	2000	2000
DISTANCE BETWEEN COLUMNS		MM	1700	2100	2600	3100	3500
SPINDLE TO TABLE		MM	150-950	150-950	150-1150	150-1150	150-1150
SPINDLE TAPER		BT	BT50				
SPINDLE MOTOR		KW	8-11	8-15	11-22	11-30	11-30
SPINDLE SPEEDS		R/MIN	DEPENDS ON MACHINE PURPOSE				
WEIGHT		TON	40-50	46-52	60-75	95-125	120-180

MACHINES ARE HIGHLY CUSTOMISABLE AND CAN BE BUILT TO CLIENTS NEEDS.



HORIZONTAL BORERS

CONVENTIONAL OR CNC TYPE

QUICK SPEC:

- MT6 OR ISO50 SPINDLE TAPER
- 110MM SPINDLE
- GEARBOX HEAD
- ROTATING TABLE

HB-SERIES HORIZONTAL BORERS

110MM SPINDLE CONVENTIONAL OR CNC BORERS

- DRO OR FANUC CNC CONTROL
- FACING SLIDE AND W-AXIS QUILL FEED
- TABLE LOCK AND CLAMPING SYSTEM

HB-110

HORIZONTAL BORING MILL

- MT6 / ISO50 SPINDLE TAPER
- 110MM QUILL DIAMETER
- MT6 OR ISO50 SPINDLE TAPER
- OPTIONAL TAILSTOCK SHOWN
- 3TON TABLE LOAD

OPTIONAL:

- HEAVIER TABLE LOADS
- EXTRA TRAVEL



HBC-110

CNC HORIZONTAL BORING MILL

- ISO50 SPINDLES
- 15HP SPINDLE MOTORS
- MANUAL OR CNC ROTATING TABLE

ACCURATE AND VERSATILE
WITH FANUC CNC CONTROL



STANDARD HORIZONTAL BORERS

HB-SERIES HORIZONTAL BORING MILLS						
MODEL		HB-110				HBC-110
		A	B	C	D	A-CNC
TABLE SIZE	MM	1320x1010	1100x960	1320x1010	1250x1100	1320x1010
SPINDLE TAPER		MT6 (ISO50 opt)				BT50
SPINDLE DIA.	MM	110				110
MAX.LOAD OF TABLE	KG	2500			3000	2500
X-AXIS TABLE TRAVEL	MM	850	900	1250	1600	1250
Z-AXIS TABLE TRAVEL	MM	1100	1000	1350	1400	1350
Y-AXIS HEADSTOCK TRAVEL	MM	900			1200	900
QUILL TRAVEL (W)	MM	550		600		550
TAILSTOCK		YES				NO
BORING DIA.	MM	Φ240				Φ240
DRILLING DIA.	MM	50				50
SPINDLE SPEED	RPM	12-950			8-1000	12-1100
SPINDLE MOTOR	KW	7.5				11/15
DIMENSIONS	M	5x2x2.8	5x2.5x2750	5.4x3x3.1	5.2x3.4x3.1	5.4x3x3.1
WEIGHT	TON	11	13	14	18	13
CONTROL/DISPLAY		DIGITAL READ OUT				FANUC CNC CONTROL
QUALITY HORIZONTAL BORING MACHINES. CUSTOM SIZED CNC MODELS AVAILABLE						

QUALITY HORIZONTAL BORING MACHINES, CUSTOM SIZED CNC MODELS AVAILABLE.



QUICK SPEC:

- 130-320MM SPINDLE DIA.
- CUSTOM TRAVELS
- CUSTOM TABLE CONFIG
- LET US BUILT IT FOR YOU

HEAVY DUTY FLOOR BORERS

160 - 320MM SPINDLE DIAMETER

HFB-SERIES FLOOR BORERS

DESIGNED FOR HEAVY LARGE FORMAT ENGINEERING

- 130 - 320MM SPINDLE DIAMETER
- EUROPEAN DESIGNED
- HIGHLY CUSTOMISABLE WITH PARTS FROM ALL OVER THE WORLD



HFB-SERIES

HEAVY DUTY FLOOR BORERS

- 130 - 320MM SPINDLE DIA.
- CUSTOM TRAVELS
- CUSTOM HEAD DESIGN
- CUSTOM BED/TABLE DESIGN

HEAVY DUTY FLOOR BORERS WITH 130-320MM QUILL DIAMETERS, TRAVELS AND TABLE SIZES CAN BE CHOSEN TO SUIT YOUR NEEDS



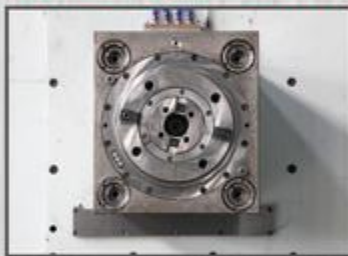
DON'T WANT A STANDARD TYPE OF MACHINE THAN LET US CUSTOM BUILD YOUR MACHINE

- CUSTOM SIZES AVAILABLE
- CUSTOM X-TRAVELS (HORIZONTAL TRAVEL)
- CUSTOM Y-TRAVELS (VERTICAL TRAVEL)
- SPECIAL PURPOSE HEADS FROM ACROSS THE PLANET.

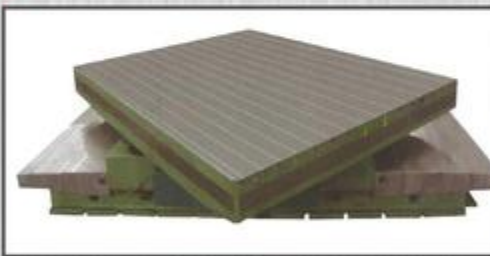


HEAVY DUTY CAST BODY ON ALL BUILDS

OPTIONAL ACCESSORIES:



OPTIONAL: MILLING HEAD MOUNTING FACE



OPTIONAL: MANUAL OR CNC ROTATING TABLE



OPTIONAL: SPECIAL TOOLING SPINDLE CLAMP SYSTEM



OPTIONAL: SPECIAL PURPOSE MILLING HEADS

HFB-SERIES FLOOR BORING MACHINES						
MODEL		HFB-130	HFB-160	HFB-200	HFB-260	HFB-320
SPINDLE DIA.	MM	130	160	200	260	320
SPINDLE TAPER		ISO50	ISO50	ISO60	ISO60	ISO60
X-TRAVEL (LONG)	MM	6000-24 000				
Y-TRAVEL (VERTICAL)	MM	3000	4000	4000	6000	10 000
Z-TRAVEL (RAM)	MM	800	1000	1200	1500	1700
RAM SECTION	MM	440x480	480x520	600x700		800x900
W-AXIS (QUILL)	MM	900	1200	2200		2500
SPINDLE SPEED	RPM	2-1000		0-2000	0-1650	0-1250
SPINDLE MOTOR	KW	51/81		90	120	137

EUROPEAN DESIGNED HEAVY DUTY FLOOR BORERS, BUILT TO WORK.



MILLING AND DRILLING MACHINES

BELT DRIVE AND GEARBOX HEAD

QUICK SPEC:

- R8 SPINDLE TAPER
- 2HP STEP PULLEY HEAD
- 3HP VARIABLE SPEED HEAD
- 1270x254MM TABLE

DM-SERIES MILL + DRILL

- INDUSTRIAL GRADE MILLING AND DRILLING MACHINES
- 30 - 50MM DRILLING CAPACITY
 - ROUND PILLAR AND CAST IRON COLUMN TYPE



DM-30

- BELT DRIVE MILL-DRILL**
- STEP SPEED HEAD
 - 1.5KW SPINDLE MOTOR
 - 220 or 380 VOLT

DM-45

- COLUMN TYPE GEARHEAD MILL-DRILL**
- RIDGED COLUMN
 - MT4 SPINDLE TAPER
 - 0.75KW SPINDLE MOTOR



DM-50H

- COLUMN TYPE GEARHEAD MILL-DRILL**
- ISO40 SPINDLE TAPER
 - 2.4KW SPINDLE MOTOR
 - 360x1220MM TABLE
 - AUTO QUILL FEEDS 0.1-0.3MM/REV



OPTIONAL:



OPTIONAL:
MACHINE STAND FOR
30+45 MODELS



OPTIONAL:
COOLANT SYSTEM
FOR 30+45 MODELS



OPTIONAL:
X-AXIS FEED FOR
30+45 MODELS

STANDARD MILLING + DRILLING

STANDARD MILLING AND DRILLING MACHINES				
MODEL		DM-30	DM-45	DM-50H
TYPE		BELT DRIVE HEAD	GEAR HEAD COLUMN TYPE	
TABLE SIZE	MM	210x730	210x730 (240x820)	
TRAVELS (X,Y,Z)	MM	500x175x315	550x200x410	
DRILL CAPACITY	MM	30	45	50
QUILL TRAVEL	MM	130	120	190
SPINDLE TAPER	MM	MT3	MT4	ISO40
SPINDLE TO COLUMN	MM	202	260	350
SPINDLE TO TABLE	MM	450	475	120-620
SPINDLE SPEEDS	RPM	100-2150	95-1600	94-2256
MOTOR	WATT	1500	750	2400
WEIGHT	KG	285	300	1750

MILL DRILLS FOR EVERY WORKSHOP.



QUICK SPEC:

- 2-3MT SPINDLE TAPER
- 1-2HP STEP PULLEY HEAD
- ROUND AND SQUARE TABLES
- 220 OR 380VOLT

INDUSTRIAL GRADE BELT DRIVE DRILLS 3-PULLEY DESIGN

DB-SERIES BELT DRIVE DRILLS

INDUSTRIAL GRADE BELT DRIVE DRILLS

- 16 - 32MM DRILLING CAPACITY
- 220 + 380VOLT INDUSTRIAL MOTORS AND ELECTRICS
- SPINDLE AND MOTOR PULLEY WITH 3RD FLOATING PULLEY FOR INCREASED DRILLING TORQUE.



OPTIONAL:
COOLANT SYSTEM

DB-16

INDUSTRIAL GRADE 16MM BELT DRIVE DRILL

- MT2 SPINDLE TAPER
- STEP SPEED HEAD
- 1HP SPINDLE MOTOR
- ROUND TABLE
- 220 or 380 VOLT



DB-32

INDUSTRIAL GRADE 32MM BELT DRIVE DRILL

- MT3 SPINDLES
- 2HP SPINDLE MOTORS
- LARGE SQUARE TABLE
- 220 or 380 VOLT

STANDARD BELT DRIVE DRILLS

STANDARD INDUSTRIAL GRADE BELT DRIVE DRILLS			
MODEL		DB-16	DB-32
DRILL CAPACITY	MM	16	32
SPINDLE TAPER		MT2	MT3
SPINDLE SPEEDS (NO OF SPEEDS)	RPM	105-2900 (8)	120-3480 (8)
SPINDLE TO COLUMN	MM	190	375
SPINDLE TO TABLE	MM	750	615
SPINDLE TO BASE	MM	1025	1095
QUILL TRAVEL	MM	120	120
TABLE SIZE	MM	280DIA.	425x475
MOTOR	KW	0.9KW	1.5
WEIGHT	KG	110	200

INDUSTRIAL BELT DRIVE PEDESTAL DRILLING MACHINES.



GEAR HEAD PEDISTAL DRILLS

25 - 35MM DRILLING CAPACITY

QUICK SPEC:

- 25-50MM DRILL CAPACITY
- 3-5MT SPINDLE TAPER
- GEARBOX HEADS
- RELIABLE DRILLING MACHINES

DG-SERIES GEARBOX HEAD DRILLS

DESIGNED FOR EVERYDAY INDUSTRIAL DRILLING APPLICATIONS

- 25 - 50MM DRILLING CAPACITY
- INDUSTRIAL GRADE ELECTRICS
- PRECISION GEARS AND BEARINGS



Student Model Available
Designed For Student training.



DG-25

GEARBOX TYPE DRILL

- MT3 SPINDLE
- GEARBOX HEAD
- 105-2900RPM SPINDLE
- 0.9KW SPINDLE MOTOR



DG-35

FULL FUNCTION GEAR HEAD DRILL

- MT4 SPINDLE
- 1.5KW SPINDLE MOTORS
- RIDGED TAPING
- ELECTRIC CLUTCH
- QUILL FEED
- LIGHT
- CE ELECTRICS
- ROTATING TABLE



DG-50

FULL FUNCTION GEAR HEAD DRILL

- FIXED GEARBOX HEAD
- 3KW MOTOR
- MT4 SPINDLE TAPER
- 54-2090RPM SPINDLE SPEEDS
- RIDGED TAPING
- ELECTRIC CLUTCH
- QUILL FEED
- LIGHT
- CE ELECTRICS
- ROTATING TABLE

STANDARD GEARBOX HEAD DRILLS

PROVEN QUALITY GEAR HEAD DRILLING MACHINES

MODEL		DG-25	DG-35	DG-50
TYPE		PEDISTAL TYPE		
DRILL CAPACITY	MM	25	35	50
SPINDLE TAPER	MT	MT3	MT4	MT4
SPINDLE SPEEDS (NO OF SPEEDS)	RPM	105-2900 (8)	104-1450	54-2090
SPINDLE TO COLUMN	MM	255	350	375
SPINDLE TO TABLE	MM	820	770	800
SPINDLE TO BASE	MM	1235	1320	1300
QUILL TRAVEL	MM	120	180	230
TABLE SIZE	MM	500X350	560X385	600X600
FEEDS	MM/Rev	N/A	0.1, 0.2	0.05-0.3
MOTOR	KW	0.9KW	1.5	3
DIMENSIONS (LxWxH)	MM	1670x570x720	730x560x2220	610x1016x2454
WEIGHT	KG	200	565	830

PROVEN QUALITY GEARBOX TYPE PEDESTAL DRILLING MACHINES.



QUICK SPEC:

- 50 - 80MM DRILL CAPACITY
- 5-6MT SPINDLE TAPER
- HEAVY DUTY GEARBOX HEAD
- BIG DRILL FOR BIG JOBS

HEAVY DUTY GEAR HEAD COLUMN DRILLS

50-80MM DRILLING CAPACITY

DC-SERIES HEAVY DUTY GEAR HEAD DRILLS

DESIGNED FOR HEAVY DRILLING APPLICATIONS

- 50-80MM DRILLING CAPACITY
- EXTRA RIDGED BOX COLUMN DESIGN
- DESIGNED FOR HEAVY AND HARD DRILLING JOBS

**DC-50****HEAVY DUTY COLUMN TYPE DRILL**

- TRAVELING HEAD + TABLE
- RIDGED BOX COLUMN
- MT5 SPINDLE TAPER
- 3KW MOTOR

**DC-80****HEAVY DUTY COLUMN TYPE DRILL**

- TRAVELING HEAD + TABLE
- RIDGED BOX COLUMN
- MT5 SPINDLE TAPER
- 3KW MOTOR

STANDARD COLUMN TYPE DRILLS

HEAVY DUTY COLUMN TYPE GEAR HEAD DRILLING MACHINES				
MODEL		DC-50	DC-63	DC-80
TYPE		COLUMN TYPE		
DRILL CAPACITY	MM	50	63	80
SPINDLE TAPER	MT	MT5	MT5	MT6
SPINDLE SPEEDS	RPM	31-1400	40-570 (9)	
HEAD TRAVEL	MM	200	260	260
SPINDLE TO COLUMN	MM	350	375	
SPINDLE TO TABLE	MM	750	870	810
QUILL TRAVEL	MM	250		
TABLE SIZE	MM	560X480	660X555	
SPINDLE FEEDS	MM/Rev	0.056-1.8 (9)	0.1-0.78 (6)	
MOTOR	KW	4	5.5	
DIMENSIONS (LxWxH)	MM	750x1150x2530	900x1300x2850	
WEIGHT	KG	1250	2500	
HEAVY DUTY COLUMN DRILLING MACHINES, 50-80MM DRILLING CAPACITY				



RADIAL DRILLS

32 - 50MM DRILL CAPACITY

1000 - 1600MM ARM

QUICK SPEC:

- MT4-5 SPINDLE TAPER
- GEARBOX OR INVERTER HEAD
- 2.2 - 4KW MOTOR
- BOX TABLE



RT-SERIES T-TYPE RADIAL DRILL

- DESIGNED FOR FAST DRILLING OF IRREGULAR SHAPED WORK
- 40MM DRILLING CAPACITY
 - VARIABLE DRILLING SPEED
 - 3X DIFFERENT WORK MOUNTINGS

RT40/16

- T-TYPE RADIAL DRILL**
- 40MM DRILL CAPACITY
 - 600MM ARM
 - 3x DRILLING TABLES
 - HORIZONTAL
 - VERTICAL
 - TILTING TABLE

RD-SERIES RADIAL DRILL

- DESIGNED FOR EVERYDAY DRILLING APPLICATIONS
- 32 - 50MM DRILLING CAPACITY
 - 1000 - 1600MM ARM LENGTH

RD50/16

- HEAVY DUTY RADIAL DRILL**
- 50MM DRILL CAPACITY
 - 1600MM ARM
 - GEARBOX HEAD
 - 4KW MOTOR
 - MT5 SPINDLE TAPER
 - BOX TABLE



STANDARD HEAVY DUTY RADIAL DRILLS

STANDARD INDUSTRIAL GRADE RADIAL DRILLS					
DRILL TYPE		T-DRILL	RADIAL ARM DRILL		
MODEL		RT40/5	RD32/10	RD40/13	RD50/16
TABLE SIZE	MM	505x1200	400x500	450x600	500x630
QUILL TRAVEL	MM	240	280	280	315
DRILLING CAPACITY	MM	40	32	40	50
SPINDLE TO COLUMN	MM	50-640	300-1000	300-1300	350-1600
SPINDLE TO BASE	MM	MAX 790	250-1000	300-1120	320-1220
SPINDLE TAPER	MT	MT4	MT4	MT4	MT5
SPINDLE SPEEDS	RPM	50-2000 (ELECTRICALLY VARIABLE)	32-2500	32-2500	25-2000
NO.SPINDLE SPEEDS	STEP	2	16	16	16
SPINDLE FEEDS	MM/REV	0.8-0.50	0.10-1.25	0.10-1.25	0.04-3.20
NO.SPINDLE FEEDS	STEP	6	8	8	16
HEAD TRAVEL	MM	590	700	1000	1250
SPINDLE MOTOR	KW	2.2	2.2	3	4
WEIGHT	KG	2800	1600	2500	3500
DIMENSIONS(LxWxH)	MM	1910x1200x2300	1760x800x2300	2100x900x2490	2500x1070x2600

INDUSTRIAL RADIAL DRILLS.



QUICK SPEC:

- MT6 SPINDLE TAPER
- 63 / 100MM DRILL CAPACITY
- GEARBOX OR INVERTER HEAD
- 5.5 - 15KW MOTOR
- BOX TABLE

HEAVY DUTY RADIAL DRILLS

62 - 100MM DRILL CAPACITY
1600 - 4000MM ARM

RDH-HEAVY DUTY RADIAL DRILLING MACHINES

DESIGNED FOR EVERYDAY DRILLING APPLICATIONS

- 62 - 100MM DRILLING CAPACITY
- 1600 - 4000MM ARM LENGTH



RDH80/25

HEAVY DUTY RADIAL DRILL

- 80MM DRILL CAPACITY
- 2500MM ARM
- INVERTER TYPE SPINDLE SPEEDS
- MT6 SPINDLE TAPER
- 7.5 KW MOTOR

RDH80/25

HEAVY DUTY RADIAL DRILL

- 80MM DRILL CAPACITY
- 2500MM ARM
- GEARBOX TYPE SPINDLE SPEEDS
- MT6 SPINDLE TAPER
- 7.5 KW MOTOR



STANDARD HEAVY DUTY RADIAL DRILLS

HEAVY INDUSTRIAL GRADE RADIAL DRILLS

DRILL TYPE		HEAVY DUTY RADIAL DRILLS			
MODEL		RDH62/16	RDH63/20	RDH80/25	RDH100/31 RDH100/40
TABLE SIZE	MM	500x630	800x630x500	1000x800x560	800x630x500
SPINDLE TRAVEL	MM	315	400	450	500
DRILLING CAPACITY	MM	62	63	80	100
SPINDLE TO COLUMN	MM	350-1600	450-2000	500-2500	560-3150 / 560-4000
SPINDLE TO BASE	MM	350-1250	400-1600	550-2000	400-1600
SPINDLE TAPER	MT	MT5	MT5	MT6	MT6
SPINDLE SPEEDS	RPM	25-2000 (ELECTRICALLY VARIABLE)	20-1600	16-1250	8-1000
NO.SPINDLE SPEEDS	STEP	2	16	16	22
SPINDLE FEEDS	MM/REV	0.04-3.20	0.04-3.20	0.04-3.20	0.06-3.20
NO.SPINDLE FEEDS	STEP	16	16	16	16
HEAD TRAVEL	MM	1250	1600	2000	2590 / 3400
SPINDLE MOTOR	KW	4	5.5	7.5	15
WEIGHT	KG	3500	7000	11 000	21 000
DIMENSIONS(LxWxH)	MM	2500x1070x2600	3080x1250x3400	3730x1400x4025	3080x1250x3400

HEAVY DUTY RADIAL DRILLS.



PRECISION TOOLROOM TYPE LATHES

330 - 460MM SWING

QUICK SPEC:

- 330-460MM SWING
- 1000MM BETWEEN CENTRES
- 35-58MM SPINDLE BORE
- ALL STEEL GEARS
- NORTON TYPE FEED BOX



Student Model Available
Designed For Student Training.



T330x1000

- 330MM SWING
- 1000MM B/C
- 198MM DIA. OVER SADDLE
- 35MM SPINDLE BORE
- 1.5KW MOTOR
- FOOT BRAKE
- 220 OR 380VOLT**



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM

T410x1000

- 410MM SWING
- 1000MM B/C
- 250MM DIA. OVER SADDLE
- 52MM SPINDLE BORE
- 3.75KW MOTOR
- MEDIUM DUTY MODEL**
- 1PCS SOLID BASE**



T460x1000

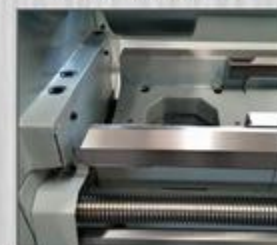
- 460MM SWING
- 1000MM B/C
- 270MM DIA. OVER SADDLE
- 58MM SPINDLE BORE
- 5.5KW MOTOR
- HEAVY DUTY MODEL**
- 3X SPINDLE BEARINGS**
- 1PCS SOLID BASE**



HARDENED AND
GROUND BEDS



MECHANICAL FEED STOP
SYSTEM ON T460



REMOVABLE GAP
WITH DOWEL PINS



THREADED SPINDLE END

STANDARD HIGH PRECISION LATHES

PRECISION TOOL ROOM LATHES WITH 1000MM BETWEEN CENTRES				
MODELS		T330x1000	T410x1000	T460x1000
SWING OVER BED	MM	330	410	460
SWING OVER SADDLE	MM	198	255	270
SWING IN GAP	MM	476	580	690
LENGTH OF GAP	MM	150	250	165
DISTANCE BETWEEN CENTERS	MM	1000	1000	1000 (OPTION: 1500+2000)
WIDTH OF BED	MM	187	250	300
SPINDLE BORE / FITTING	MM	35 / D1-4	52 / D1-6	58 / D1-6
SPINDLE SPEEDS	RPM	70-2000	45-1800	25-2000
TOP / CROSS SLIDE TRAVEL	MM	68 / 160	102 / 210	128 / 285
METRIC THREADS	MM	0.4-7mm	39KINDS 0.2-14MM	41KINDS, 0.1-14MM
INCH THREADS	TPI	4-56T.P.I	45KINDS 2-72T.P.I	60KINDS, 2-112T.P.I
DIAMETRICAL PITCHES	DP	8-120DP	21KINDS 44D.P.	50KINDS, 4-112D.P.
MODULE PITCHES	MP	0.2-3.5mm	18KINDS 0.3-3.5M.P.	34KINDS, 0.1-7M.P.
TAILSTOCK TRAVEL	MM	95	120	128
TAILSTOCK TAPER	MT	3	4	4
MAIN MOTOR	KW	1.5 (220V + 380V)	3.3	5.5
DIMENSION (L×W×H)	MM	1800×700×1200	1940×850×1300	2200×1080×1340
WEIGHT	KG	500	1600	1790

PROVEN QUALITY PRECISION TOOL ROOM LATHES...



QUICK SPEC:

- 510 + 560MM SWING
- 1500 - 3000MM BETWEEN CENTRE
- 80MM SPINDLE BORE
- ALL STEEL GEARS
- NORTON TYPE FEED BOX

PRECISION TOOLROOM TYPE LATHES

510 - 560MM SWING

T-SERIES PRECISION SOLID BASE LATHES

LATHES DESIGNED FOR HIGH PRECISION TURNING
HERE ARE SOME SPEC ON MACHINE RANGE:

- 330 - 560MM SWING OVER BED
- 1 - 3M TURNING LENGTH



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM

T510x1500

- 510MM SWING
- 1500MM B/C
- 300MM DIA. OVER SADDLE
- 80MM SPINDLE BORE
- 7.5KW MOTOR
- 3xSPINDLE BEARINGS
- 1PCS SOLID BASE
- OVERSIZED 3-JAW CHUCK



T560x2000

- 2000MM B/C
- 350MM DIA. OVER SADDLE
- 80MM SPINDLE BORE
- 7.5KW MOTOR
- 3xSPINDLE BEARINGS
- 1PCS SOLID BASE
- OVERSIZED 3-JAW CHUCK

STANDARD HIGH PRECISION LATHES

PRECISION SOLID BASE TOOL ROOM LATHES

MODELS		T510x1500	T560x2000
SWING OVER BED	MM	510	560
SWING OVER SADDLE	MM	300	350
SWING IN GAP	MM	738	788
LENGTH OF GAP	MM	200	200
DISTANCE BETWEEN CENTERS	MM	1500 (OPTION:2000+3000)	2000 (OPTION:1500+3000)
WIDTH OF BED	MM	350	350
SPINDLE BORE / FITTING	MM	80 / D1-8	80 / D1-8
SPINDLE SPEEDS	RPM	25-1600	25-1600
TOP/CROSS SLIDE TRAVEL	MM	130 / 326	130 / 326
METRIC THREADS	MM	47KINDS 0.2-14MM	47KINDS 0.2-14MM
INCH THREADS	TPI	60KINDS, 2-112T.P.I	60KINDS 2-112T.P.I
DIAMETRICAL PITCHES	DP	50KINDS 4-112D.P.	50KINDS 4-112D.P.
MODULE PITCHES	MP	39KINDS 0.1-7M.P.	39KINDS 0.1-7M.P.
TAILSTOCK TRAVEL	MM	180	180
TAILSTOCK TAPER		MT5	MT5
MAIN MOTOR	KW	7.5	7.5
DIMENSION (L×W×H)	MM	2900x1120x1430	3400x1120x1430
WEIGHT	KG	2335	2720



REMOVABLE GAP
WITH DOWEL PINS



THREADED SPINDLE END



MECHANICAL FEED
STOP SYSTEM

PROVEN QUALITY PRECISION TOOL ROOM LATHES.



PRECISION SOLID BASE CLUTCHED LATHE

660 - 800MM SWING

QUICK SPEC:

- 660 - 800MM SWING
- 1500 - 3000MM BETWEEN CENTRE
- 105MM SPINDLE BORE
- ALL STEEL GEARS
- 1PCS - SOLID BASE

TB-SERIES PRECISION SOLID BASE LATHES

- ONE PIECE SOLID CAST BASE LATHE WITH CLUTCH DRIVE SPINDLE
- SOLID BASE FOR HEAVIER HIGH PRECISION WORK
 - AUTO MAGNETIC BRAKE
 - MOTORISED RAPID FEED



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM



TB-660x3000

SOLID BASE PRECISION LATHE WITH CLUTCH

- 660MM SWING
- 3000MM B/C
- 300MM DIA. OVER SADDLE
- 105MM SPINDLE BORE
- 7.5KW MOTOR
- 3xSPINDLE BEARINGS
- 1PCS SOLID BASE
- CLUTCH/AND MAGNETIC BRAKE
- MOTORISED RAPID FEED

SOLID BASE DESIGN



PRECISION CLUTCHED LATHES WITH AUTO
MAGNETIC BRAKE FOR USE ON HIGH ACCURACY
MEDIUM/HEAVY WORK.

STANDARD PRECISION SOLID BASE LATHES

PRECISION TOOL ROOM LATHES				
MODEL		TB-660	TB-800A	TB-800B
SWING OVER BED	MM	660	800	
SWING OVER SADDLE	MM	440	570	560
SWING IN GAP	MM	900	1035	1040
LENGTH OF GAP	MM	250		
DISTANCE BETWEEN CENTERS	MM	1500/2000/3000		
WIDTH OF BED	MM	400		510
SPINDLE BORE / FITTING	MM	105MM / D1-8		
SPINDLE SPEEDS	RPM	25-1600		17-1100
TOP / CROSS SLIDE TRAVEL	MM	68 / 160	102 / 210	128 / 285
METRIC THREADS	MM	0.4-120MM (54KINDS)		
INCH THREADS	TPI	7/16-80TPI (54KINDS)		
DIAMETRICAL PITCHES	DP	7/8-160DP (42KINDS)		
MODULE PITCHES	MP	0.25060MP (46KINDS)		
TAILSTOCK TRAVEL	MM	235		
TAILSTOCK TAPER	MT	MT5		
MAIN MOTOR	KW	7.5		11
TURNING LENGTH / WEIGHT	KG	1500MM / 3060KG	1500MM / 3250KG	1500MM / 3400KG
		2000MM / 3400KG	2000MM / 3550KG	2000MM / 3650KG
		3000MM / 3800KG	3000MM / 3900KG	3000MM / 4000KG



HARDENED AND
GROUND BEDS



105MM SPINDLE END



ELECTRIC RAPID FEED

PROVEN QUALITY PRECISION SOLID BASE LATHE.



QUICK SPEC:

- 500 - 760MM SWING
- 1.5 - 5M BETWEEN CENTRES
- 80 + 105MM SPINDLE BORE

TY-SERIES HEAVY DUTY CLUTCH LATHES

500 - 760MM SWING

TY-SERIES HEAVY DUTY LATHES

PROVEN QUALITY RELIABLE LATHES

- CLUTCH DRIVE SPINDLE
- MOTORISED RAPID FEED
- MECHANICAL BRAKE

FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM**TY-500x2000****CLUTCH DRIVE LATHES**

- 500MM SWING
- 2 000MM BC
- 82MM SPINDLE BORE
- 300MM DIA. OVER SADDLE
- 7.5KW MOTOR

**TY-660x3000****CLUTCH DRIVE LATHES**

- 660MM SWING
- 3 000MM BC
- 105MM SPINDLE BORE
- 430MM DIA. OVER SADDLE
- 11KW MOTOR

PROVEN HEAVY DUTY CLUTCH DRIVE TYPE LATHES
BUILT THE STANDARD WAY BY YUNNAN**YUNNAN HEAVY DUTY CLUTCHED LATHES****TY-SERIES CLUTCH DRIVE LATHES**

MODEL		TY-500	TY-660	TY-660G	TY-760G
SWING OVER BED	MM	500	660	660	760
SWING OVER SADDLE	MM	300	430	430	530
SWING IN GAP	MM	710	870	870	970
SPINDLE BORE	MM	82		105	
BETWEEN CENTRES	MM	1000,1500,2000,3000,4000,5000			
WIDTH OF BED	MM	390	390	390	
SPINDLE SPEEDS	RPM	9-1600	9-1600	9-1120	
TAILSTOCK TAPER	MT	MT5			
TAILSTOCK TRAVEL	MM	150			
METRIC THREAD (NO)	MM	0.5-49 (48)		1-224 (46)	
INCH THREAD (NO)	TPI	72-1/8TPI (46)		28-1/8TPI (42)	
MODULAR THREAD (NO)	MD	0.5-112MM (42)			
DIAMETERIAL THREAD (NO)	DP	56-1/4DP			
CROSS SLIDE TRAVEL	MM	340	360		
TOP SLIDE TRAVEL	MM	150	200		
MOTOR	KW	7.5	11		
WEIGHT 3M + 500KG/M	KG	3300	3500	3500	3700

BEST QUALITY YUNNAN LATHES, BUILT OUR WAY.



HEAVY DUTY CLUTCH LATHES

800 - 1000MM SWING

QUICK SPEC:

- 800 - 1000MM SWING
- 1.5 - 6M BETWEEN CENTRES
- 105 + 130MM SPINDLE BORE

DALIAN CW-SERIES HEAVY DUTY LATHES

LATHES DESIGNED FOR LARGE WORK UP TO 3TON

HERE ARE SOME SPEC ON MACHINE RANGE:

- 800 - 1000MM SWING OVER BED
- 1.5 - 5M TURNING LENGTH
- 3TON TURNING CAPACITY



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM



QUALITY CLUTCHED LATHES FOR USE ON
HEAVY JOBS THAT WEIGH UP TO 3TONS

CW6280x3000

HEAVY DUTY CLUTCH DRIVE LATHES

- 800MM SWING
- 3 000MM BC
- 130MM SPINDLE BORE
- 520MM DIA. OVER SADDLE
- 11KW MOTOR

DALIAN HEAVY DUTY LATHES

HEAVY DUTY CONVENTIONAL LATHES FOR WORK UP TO 3TON

MODEL		CW6280	CW62100
SWING OVER BED	MM	800	1000
SWING OVER SADDLE	MM	520	720
SWING IN GAP	MM	1000	1230
SPINDLE BORE	MM	105/130	
BETWEEN CENTRES	M	1.5, 2, 3, 4, 5, 6	
WIDTH OF BED	MM	550	
SPINDLE SPEEDS	RPM	7.5-1000 (18)	
TAILSTOCK TAPER	MT	MT6	
TAILSTOCK TRAVEL	MM	150	
METRIC THREAD (NO)	MM	1-240 (39)	
INCH THREAD (NO)	TPI	14-1TPI (26)	
MODULAR THREAD (NO)	MD	0.5-120MM (53)	
DIAMETERIAL THREAD (NO)	DP	28-1DP (24)	
CROSS SLIDE TRAVEL	MM	493	
TOP SLIDE TRAVEL	MM	200	
MOTOR	KW	11	
WEIGHT 3M + 1100KG/M	KG	4900	5150

RELIABLE HEAVY DUTY CLUTCH DRIVE LATHES



QUICK SPEC:

- 1100 + 1600MM SWING
- 1.5 - 12M BETWEEN CENTRE
- 105 - 130MM SPINDLE BORE
- ALL STEEL GEARS
- NORTON TYPE FEED BOX

HEAVY DUTY LATHE

1100 - 1600MM SWING
3 - 6 TON HOLDING CAPACITY

TC-SERIES HEAVY DUTY SOLID BASE LATHES

LATHES DESIGNED FOR HEAVY AND LONG WORK 3-6TON

HERE ARE SOME SPEC ON MACHINE RANGE:

- 1100 - 1600MM SWING OVER BED
- 1.5 - 12M TURNING LENGTH
- 4 - 6TON TURNING CAPACITY



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM



TC1400x4000

HEAVY DUTY CLUTCH DRIVE LATHES

- 1400MM SWING
- 4000MM B/C
- 300MM DIA. OVER SADDLE
- 130MM SPINDLE BORE
- 11 - 22KW MOTOR
- 1PCS SOLID BASE

QUALITY CLUTCHED LATHES FOR USE ON HEAVY
JOBS THAT WEIGH UP TO 6TONS

STANDARD HEAVY DUTY LATHES

TC-SERIES HEAVY DUTY CONVENTIONAL LATHES FOR WORK UP TO 6TON					
MODEL		TC1100	TC1250	TC1400	TC1600
SWING OVER BED	MM	Ø1000 MM	Ø1250 MM	Ø1400 MM	Ø1600
SWING OVER SADDLE	MM	Ø600 MM	Ø 865 MM	Ø1015 MM	Ø1260
SWING IN GAP	MM	Ø1380 MM	Ø 1750 MM	Ø 1900 MM	Ø2110
WIDTH OF BED	MM	755		755/970	970
LENGTH OF GAP	MM	590			
DISTANCE BETWEEN CENTRES	M	1.5/2/3/4/5/6/8/10/12			
TURNING CAPACITY	TON	5		5/6	
SPINDLE BORE	MM	Ø 130			
SPINDLE SPEEDS	FORWARD	2.5-250R/MIN			
	REVERSE	3.15-250R/MIN			
METRIC THREADS (RANGE/NO.)	MM	1-120mm/45			
WHIT-WORTH THREADS (RANGE/NO.)	TPI	30-1/4 TPI/42			
MODULE THREADS (RANGE/NO.)	MD	0.5-60MM/46			
D.P. THREADS (RANGE/NO.)	DP	1/2-60 DP/48			
TAILSTOCK TAPER	MT	MT6		MT6 / 80METRIC	
MAIN MOTOR	KW	22		22	
DIMENSIONS 3M (L×W×H)	MM	6000x1860x1700	6000x1860x1825	6000x1860x1900	6100x2130x2300
WEIGHT(3M) + 1100KG/M	KG	11200	12000	14100	15100

PRECISION HEAVY DUTY LATHES...

30

HEAVY DUTY LATHES



TD-SERIES BIG BORE AND SWING LATHES

1250 - 2500MM SWING
105 - 635MM SPINDLE BORE
8 - 40TON HOLDING CAPACITY

QUICK SPEC:

- 1250 + 2500MM SWING
- 1.5 - 16M BETWEEN CENTRE
- 105 - 635MM SPINDLE BORE
- 8 - 40TON TURNING CAPACITY
HEAVY - EXTRA HEAVY WORK

TD-SERIES BIG SWING, LENGTH AND BORE LATHES

LATHES DESIGNED HEAVY CONVENTIONAL OR OIL-COUNTRY WORK

HERE ARE SOME SPEC ON MACHINE RANGE:

- 1250 - 2500MM SWING OVER BED
- 1.5 - 16M TURNING LENGTH
- 8 - 40TON TURNING CAPACITY

BIG SWING AND BIG BORE / OIL-COUNTRY LATHES

- SPINDLE BORE FROM 105-635MM DIAMETER
- DOUBLE CHUCK FOR PIPE WORK
- GREAT FOR PIPE AND FLANGE WORK - TRUE OIL COUNTRY JOBS.



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM



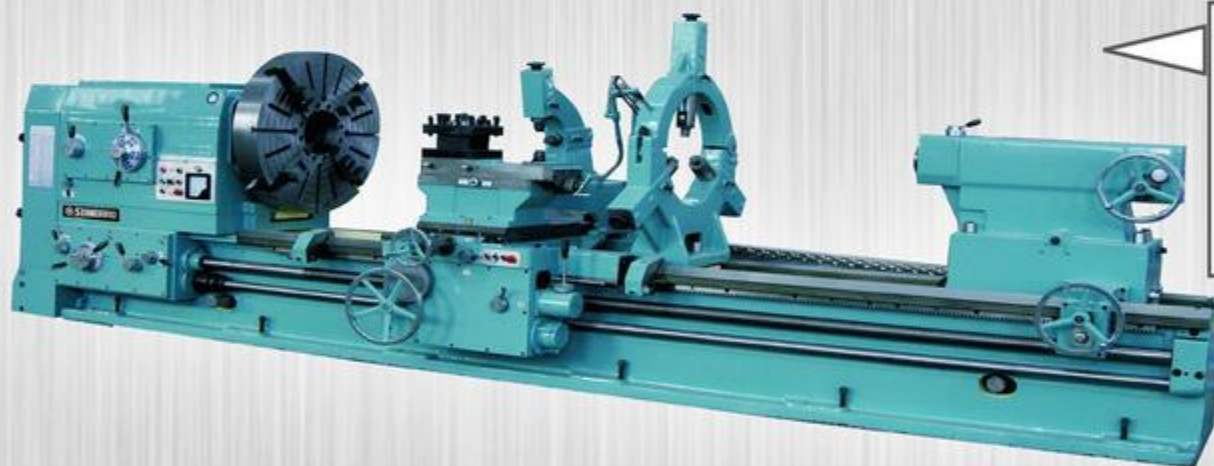
TD1400x6000

BIG SWING OIL COUNTRY LATHES

- 1400MM SWING
- 6000MM B/CENTRES
- 1080MM DIA. OVER SADDLE
- 330MM SPINDLE BORE
- 37KW MOTOR
- 1PCS SOLID BASE

BIG SWING AND EXTRA LENGTH LATHES

- 1250 - 2500MM SWING WITH UP TO 16M BETWEEN CENTRES
- GREAT FOR BIG DIAMETER EXTRA LENGTH WORK.



TD1800x8000

BIG SWING, EXTRA LENGTH LATHES

- 1800MM SWING
- 8000MM B/CENTRES
- 1480MM DIA. OVER SADDLE
- 130MM SPINDLE BORE
- 49KW MOTOR
- 1PCS SOLID BASE

STANDARD EXTRA HEAVY DUTY LATHES

TD-SERIES BIG SWING, EXTRA LENGTH AND OIL COUNTRY LATHES

TD-SERIES BIG SWING, EXTRA LENGTH AND OIL COUNTRY LATHES								
MODEL		TD1250	TD1400	TD1600	TD1800	TD2000	TD2200	TD2500
SWING OVER BED	MM	1250	1400	1600	1800	2000	2200	2500
SWING OVER CARRIAGE	MM	880	1080	1280	1480	1600	1800	2030
MAX.TURNING LENGTH	MM	1500~16 000						
MAX. LOAD BETWEEN CENTERS	TON	8,10,18,25,32,40						
BED WIDTH	MM	970,1100,1600						
SPINDLE SPEED	RPM	2~200 / 2.5~250 / 3.15~315				0.8~160 /0.5~250	0.8~160 / 2~200	
SPINDLE MOTOR	KW	22,37,49,75,90 (AC OR DC)						



QUICK SPEC:

- 1400 - 6300MM SWING
- 5 - 20M+ BETWEEN CENTRE
- 100 - 500MM SPINDLE BORE
- 40 - 200TON TURNING CAPACITY
- ULTRA HEAVY WORK

TE-SERIES ULTRA HEAVY DUTY LATHES

1400 - 6300MM SWING
40 - 200TON HOLDING CAPACITY

TE-SERIES PARALLEL BED CONVENTIONAL LATHES

LATHES DESIGNED FOR VERY LARGE WORK AND CAN BE HEAVILY CUSTOMISED.

HERE ARE SOME SPEC ON MACHINE RANGE:

- 2000 - 6300MM SWING OVER BED
- 5 - 20M+ TURNING LENGTH
- 50 - 200TON TURNING CAPACITY



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM



TE4000x20000

- 4000MM SWING
- 20 000MM BETWEEN CENTRES
- 150TON TURNING CAPACITY



TE6300x16000

- 6300MM SWING
- 16 000MM BETWEEN CENTRES
- 200TON TURNING CAPACITY

TE3500x8000

BIG SWING OIL-COUNTRY LATHES

- 3500MM SWING
- 8000MM BETWEEN CENTRES
- 2800MM DIA. OVER SADDLE
- 100TON TURNING CAPACITY
- 125KW MOTOR
- TWIN/PARALLEL BED DESIGN

PLEASE NOTE THAT WE BUILD CUSTOM DESIGNED MACHINES ON ORDER:

- CUSTOMISED MACHINERY DESIGNED TO YOUR EXACT NEEDS.
- CUSTOM SWING, SPINDLE BORE, LENGTH AND CARRYING CAPACITY
- SPECIAL PURPOSE BORING, DRILLING, MILLING, GRINDING HEADS CAN BE ADDED.
- HIGH AND EXTRA HIGH PRECISION SYSTEMS NO-PROBLEM!

STANDARD ULTRA HEAVY DUTY LATHES

TE-SERIES ULTRA HEAVY DUTY BIG SWING AND EXTRA LENGTH LATHES									
MODEL		TE1400	TE1600	TE2000	TE2500	TE3500	TE4000	TE5000	TE6300
SWING OVER BED	MM	1400	1600	2000	2500	3500	4000	5000	6300
SWING OVER CARRIAGE	MM	1100	1250	1600	2000	2800	3000	4000	5000
MAX.TURNING LENGTH	MM	5000~20 000 - CUSTOM							
MAX. LOAD BETWEEN CENTERS	TON	40/63/80/100/120/150/160/200							
BED WIDTH	MM	1600/2050 - CUSTOM							
SPINDLE SPEED	RPM	0.8~160 / 0.63~125 (32-80TON MODELS)							
		0.5~100/0.4~80/0.2~40 (80-200TON MODELS)							
SPINDLE MOTOR	KW	75,90,110,125,143,160,185 - CUSTOM							
CUSTOM DESIGNED LATHES FOR ALL WORK TYPES.									



DALIAN CKE-SERIES FLAT BED CNC LATHES

360 - 1000MM SWING

QUICK SPEC:

- 360 - 1000MM SWING
- 1-4M BETWEEN CENTRES
- EUROPEAN INFLUENCED DESIGN
- FANUC CNC CONTROL

CKE-SERIES FLAT BED CNC LATHES

LATHES DESIGNED FOR MEDIUM DUTY CNC TURNING

HERE ARE SOME SPEC ON MACHINE RANGE:

- 360 - 1250MM SWING OVER BED
- 750 - 4000MM TURNING LENGTH
- 62 - 100MM SPINDLE BORE



Student Model Available
Designed For Student Training.



CKE6150x1500Z

FLAT BED CNC LATHES

- 500MM SWING OVER BED
- 1420MM TURNING LENGTH
- 7.5KW SPINDLE MOTOR
- 100-2500RPM SPINDLE
- 80MM SPINDLE BORE



HYDRAULIC CHUCK



MANUAL TAILSTOCK
OPTIONAL HYDRAULIC
TAILSTOCK



ELECTRIC 4 OR 6 STATION
TOOL TURRET

DALIAN FLAT BED CNC LATHES

DALIAN CKE-SERIES FLAT BED CNC LATHES							
MODEL	CKE-	360	400	500	660	800	1000
SWING OVER BED	MM	360	400	500	660	800	1000
SWING OVER SADDLE	MM	220	220	280	430	490	700
SPINDLE BORE	MM	62	62	82 (105OPT)		100	
BETWEEN CENTRES	MM	750/1000		750/1000/1500/2000		1000/1500/2000/3000/4000	
TURNING LENGTHS	MM	620/870		680/930/1430/1930		785/1235/1835/2735	
WIDTH OF BED	MM	300	300	400		550	
NO OF HEADSTOCK GEARS	MM	2		3		4	
SPINDLE SPEEDS	RPM	20-650 / 75-2500		7-135 / 30-550 / 110-2200		40-178 / 71-310 / 124-556 / 222-1000	
TAILSTOCK TAPER	MT	4		5		6	
MOTOR	KW	5.5		7.5		11	

FLAT BED CNC LATHES WITH EUROPEAN INFLUENCE .



QUICK SPEC:

- 360 - 1600MM SWING
- 1 - 5M BETWEEN CENTRES
- FANUC, GSK OR SIEMENS CONTROLS

ETB-SERIES FLAT BED CNC LATHES

360 - 1600MM SWING
1-5M BETWEEN CENTRES



ETA-510/1500

FLAT BED CNC LATHE

- 510MM SWING
- 290MM TURNING DIAMETER
- 1420MM TURNING LENGTH
- 7.5/11KW SPINDLE MOTOR
- 35-2500RPM SPINDLE
- 82MM SPINDLE BORE



ETA-SERIES FLAT BED CNC LATHES

LATHES DESIGNED FOR MEDIUM DUTY CNC TURNING
HERE ARE SOME SPEC ON MACHINE RANGE:

- 360 - 510MM SWING OVER BED
- 750 - 4000MM TURNING LENGTH
- 62 - 82MM SPINDLE BORE



ETB-800/1500

HEAVY DUTY FLAT BED CNC LATHE

- 800MM SWING
 - 520MM TURNING DIAMETER
 - 1350MM TURNING LENGTH
 - 15KW SPINDLE MOTOR
 - 22-1200RPM SPINDLE
 - 104/130MM SPINDLE BORE
- SHOWN WITH FULL SPLASH COVER



ETB-SERIES FLAT BED CNC LATHES

LATHES DESIGNED FOR HEAVY DUTY CNC TURNING
HERE ARE SOME SPEC ON MACHINE RANGE:

- 630 - 1600MM SWING OVER BED
- 1500 - 5000MM TURNING LENGTH
- 105 - 130MM SPINDLE BORE

STANDARD FLAT BED CNC LATHES

STANDARD ETA AND ETB-SERIES FLAT BED CNC LATHES								
SERIES		ETA-SERIES		ETB-SERIES				
MODEL		360	510	630	800	1000	1250	1600
SWING OVER BED	MM	360	510	630	800	1000	1250	1600
SWING OVER SADDLE	MM	220	290	350	520	630	880	1250
SPINDLE BORE	MM	62	82	105/130		130		
BETWEEN CENTRES	MM	750,1000	1000,1500,2000	1500,3000,4000		1500,3000,5000		
TURNING LENGTHS	MM	620,920	920,1420,1920	1350,2850,3850		1230,2730,4730		
WIDTH OF BED	MM	300	390	600		755		
SPINDLE SPEEDS	RPM	35-2500		22-1200		3.15-315		
TAILSTOCK TAPER	MT	4	5	5		6		
MOTOR	KW	5.5	7.5	11	15	22		

QUALITY FLAT BED CNC LATHES.



EXTRA HEAVY AND OIL-COUNTRY CNC LATHES

650-2500MM SWING, 105-700MM SPINDLE BORE

QUICK SPEC:

- 105 - 700MM SPINDLE BORE
- 650 - 2500MM SWING
- UP TO 40 TON TURN CAPACITY

ETC-SERIES HEAVY DUTY CNC LATHE

LATHES DESIGNED FOR HEAVY AND EXTRA LONG CNC TURNING WORK.

HERE ARE SOME SPEC ON MACHINE RANGE:

- 1250 - 2500MM SWING OVER BED
- 4 - 16M TURNING LENGTH
- 6 - 40TON TURNING CAPACITY
- CAN BE CUSTOMISED FOR MOST HEAVY TURNING WORK UP TO 40TONS

ETC-1500/6000

HEAVY DUTY FLAT BED CNC LATHES

- 1500MM SWING
- 1100MM TURNING DIAMETER
- 6000MM TURNING LENGTH
- 105MM SPINDLE BORE
- 10TON TURNING CAPACITY



ETD-SERIES OIL-COUNTRY CNC LATHE

LATHES DESIGNED WITH EXTRA LARGE SPINDLE BORES AND ARE AVAILABLE FROM MEDIUM TO EXTRA HEAVY TURNING CAPACITY.

HERE ARE SOME SPEC ON MACHINE RANGE:

- 650 - 2500MM SWING OVER BED
- 156 - 700MM SPINDLE BORE
- 6 - 40TON TURNING CAPACITY
- CAN BE CUSTOMISED FOR MOST BIG BORE TURNING WORK UP TO 40TONS

ETD-1500/4000

OIL COUNTRY SERIES CNC LATHE

- 420MM SPINDLE BORE
- 1500MM SWING
- 1100MM TURNING DIAMETER
- 4000MM TURNING LENGTH
- 400MM SPINDLE BORE



HEAVY DUTY BIG SWING / BIG BORE CNC LATHES

STANDARD BIG SWING AND BORE CNC LATHES

MODEL	ETC/ETD-	650	1000	1250	1500	2000	2500
SPINDLE BORE		SPINDLE BORE UP TO 700MM					
SWING OVER BED	MM	650	1000	1250	1500	2000	2500
SWING OVER CARRIAGE	MM	450	800	1000	1100	1500	2000
TURNING LENGTH	M	2 - 20					
LOAD BETWEEN CENTERS	TON	3 - 40					
BED WIDTH	MM	BED DESIGN VARIES WITH MACHINE DESIGN					
SPINDLE SPEED	RPM	1~200 0.5~100 0.4~80 0.2~40					
SPINDLE MOTOR	KW	7.5 - 110					
CNC FLAT BED LATHES WITH BIG SWING AND BORE..							



QUICK SPEC:

- 1500 - CUSTOM SWING
- 5 - 20+M TURNING LENGTH
- 50 - 200+TON TURN CAPACITY

ULTRA HEAVY CNC LATHES

UP TO 200TON CAPACITY
5-20M BETWEEN CENTRES

ETE-SERIES PARRALLEL BED CNC LATHES

LATHES DESIGNED FOR VERY LARGE WORK AND CAN BE HEAVILY CUSTOMISED.
HERE ARE SOME SPEC ON MACHINE RANGE:

- 2000 - 6300MM SWING OVER BED
- 5 - 20M TURNING LENGTH
- 50 - 200TON TURNING CAPACITY



ETE-3500/10000

EXTRA HEAVY DUTY TWIN BED CNC LATHE
100TON TURNING CAPACITY

- 3 500MM SWING
- 2 800MM TURNING DIAMETER
- 10 000MM TURNING LENGTH
- 143KW DC SPINDLE MOTOR
- 0.5 - 100RPM SPINDLE

PLEASE NOTE THAT WE BUILD CUSTOM DESIGNED MACHINES ON ORDER:

CUSTOMISED MACHINERY DESIGNED TO YOUR EXACT NEEDS.

- CUSTOM SWING, SPINDLE BORE, LENGTH AND CARRYING CAPACITY
- SPECIAL PURPOSE BORING, DRILLING, MILLING, GRINDING HEADS CAN BE ADDED.
- HIGH AND EXTRA HIGH PRECISION SYSTEMS CAN BE BUILT.

ULTRA HEAVY DUTY CNC LATHES

STANDARD EXTRA-HEAVY DUTY CNC LATHES

MODEL		ETE2000	ETE2500	ETE3150	ETE3500	ETE4000	ETE6300
BETWEEN CENTRES		EXTRA HEAVY DUTY 50TON+					
SWING OVER BED	MM	2000	2500	3150	3500	4000	6300
SWING OVER CARRIAGE	MM	1500	2000	2500	2800	3000	5000
TURNING LENGTH	M	5 - 20					
LOAD BETWEEN CENTERS	TON	50 - 200 (THIS CAN BE CUSTOMISED)					
BED WIDTH	MM	CUSTOM - BED DESIGN VARIES WITH MACHINE DESIGN					
SPINDLE SPEED	RPM	1~200 0.5~100 0.4~80 0.2~40					
SPINDLE MOTOR	KW	DC110/143/160/185					
CUSTOM SIZED CNC LATHES FOR EVERY HEAVY INDUSTRY...							



SLANT BED CNC LATHES

CNC PRODUCTION TURNING

QUICK SPEC:

- 360 - 900MM SWING
- 310 - 3000MM TURNING LENGTH
- FANUC, GSK OR SIEMENS

ES-SERIES

PRODUCTION SLANT BED CNC LATHES
HIGH RIGIDITY CAST IRON FRAMES FOR FAST ACCURATE
CYCLE TIMES THAT MAKE THE ESA AND ESB-SERIES CNC
LATHES IDEAL PRODUCTION PARTNERS.

RELIABILITY + PRODUCTION SPEED = HIGHER PROFITS

ESA-SERIES

SLANT-BED CNC LATHE

- 360 OR 460MM SWING
- 230 OR 380MM TURNING DIAMETER
- 310 OR 580MM TURNING LENGTH

GREAT QUALITY AND AFFORDABILITY



HYDRAULIC CHUCK AND TOOL TURRET AS
USED ON THE ESA-SERIES

ESB-SERIES

LARGE FORMAT SLANT-BED CNC LATHE

- 450-900MM SWING
- 250-800MM TURNING DIAMETER
- 500-3000MM TURNING LENGTH

LIGHT AND HEAVY DUTY MODELS



STANDARD ON ESA AND ESB SERIES:

- 8/12 STATION AUTO TOOL TURRET
- RIDGED CAST IRON BOX TYPE FRAME
- HYDRAULIC 3-JAW CHUCK
- PROGRAMABLE HYDRAULIC TAILSTOCK
- HIGH PRESSURE COOLANT SYSTEM



STANDARD CNC SLANT BED LATHES

STANDARD ESA + ESB SLANT BED CNC LATHES

MODEL		ESA-		ESB-					
		220	380	250	320	400	500	630	800
SWING OVER BED	MM	360	460	450	520	650	690	750	900
SWING OVER SADDLE	MM	230	320	270	320	400	500	550	680
TURNING DIAMETER	MM	220	380	250	320	400	500	630	800
TURNING LENGTH	MM	330	580	500-1000		1000-2000		1500-3000	
RAPID FEEDS (X,Z)	MM/MIN	15,12	18,24	20,24	20,20	16,20		10,15	10,10
SPINDLE BORE (THRU HYD CHUCK)	MM	52	56	48	65		89	115	
SPINDLE SPEED	RPM	45-4500	100-3500	30-4000	35-3500		20-2000		20-1200
TAILSTOCK TAPER	MT	MT4	MT5						MT6
MAIN MOTOR	KW	5.5	7.5	11/15		15/18	18/22	22/30	30/37
TOOL TURRET, NO OF TOOLS	TOOLS	8				12			

FANUC, SIEMENS OR GSK CONTROL, HYDRAULIC CHUCK + TOOL TURRET + TAILSTOCK

QUALITY SLANT BED CNC LATHES.

QUICK SPEC:

- 500 - 630MM SWING
- FANUC OR GSK CONTROL
- OPTIONAL: LIVE TOOLING

HIGH PERFORMANCE SLANT BED CNC LATHE CNC AND TURNING CENTRE WITH C-AXIS AND LIVE TOOLING

TONTEC HIGH PERFORMANCE SLANT BED LATHES

DESIGNED FOR PERFORMANCE
- RIDGED CAST IRON FRAME

SL-SERIES

SLANT-BED CNC LATHE

- 500 - 635MM SWING
- 280 - 410MM TURNING DIAMETER
- 500 - 650MM TURNING LENGTH
- 11/15KW SPINDLE MOTOR
- 2500 - 4000RPM SPINDLE



SL-SERIES

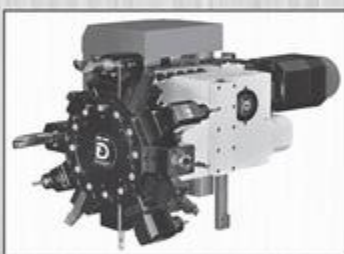
HIGH PERFORMANCE PRODUCTION SLANT BED CNC LATHE

TC-SERIES

TURNING CENTER WITH C-AXIS AND LIVE TOOLING

- 774MM SWING
- 460MM TURNING DIAMETER
- 560MM TURNING LENGTH
- 11/15KW SPINDLE MOTOR
- 3000RPM SPINDLE
- DIPLOMATIC LIVE TOOL TURRET

OPTIONAL:
AUTOMATIC BAR FEEDER



DIPLOMATIC LIVE TOOLING TURRET ON TC-SERIES

- 5000RPM MILL SPINDLE
- 3.75KW MILLING MOTOR

TC-SERIES

HIGH PERFORMANCE TURNING CENTRE WITH C-AXIS AND LIVE TOOLING

TONTEC HIGH PERFORMANCE SLANT BED CNC LATHES

MODEL		SL50	SLL50	SL63	TC-50 (LIVE TOOLING)
SWING OVER BED	MM	500	560	635	774
SWING OVER SADDLE	MM	280	300	410	236
TURNING DIAMETER	MM	450	490	620	460
TURNING LENGTH	MM	650	650	500	560
CHUCK DIAMETER	MM	250	254	315	254
SPINDLE SPEED	RPM	3000	3000	2500	3000
TRAVEL (X/Z)	MM	250X680	250X680	320X550	280X700
RAPID SPEED (X/Z)	M/MIN	12/16	18/24	12/16	18/24
SPINDLE MOTOR	KW	11/15			11/15
TOOL CHANGER	TOOLS	8/12	8/12	8/12	12 (LIVE TOOLING)
MILLING CUTTER	RPM	N/A			5000
MILLING MOTOR	KW	N/A			3.75

HIGH PRODUCTION SLANT BED CNC LATHES.

COMMON DESIGN COMPONENTS:



FANUC CONTROL



CHIP CONVEYOR



RIDGID 1PCS SLANT BED BODY CASTING



SINGLE COLUMN VERTICAL LATHE

800 - 3200MM TURNING DIAMETER

QUICK SPEC:

- 800 - 3200MM TURNING DIA.
- 1-30TON TABLE LOAD
- 700 - 2500MM UNDER TOOL
- HIGHLY CUSTOMISABLE

VS-SERIES SINGLE COLUMN V-LATHES

RIDGED BOX TYPE DESIGN SINGLE COLUMN VERTICAL LATHES

- MANY OPTIONS TO SUIT MANY REQUIREMENTS
- DIGITAL READ OUT SYSTEM
- HORIZONTAL SIDE HEAD

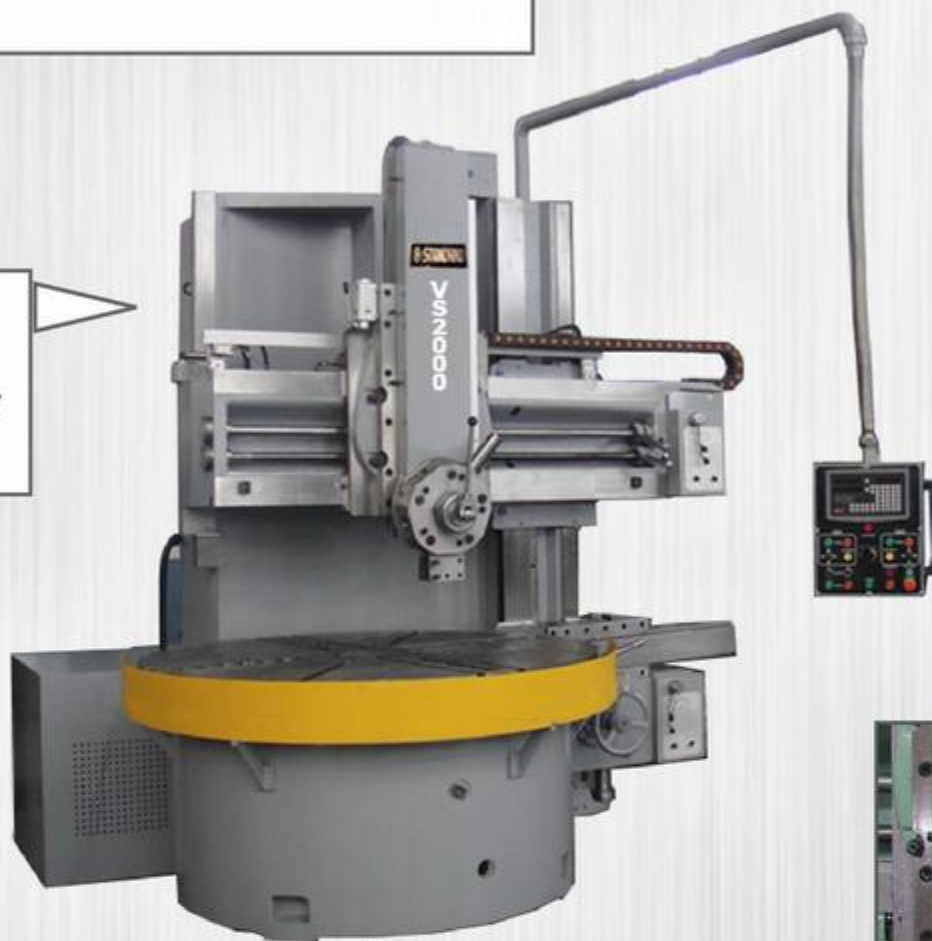


FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM

VS-2000

SINGLE COLUMN V-LATHE

- 2000MM TURNING DIAMETER
- 1200 -1400MM TURNING HEIGHT
- 5-STATION VERTICAL HEAD
- MOTORISED SIDE HEAD



SIDE TURNING HEAD



DOUBLE TABLE BEARING



5 POSITION MANUAL TOOL
TURRET

SINGLE COLUMN VERTICAL LATHES

STANDARD VS-SERIES SINGLE COLUMN VERTICAL LATHES

MODEL		VS-	800	1000	1200	1600	2000	2600	3200
TURNING DIAMETER	MM	800	1000	1200	1600	2000	2600	3200	
TABLE DIAMETER	MM	720	900	1000	1400	1800	2300	2830	
LOAD ON TABLE	TON	1.2	2	4	5	8	10	10-30	
TABLE SPEEDS	RPM	38~315	8~250	6.3~200	5~160	4~125	2~63	2~63	
NO. TABLE SPEEDS	GEARS	8	16						
MAIN MOTOR	KW	15		22		30	37	55	
WORK PIECE HEIGHT	MM	700	800-1000	1000-1200	1000-1800	1200-1400	1500-1800	1500-2500	
VERTICAL HEAD TRAVEL (VERT, HORI)	TURRET (MM)		600, 670	800, 700	800, 915	800, 1050	800, 1300	1000, 1800	
	RAM (MM)	600	700, 670	1000, 700	1000, 915	1000, 1050	1000,1300	1200, 1800	
SIDE HEAD TRAVEL (VERT, HORI)	MM	NO SIDE HEAD	900, 630			630, 1150	1180, 730		
VERTICAL HEAD TILT	DEG.	+30 -30							
WEIGHT	TON	6	8	9	12.5	15	22	30	
OVERALL(L×W×H)	MM	2400×2100×2760	2400×2200×2760	2360×2270×2800	2830×2670×2810	3100×2800×3010	3300×4000×3800	4950×4100×3800	

QUALITY SIMPLE AND COMPLEX SINGLE COLUMN VERTICAL LATHES.



QUICK SPEC:

- 800 - 2000MM TURNING DIA.
- 1 - 8TON TABLE LOAD
- 700 - 1400MM UNDER TOOL
- HIGHLY CUSTOMISABLE

CNC SINGLE COLUMN VERTICAL LATHE

800 - 2000MM TURNING DIAMETER

VSC-SERIES CNC SINGLE COLUMN V-LATHES

- RIDGED BOX TYPE DESIGN SINGLE COLUMN VERTICAL LATHES
- MANY OPTIONS TO SUIT MANY REQUIREMENTS
 - FANUC, GSK OR SIEMENS CONTROL SYSTEM

VSC-630F

- SINGLE COLUMN CNC V-LATHE**
- 1000MM TURNING DIAMETER
 - 800MM TURNING HEIGHT
 - SIEMENS CONTROL
 - OPTIONAL: AUTO TOOL CHANGER



VSC-2000S

- SINGLE COLUMN CNC V-LATHE**
- 2000MM TURNING DIAMETER
 - 1400MM TURNING HEIGHT
 - FANUC CONTROL
 - OPTIONAL: AUTO TOOL CHANGER



ROLLER AND HYDRO-STATIC BEARING



4 POSITION ELECTRIC TOOL TURRET



OPTIONAL: SIDE HEAD FOR HORIZONTAL CUTTING

CNC SINGLE COLUMN VERTICAL LATHES

STANDARD VSC-SERIES SINGLE COLUMN VERTICAL LATHES

MODEL		VSC-	800	1000	1200	1600	2000
TURNING DIAMETER	MM		800	1000	1200	1600	2000
TABLE DIAMETER	MM		720	900	1000	1400	1800
LOAD ON TABLE	TON		1.2	2	4	5	8
TABLE SPEEDS	RPM		38~315	8~250	6.3~200	5~160	4~125
NO. TABLE SPEEDS	GEARS		2	2	4	4	4
MAIN MOTOR	KW		15	15	22	22	30
WORK PIECE HEIGHT	MM		700	800-1000	1000-1200	1000-1800	1200-1400
VERTICAL HEAD TRAVEL	VERTICAL (MM)		600	700	800/900	800/1000	800/1000
	HORIZONTAL (MM)		670	670	700	915	1050
VERTICAL HEAD TILT	DEG.		+30 -30	+30 -30	+30 -30	+30 -30	+30 -30
WEIGHT	TON		6	8	9	12.5	15
OVERALL(L×W×H)	MM		2400x2100x2760	2400x2200x2760	2360x2270x2800	2830x2670x2810	3100x2800x3010

HEAVY DUTY CNC SINGLE COLUMN V-LATHES.

40

PRECISION LATHES



DOUBLE COLUMN VERTICAL LATHES

2500 - 8000MM TURNING DIAMETER

QUICK SPEC:

- 2500 - 8000MM TURNING DIA.
- 1600 - 4000MM+ UNDER TOOL
- 10 - 100TON+ TABLE LOAD
- HIGHLY CUSTOMISABLE

VD-SERIES DOUBLE COLUMN V-LATHES

RIDGED BOX TYPE DESIGN DOUBLE COLUMN VERTICAL LATHES

- MANY OPTIONS TO SUIT MANY REQUIREMENTS
- CUSTOM HEIGHT UNDER THE TOOL CAN BE ACCOMMODATED



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM

VD-2500

DOUBLE COLUMN V-LATHE

- 2500MM TURNING DIAMETER
- 2500MM TURNING HEIGHT
- 10-30TON TABLE LOAD



HYDROSTATIC LOAD BEARING



CENTRE ROLLER BEARING

DOUBLE COLUMN VERTICAL LATHES

VD-SERIES DOUBLE COLUMN LATHES - MEDIUM TO HEAVY WORK

MODEL	VD-	2500	3200	4000	5000	6300	8000
TURNING DIAMETER	MM	2500	3200	4000	5000	6300	8000
TABLE DIAMETER	MM	2250	2830	3200	4500	3800-5000	6000
LOAD ON TABLE	TON	10	10/30	10/32	30/50	50	100+
TABLE SPEEDS	RPM	2~63	2~63	2~63	0.2~40 (VARIABLE)	0.5~50 (VARIABLE)	0.2~20 (VARIABLE)
NO. TABLE SPEEDS	GEARS	16	16	16	2	2	2
MAIN MOTOR	KW	55	55	55-75	75	75	132
WORK PIECE HEIGHT	MM	1600-2500	2000-2500	1600-3150	2000-4150	3150-4150	4000+
VERTICAL HEAD TRAVEL	VERTICAL (MM)	1000/1300	1000/1300	1000-1600	1000-1600	1000-1600	2000
	HORIZONTAL (MM)	1400	1735	2150	2650	3415	4420
VERTICAL HEAD TILT	DEG.	+30 -15	+30 -15	+30 -15	+30 -15	+30 -15	+30 -15
WEIGHT	TON	32-38	36-45	39-52	55-100	110-120	300
OVERALL(L×W×H)	MM	6510×4400×4680	7160×4400×5080	8010×4400×4680	8610×6000×5600	12230×6800×6800	14500×8500×9800

QUICK SPEC:

- 2500 - 12 500MM TURNING DIA.
- 1600 - 4000MM+ UNDER TOOL
- 10 - 100TON+ TABLE LOAD
- HIGHLY CUSTOMISABLE

CNC DOUBLE COLUMN VERTICAL LATHES

2500 - 12 500MM TURNING DIAMETER

VDC-SERIES CNC DOUBLE COLUMN V-LATHES

RIDGED BOX TYPE DESIGN DOUBLE COLUMN VERTICAL LATHES

- MANY OPTIONS TO SUIT MANY REQUIREMENTS
- FANUC, GSK OR SIEMENS CONTROLS

VDC-2500

DOUBLE COLUMN CNC V-LATHE

- 2500MM TURNING DIAMETER
- 1600MM TURNING HEIGHT
- 2xTURNING HEADS



VDC-5000

DOUBLE COLUMN CNC V-LATHE

- 5000MM TURNING DIAMETER
- 4000MM TURNING HEIGHT
- 2X TURNING HEADS
- FANUC CONTROL

CNC DOUBLE COLUMN VERTICAL LATHES

VDC-SERIES CNC DOUBLE COLUMN VERTICAL LATHES - MEDIUM TO EXTRA HEAVY WORK

MODEL	VDC-	2500	3200	4000	5000	8000	10000	12500
TURNING DIAMETER	MM	2500	3200	4000	5000	8000	10 000	12 500
TABLE DIAMETER	MM	2250	2830	3600	4500	7200	8000	10 000/12 000
LOAD ON TABLE	TON	10	10/30	63	100	160-250	250-400	400-800
TABLE SPEEDS	RPM	2~63	2~63	0.5~50	0.4~40	0.25~25	0.2~20	0.16~16
TABLE MOTOR	KW	55	55	75	100	125	150	150
WORK PIECE HEIGHT	MM	1600-2500	2000-2500	2500-3200	3200-4000	5000-6300	6300-8000	6300-8000
VERTICAL HEAD TRAVEL	VERTICAL	1000/1300	1000/1300	1600	1600-2000	2500-3200	3200-4000	4000
	HORIZONTAL	1400	1735	2300	2800	4000	5000	6000
WEIGHT	TON	32-38	36-45	90	36-45	55-100	110-120	300

CNC DOUBLE COLUMN VERTICAL LATHES.



ULTRA HEAVY DUTY VERTICAL LATHES

CUSTOM DESIGNED TO SUIT YOUR NEEDS.

QUICK SPEC:

- 8 - 30M+ TURNING DIA.
- CUSTOM SIZE, TRAVEL AND ACCURACY
- BUILT TO HANDLE THE BIGGEST JOBS
- HIGH TECH AND CUSTOM DESIGNED

VDH-CUSTOM SIZE DOUBLE COLUMN V-LATHES

PURPOSE DESIGNED EXTRA LARGE FORMAT VERTICAL LATHES

- FULLY CUSTOMISABLE TO SUIT ANY NEED
- WE WILL BUILD THE MACHINE TO YOUR EXACT NEEDS
- ANY FUNCTIONS CAN BE ACCAMODATED.

WE PRIDE OURSELVES ON BUILDING CUSTOM MACHINES TO YOUR EXACT NEEDS.



VDH-16000CNC

DOUBLE COLUMN CNC VERTICAL LATHE,
CUSTOM SIZED

- 16M TURNING DIA.
- 10M UNDER TOOL
- 500TON LOAD ON TABLE
- W-AXIS APPROACH SLIDES



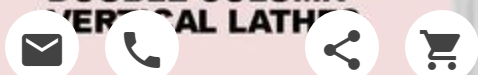
EXTRA HEAVY DUTY DOUBLE ROW
HYDROSTATIC BEARING

STANDARD ULTRA HEAVY DUTY VERTICAL LATHES

ULTRA HEAVY AND CUSTOM SIZED VERTICAL LATHES

MODEL		VDH-16000CNC	VDH-25000CNC	CUSTOM
TURNING DIAMETER	MM	16000	25000	CUSTOM
TABLE DIAMETER	MM	7500-12500	10000-20000	CUSTOM
LOAD ON TABLE	TON	UP TO 600		CUSTOM
TABLE MOTOR	KW	UP TO 300		CUSTOM
MILLING SPINDLE		OPTIONAL		CUSTOM
WORK PIECE HEIGHT	MM	UP TO 10000		CUSTOM
WEIGHT	TON	UP TO 2000		CUSTOM

HIGH TECH CUSTOM DESIGNED ULTRA HEAVY DUTY VERTICAL LATHES/BORERS.



QUICK SPEC:

- 4 - 12.5M TURNING DIA.
- SIEMENS CNC CONTROL
- HEIDENHAIN ENCODERS AND SCALES
- HIGH TECH FULL FUNCTION MACHINE

VTC-SERIES MILL+TURN VERTICAL LATHE

4 - 12.5M TURNING DIAMETER

VTC-SERIES DOUBLE COLUMN TURNING CENTRE

EUROPEAN DESIGNED HIGH PERFORMANCE MILLING, DRILLING AND TURNING V-LATHE

- FULLY CUSTOMISABLE TO SUIT YOUR NEEDS.
- SIEMENS CONTROL
- HIGH PRECISION, AND EXTRA HEAVY DUTY MODELS AVAILABLE



VTC-5000

DOUBLE COLUMN MILL+TURN CNC V-LATHE

- 5000MM TURN DIA.
- BT50 MILLING TOOLING
- 22KW MILLING/DRILLING SPINDLE MOTOR

MANY OPTIONAL MODELS AVAILABLE:

- HIGH PRECISION
- EXTRA HEAVY DUTY
- EXTRA HEIGHT
- HIGH PRODUCTION
- HIGH SPEED CUTTING FOR TECHNICAL MATERIALS
- HIGH RIGIDITY FOR HARD MATERIALS
- LARGE FORMAT FOR BULKY MATERIALS

STANDARD CNC MILL / TURN

HIGH TECH CNC VERTICAL LATHE WITH C-AXIS AND MILLING HEAD							
MODEL	VTC-	4000	5000	6300	8000	10000	12500
HIGH PRECISION EUROPEAN DESIGNED							
TURNING DIAMETER	MM	4000	5000	6300	8000	10 000	12 500
TABLE DIAMETER	MM	3600	4500	5700	7200	8000	10 000/12 000
LOAD ON TABLE	TON	63	100	125-160	160-250	250-400	400-800
TABLE SPEEDS	RPM	0.5 ~ 50	0.4 ~ 40	0.32 ~ 32	0.25 ~ 25	0.2 ~ 20	0.16 ~ 16
TABLE MOTOR	KW	75	100	100	125	150	150
MILLING SPINDLE TAPER		BT50/60	BT50/60	BT50/60	BT50/60	BT50/60	BT50/60
MILLING SPINDLE MOTOR	KW	15	22	22	28	40	60
WORK PIECE HEIGHT	MM	2500-3200	3200-4000	4000-5000	5000-6300	6300-8000	6300-8000
VERTICAL HEAD TRAVEL	VERTICAL	1600	1600-2000	2000-2500	2500-3200	3200-4000	4000
	HORIZONTAL	2300	2800	3500	4000	5000	6000
WEIGHT	TON	90	36-45	39-52	55-100	110-120	300
HIGH TECH HIGH PERFORMANCE EUROPEAN DESIGN.							



MANUAL BANDSAWS

180 - 330MM ROUND CUTTING CAPACITY

QUICK SPEC:

- 180 - 330MM ROUND CUTTING
- 305 - 540MM FLAT CUTTING
- 220 OR 380VOLT SAWS



B-180

DESIGNED TO BE MOBILE, TAKE THE SAW TO THE MATERIAL

- 180MM ROUND CUTTING
- 4 STEP BLADE SPEED
- 1HP BLADE MOTOR
- 220 OR 380 VOLT

B-225

INDUSTRIAL GRADE CUTTING

- 225MM ROUND CUTTING
- 4 STEP BLADE SPEED
- 1.5HP BLADE MOTOR



B-250

INDUSTRIAL GRADE CUTTING

- 250MM ROUND CUTTING
- VARIABLE BLADE SPEED
- 2HP BLADE MOTOR

B-330

INDUSTRIAL GRADE CUTTING

- 330MM ROUND CUTTING
- VARIABLE BLADE SPEED
- 3HP BLADE MOTOR



STANDARD ACCESSORIES



BLADE TENSIONER



CARBIDE AND BEARING BLADE GUIDES



RAPID ACTION VICE



BLADE CLEARING BRUSH

STANDARD MANUAL BANDSAWS

B-SERIES MANUAL BANDSAWS WITH HYDRAULIC DOWN FEED

MODELS	B-		180	225	250V/S	330V/S
CUTTING CAPACITY AT 90	MM	●	180	225	250	330
	MM	■	180x280 35x300	225x345 35x400	250x415 200x450	330x480 225x530
CUTTING CAPACITY AT 45	MM	●	110	165	190	255
	MM	■	180x110	225x165	250x190	280x255
MOTOR	HP		1.5	2	2	3
MANUAL OR SEMI-AUTO			MANUAL	MANUAL	MANUAL OR SEMI-AUTO	MANUAL OR SEMI-AUTO
BLADE SPEED (M/MIN)	M/MIN		22/33/ 45/65	25/40/51/71	25-75	28-78
NO. BLADE SPEEDS	STEPS		4	4	VARIABLE	VARIABLE
BLADE SIZE	MM		19x0.9x2360	27x0.9x3035	27x0.9x3300	34x1.1x4100

PROVEN QUALITY MANUAL BANDSAWS

QUICK SPEC:

- 250 - 460MM ROUND CUTTING
- 400 - 600MM FLAT CUTTING
- POSITIVE ANGLE +60DEG.
- DUAL ANGLE +60 ~ -45DEG.

SWING HEAD MITRE CUTTING BANDSAWS

MANUAL AND SEMI-AUTO

BOW IS MOUNTED AT 45DEG TO THE CUT



B-250S

MANUAL SWIVEL HEAD WITH POSITIVE CUTTING ANGLE

- 250MM ROUND CUTTING
- 400MM FLAT CUTTING
- VARIABLE BLADE SPEED
- 2HP BLADE MOTOR

MANUAL LIFT SWING HEAD
OPTIONAL: SEMI-AUTO
45DEG VERTICAL BOW

BS-460DS

SEMI-AUTO SWIVEL HEAD WITH POSITIVE AND NEGATIVE CUTTING ANGLES

- 460MM ROUND CUTTING (90DEG.)
- 600x440MM FLAT CUTTING (90DEG.)
- VARIABLE BLADE SPEED
- 5HP BLADE MOTOR (INVERTER)

SEMI-AUTO, HYD-VICE AND
MANUAL OR MOTORISED
CUT ANGLE ADJUSTMENT.
90DEG - VERTICAL BOW

BOW IS MOUNTED PARRALLEL TO THE CUT



STANDARD SWING HEAD BANDSAWS

BS-SERIES SWING HEAD MITRE BANDSAWS						
MODEL	BS-		250V/S	330V/S	331DS	460DS
CUTTING ANGLE			POSITIVE ANGLE ONLY		DUAL ANGLE	
CUTTING CAPACITY AT 90	MM		250	330	331	460
	MM		250x385 230x400	330x480 225x530	320x485 260x510	460x460 440x600
CUTTING CAPACITY AT 45	MM		215	275	315	460
	MM		250x215	300x275	315x315	460x460
CUTTING CAPACITY AT 60	MM		-	-	215	300
	MM		-	-	195x315	300x300
SWIVEL ANGLE	DEG		+45	+45	+60 -45	+60 -45
MANUAL OR SEMI-AUTO			MANUAL OR SEMI-AUTO	MANUAL OR SEMI-AUTO	SEMI-AUTO	SEMI-AUTO
MOTOR	HP		2	3	3	5
BLADE SPEED (M/MIN)	M/MIN		25-75	20-80	26-80	26-80
NO.BLADE SPEEDS	STEPS		VARIABLE	VARIABLE	VARIABLE	VARIABLE
BLADE SIZE	MM		27x0.9x3300	34x1.1x4100	34x1.1x4180	41x1.3x5330
SWING HEAD TYPE MITRE BANDSAWS.						

SWING HEAD TYPE MITRE BANDSAWS.



HEAVY DUTY COLUMN TYPE BANDSAWS

SEMI-AUTOMATIC

QUICK SPEC:

- 280-2500MM CUTTING DIA.
- HEAVY - EXTRA HEAVY DUTY
- HYDRAULIC SEMI-AUTO

BC-SERIES HEAVY DUTY COLUMN TYPE BANDSAWS

HEAVY DUTY AND PRODUCTION CUTTING WORK

- HYDRAULIC SEMI-AUTOMATIC
- HYDRAULIC VICE
- SOLID COLUMN DESIGN FOR QUALITY CUTTS
- ELECTRONUCALLY CONTROLLED VARIABLE BLADE SPEED



BC-500

HEAVY DUTY COLUMN TYPE BANDSAW

- 500MM ROUND CUTTING DIAMETER
- HYDRAULIC SEMI-AUTO
- HYDRAULIC VICE
- AUTO MATERIAL HEIGHT SETTER

BC-1600

EXTRA HEAVY DUTY COLUMN TYPE

- 1600MM ROUND CUTTING CAPACITY
- POWER ROLLER TABLE
- HYDRAULIC VICE
- HYDRAULIC BLADE TENSIONER
- AUTO MATERIAL HEIGHT SETTER



HEAVY DUTY AND LARGE FORMAT BANDSAWS

BC SERIES HEAVY DUTY LARGE FORMAT SEMI-AUTO BANDSAWS

MODEL	BC-	280	350	400	500	800	1000	1600
CUTTING CAPACITY (OPTIONAL)	MM	280	350	400	500	800	1000	1600
	MM	280x400	350x350	400x500 (400x700)	500x500	800x800 (800x1300)	1000x1000	1600x1600
BLADE SPEEDS	M/MIN	25-80	25-83	25-83	30-65	20-65	15-55	15-55
BLADE SPEED CONTROL		VARIABLE (INVERTER)						
VICE CLAMPING		HYDRAULIC						
BLADE SIZE	MM	27x0.9x3620	34x1.1x4250	34x1.25x4650	41x1.25x5450	67x1.6x8860	67x1.6x9820	100x2x16150
MOTOR	KW	3	3	3 / 4	4	7.5 / 11	11	18.5
DIMENSIONS (LXWxH)	MM	1630x1190x1520	2120x1200x1560	2400x1100x1730	2650x1100x2000	4130x2150x2500	4560x2170x3040	6800x2300x4900

AVAILABLE AS SEMI-AUTO OR NC-CONTROLLED FULL AUTO.



QUICK SPEC:

- FIXED AND MITRE SAWS
- 280 - 1600MM ROUND CUTTING
- SEMI-AUTO OR NC CONTROLLED

COLUMN TYPE AUTOMATIC BANDSAWS

NC WITH TOUCH SCREEN INTERFACE

BNC-SERIES AUTOMATIC COLUMN TYPE BANDSAWS

HEAVY DUTY AND PRODUCTION CUTTING WORK

- FULL AUTO (NC CONTROLLED)
- SOLID COLUMN DESIGN FOR QUALITY CUTTS
- ELECTRONUCALLY CONTROLLED VARIABLE BLADE SPEED
- HYDRAULIC SHUTTLE VICE FEED SYSTEM WITH BUNDLE CUTTING TOP VICE
- AUTO CUTTING LENGTH MEASURMENT
- AUTO MATERIAL HEIGHT SETTER

BNC-280

HEAVY DUTY COLUMN TYPE BANDSAW

- 280MM ROUND CUTTING DIAMETER
- TOUCH SCREEN NC-CONTROL
- HYDRAULIC SHUTTLE VICE FEED
- BUNDLE CUTTING TOP VICE
- AUTO MATERIAL HEIGHT SETTER



BNC-400

HEAVY DUTY COLUMN TYPE BANDSAW

- 400MM ROUND CUTTING DIAMETER
- TOUCH SCREEN NC-CONTROL
- HYDRAULIC SHUTTLE VICE FEED
- BUNDLE CUTTING TOP VICE
- AUTO MATERIAL HEIGHT SETTER



HEAVY DUTY FULL AUTO-BANDSAWS

BNC-SERIES NC CONTROL AUTOMATIC BANDSAWS

MODEL	BNC-	280	350	400	500	800	1000	1600
CUTTING CAPACITY (OPTIONAL)	MM	280	350	400	500	800	1000	1600
	MM	280x400	350x350	400x500 (400x700)	500x500	800x800 (800x1300)	1000x1000	1600x1600
BLADE SPEEDS	M/MIN	25-80	25-83	25-83	30-65	20-65	15-55	15-55
BLADE SPEED CONTROL		VARIABLE (INVERTER)						
VICE CLAMPING		HYDRAULIC						
BLADE SIZE	MM	27x0.9x3620	34x1.1x4250	34x1.25x4650	41x1.25x5450	67x1.6x8860	67x1.6x9820	100x2x16150
MOTOR	KW	3	3	3 / 4	4	7.5 / 11	11	18.5
DIMENSIONS (LXWLH)	MM	1630x1190x1520	2120x1200x1560	2400x1100x1730	2650x1100x2000	4130x2150x2500	4560x2170x3040	6800x2300x4900

TOUCH SCREEN NC INTERFACE FULL AUTO BANDSAWS.



VERTICAL BANDSAWS

300-1000MM THROAT

INDUSTRIAL GRADE BANDSAWS

QUICK SPEC:
 - 300 - 1000MM THROAT
 - 170 - 500MM CUT HEIGHT

BV-SERIES VERTICAL BANDSAWS

PROVEN QUALITY VERTICAL BANDSAWS FOR STEEL.
 SHEAR, WELDER, GRINDER, TILTING TABLE, LIGHT AND AIR BLAST



VERTICAL BANDSAW

BV-1730

VERTICAL METAL CUTTING BANDSAW

- 170MM CUT HEIGHT
- 300MM THROAT
- 400WATT CUTTING MOTOR
- 220 or 380 VOLT

BV-2345

VERTICAL METAL CUTTING BANDSAW

- 230MM CUT HEIGHT
- 450MM THROAT
- 750WATT CUTTING MOTOR
- 380 VOLT

DEEP THROAT BANDSAW

BV-3460

VERTICAL METAL CUTTING BANDSAW

- 340MM CUT HEIGHT
- 600MM THROAT
- 1.5KW CUTTING MOTOR

BV-34100

VERTICAL METAL CUTTING BANDSAW

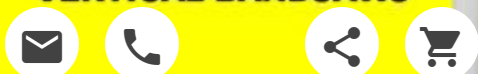
- 340MM CUT HEIGHT
- 1 000MM THROAT
- 1.5KW CUTTING MOTOR



STANDARD VERTICAL BANDSAWS

BV-SERIES PROVEN QUALITY VERTICAL BANDSAWS

MODEL		BV-1730	BV-2345	BV-3460	BV-34100	BV-4070	BV-5080
FEEDING TYPE		MANUAL FEED	MANUAL FEED	MANUAL FEED	MANUAL FEED	TRAVELING HEAD	TRAVELING HEAD
CUT HEIGHT	MM	170	239	340	340	400	500
THROAT	MM	300	450	600	1000	700	800
TABLE SIZE	MM	400x500	500x600	660x700		800x1000-6000	
BLADE SPEED	M/MIN	20-90	25-115	20-500		20-70	
SPEED ADJUSTMENT		VARIABLE					
MOTOR	KW	0.4	0.75	1.5		5.5	
DIMENSIONS	MM	920x550x1680	1110x660x2020	1570x110x2140	1920x1100x2140	CUSTOM	
WEIGHT	KG	260	330	900	1000	3000+	6000+



QUICK SPEC:

- 250, 315 + 350MM HSS BLADES
- POS + NEG MITER CUTTING
- ENGINEERS QUALITY CUTS

ROUND HSS BLADE CUT-OFF SAW ENGINEERS CUT WITH HSS BLADES

CO-SERIES CUT OFF SAWS

PRECISION ROUND HSS BLADE CUT-OFF SAWS, ENGINEERS QUALITY CUT WITH VERY LITTLE BURE AND MATERIAL DEFORMATION.

- LITTLE TO NO HEAT TRANSFER TO MATERIAL
- SWIVEL HEAD AND VICE
- EFFECTIVE COOLANT SYSTEM
- QUICK ACTION VICE
- TRIGGER CONTROL - FOR SAFETY



250MM DIA. ROUND HSS BLADE

STANDARD CO-250

PRECISION CUT-OFF SAW

- 250MM DIA. HSS BLADE
- 380VOLT - 2-SPEED 45/90RPM
- 220VOLT - 1-SPEED 45RPM



315MM DIA. ROUND HSS BLADE

STANDARD CO-315

PRECISION CUT-OFF SAW

- 315MM DIA. HSS BLADE
- 2-SPEED 44/88RPM
- 380VOLT



TRIGGER CONTROL FOR SAFETY



RAPID ACTION VICE



ELECTRIC COOLANT PUMP
ON SOME MODELS

STANDARD PRECISION CUT-OFF SAWS

ENGINEERS GRADE CUT-OFF / COLD SAWS					
MODEL			CO-250	CO-315	CO-350
FEED TYPE			MANUAL	MANUAL	MANUAL
BLADE DIAMETER		MM	250	315	350
CUTTING CAPACITY AT 90	MM	●	30	60	85
	MM	○	75DIA.	100DIA.	120DIA.
		□	65x65 90x50	82x82 110x70	105x105 160x90
CUTTING CAPACITY AT 45	MM	●	30DIA.	50DIA.	75DIA.
	MM	○	65DIA.	90DIA.	100DIA.
		□	55X55 60X50	75X75 85X70	85X85 ???
MOTOR		HP	1.5	2	3
BLADE SPEED		RPM	45/90	44/88	24-120
NO.BLADE SPEEDS		STEPS	2 SPEED	2 SPEED	INVERTER
DIMENSIONS		MM	880x920x600	1010x960x1770	1260x1030x1820
WEIGHT		KG	131	175	250

GRINDING AND BUFFING MACHINES

INDUSTRIAL GRADE

QUICK SPEC:
 - 200-350MM STONE GRINDERS
 - 0.9 - 4KW BUFFING MACHINES

G-200B

INDUSTRIAL GRADE BENCH GRINDER

- 200MM STONE DIA.
- 0.9KW HIGH TORQUE MOTOR
- 220 OR 380VOLT

G-250B

INDUSTRIAL GRADE BENCH GRINDER

- 250MM STONE DIA.
- 0.9KW HIGH TORQUE MOTOR
- 220 OR 380VOLT



G-350P

INDUSTRIAL GRADE PEDESTAL GRINDER

- 350MM STONE DIA.
- 1.75KW MOTOR
- CAST IRON PEDESTAL
- 380VOLT



GRINDER		G-200B	G-250B	G-350P
GRINDER TYPE		DOUBLE ENDED BENCH TYPE	DOUBLE ENDED BENCH TYPE	DOUBLE ENDED PEDESTAL TYPE
GRINDING STONE	MM/DIA	200	250	350
MOTOR SIZE	KW	0.9	0.9	1.75
SPINDLE SPEED	RPM	2950	2950	1440

P-900

INDUSTRIAL GRADE BENCH POLISHER

- 0.9KW MOTOR
- 220VOLT



P-2200

HEAVY DUTY INDUSTRIAL BUFF AND POLISHER

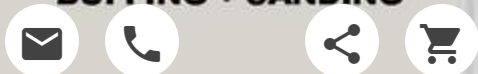
- 2.2KW MOTOR
- 380VOLT

P-4000

HEAVY DUTY INDUSTRIAL BUFF AND POLISHER

- 4KW MOTOR
- 380VOLT

BUFF/POLISHERS		P-900	P-2200	P-4000
TYPE		DOUBLE ENDED BENCH TYPE	DOUBLE ENDED BENCH TYPE	DOUBLE ENDED BENCH TYPE
SPINDLE SPEED	RPM	2800	2900	
MOTOR SIZE	KW	0.9	2.2	4



QUICK SPEC:

- BELT AND DISK SANDERS
- BELT AND CHAMFERING
- DISK SANDER
- DUST EXTRACTION

SANDING MACHINES

INDUSTRIAL GRADE



SD-30D DOUBLE DISC SANDER

- 304MM DIA. DISC
- 750KW MOTOR
- 1450RPM
- 446x225MM TABLE
- 40KG



SD-30T TABLE DISC SANDER

- 304MM DIA. DISC
- 750KW MOTOR
- 1960RPM
- 400x225MM TABLE
- 30KG



SD-30 DISC SANDER

- 300MM DIA. DISC
- 1.1KW MOTOR
- 1960RPM
- 305x415MM TABLE
- 110KG



SD-50 DISC SANDER

- 508MM DIA. DISC
- 1.5KW MOTOR
- 900RPM
- 370x650MM TABLE
- 180KG



SBD-1530 BELT AND DISK SANDER

- 150MM WIDE BELT
- 300MM DIA. DISC
- 1HP MOTOR
- 220V 1PHASE



SBD-1530 BELT AND DISK SANDER

- 150x1220MM BELT
- 250MM DIA. DISC
- 1.1KW MOTOR
- BELT SPEED 8.4M/SEC



SBC-15 BELT SANDER AND CHAMFER

- 150x1220MM BELT
- 6MM / 45DEG. CHAMFER
- CHAMFER ANGLE 15-45DEG.
- 1.1KW MOTOR
- 188x375MM TABLE
- 135KG



SB-15 BELT SANDER

- 150x2000MM BELT
- 150x250MM SANDING AREA
- 2.8KW MOTOR
- BELT SPEED 18/37M/SEC



STL-15 TUBE LINISHER

- 50x1450MMBELT
- BELT SPEED 13M/SEC
- 0.75KW MOTOR



SE-1 BOX DUST EXTRACTOR

- MAX AIR THRU FILTER 14M³/MIN
- 0.75KW MOTOR

TOOL AND CUTTER GRINDERS

INDUSTRIAL QUALITY

QUICK SPEC:

- TOOL GRINDER
- CUTTING TOOL SHARPENING
- STEEL AND CARBIDE TOOLING

D-BIT GRINDER

D-BIT TYPE TOOL GRINDER		
MODEL		GT-1
POINT ANGLES	DEG	40°~180°
CLEARANCE ANGLE	DEG	0°~18°
HEAD TILT	DEG	0°~20°
MOTOR	HP	1/2
CUP WHEEL	MM	Ø165x21xØ31.75
GRINDING WHEELS	MM	Ø180x20xØ31.75
WEIGHT	KG	120
DIMENSIONS	MM	840x840x770

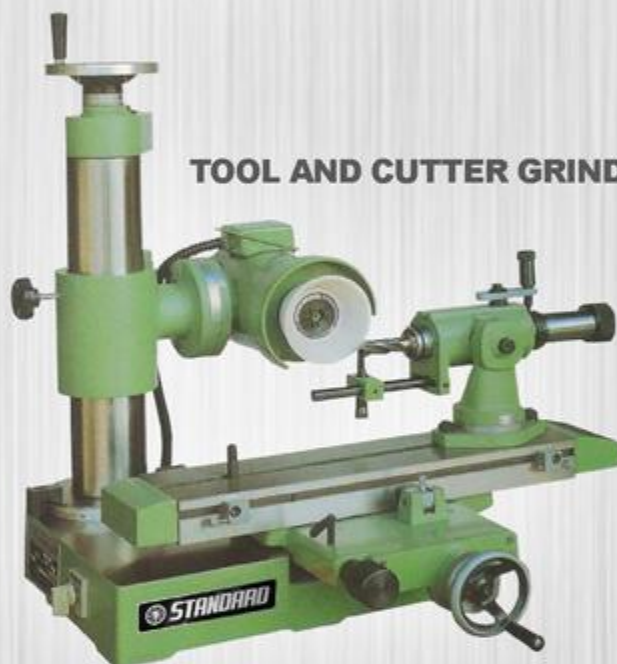
D-BIT GRINDER.



TOOL+CUTTER GRINDER

BENCH TOP TOOL AND CUTTER GRINDER		
MODEL		GT-3
POINT ANGLES	DEG	40°~180°
CLEARANCE ANGLE	DEG	0°~18°
HEAD TILT	DEG	NO
MOTOR	HP	1/2
CUP WHEEL	MM	Ø165x21x31.75
GRINDING WHEELS	MM	Ø180x32x31.75
END MILL GRINDING	FLUTES	2,3,4,6,12 FLUTE
WEIGHT	KG	300
DIMENSIONS	MM	750x925x1300

TOOL AND CUTTER GRINDER.



UNIVERSAL TOOL GRINDER

UNIVERSAL TOOL AND CUTTER GRINDER		
MODEL		GT-4
POINT ANGLES	DEG	40°~180°
CLEARANCE ANGLE	DEG	0°~18°
HEAD TILT	DEG	NO
MOTOR	HP	1 1/2
CUP WHEEL	MM	Ø165x21x31.75
GRINDING WHEELS	MM	Ø180x50x31.75
END MILL GRINDING	FLUTES	2,3,4,6,12 FLUTE
WEIGHT	KG	380
DIMENSIONS	MM	800x1000x1300

UNIVERSAL TOOL AND CUTTER GRINDER.



QUICK SPEC:

- 32 - 80MM DIAMETER DRILLS
- STEEL AND CARBIDE TOOLING
- MANUAL, AUTO OR CNC MODELS

PROFESSIONAL DRILL AND TOOL GRINDER

MANUAL OR AUTOMATIC

PROFESSIONAL GRADE GRINDING OF CARBIDE AND STEEL DRILLS AND CUTTING TOOLS.

PROUDLY STANDARD AND BUILT TO THE HIGHEST QUALITY BY **FARMAN**



GD-32

PROFESSIONAL CUTTING TOOL GRINDER
- 1.5-32MM DIAMETER TOOLING

OPTIONAL:
AUTO-CYCLE GRINDING
SPECIAL HOLDING SYSTEMS
MULTI-FLUTE GRINDING SYSTEMS
SPECIAL GRINDING ATTACHMENTS

TOOLS AND DRILLS
UPTO 32MM DIA.



GD-80

PROFESSIONAL CUTTING TOOL GRINDER
- 4-80MM DIAMETER TOOLING

OPTIONAL:
AUTO-CYCLE GRINDING
SPECIAL HOLDING SYSTEMS
MULTI-FLUTE GRINDING SYSTEMS
SPECIAL GRINDING ATTACHMENTS

TOOLS AND DRILLS
UP TO 80MM DIA.

PROFESSIONAL DRILL GRINDERS

PROFESSIONAL DRILL AND TOOL SHARPENER/GRINDER				
MODEL		GD-32	GD-50 (DUAL CAM)	GD-80 (DUAL CAM)
DRILL SIZE	MM	Ø1.5~32 (STRAIGHT OR TAPER SHANK)	Ø2.5-51 STRAIGHT OR TAPER SHANK (1,2,3,4,5,6 FLUTE)	Ø4-80 (1,2,3,4,5,6 FLUTE)
POINT ANGLES	DEG	40°~180°	40°~180°	40°~180°
CLEARANCE ANGLE	DEG	0°~18°	0°~18°	0°~18°
HEAD TILT	DEG	0°~20°	NO	NO
MOTOR	HP	1/2	1/2	1 1/2
CUP WHEEL	MM	Ø165x21xØ31.75	Ø165x21x31.75	Ø165x21x31.75
GRINDING WHEELS	MM	Ø180x20xØ31.75	Ø180x32x31.75	Ø180x50x31.75
END MILL GRINDING	FLUTES		2,3,4,6,12 FLUTE	2,3,4,6,12 FLUTE
WEIGHT	KG	120	300	380
DIMENSIONS	MM	840x840x770	750x925x1300	800x1000x1300



PRECISION SURFACE GRINDERS

150x450 ~ 250x500MM MAGNET

QUICK SPEC:

- 150x450 ~ 250x500MM MAGNET
- HIGH PRECISION
- MANUAL CROSS + VERT FEED
- MANUAL AND HYDRAULIC

KENT USA PRECISION SURFACE GRINDERS

PRECISE AND RELIABLE GRINDING MACHINES



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM



M-SERIES

SADDLE TYPE SURFACE GRINDER

GRINDING CAPACITY
- 150~250MM CROSS
- 450~500MM LONGITUDINAL
MANUAL X-Y-Z TRAVEL



M618

150x450MM MAGNET
X-Y-Z-MANUAL FEED

KG-SERIES

SADDLE TYPE SURFACE GRINDER

GRINDING CAPACITY
- 200~250MM CROSS
- 450~500MM LONGITUDINAL
MOTORISED CROSS FEED
HYDRAULIC X-TRAVEL



KG-2550AHR

300x600MM MAGNET
MOTORISED Z-AXIS AXIS



Student Model Available
Designed For Student Training.

KENT USA PRECISION SURFACE GRINDERS

PRECISION SURFACE GRINDERS (SMALL WHEEL)

SERIES		MANUAL TYPE			HYDRAULIC X-TRAVEL	
MACHINE DESIGN		SADDLE TYPE				
MODELS		M1545	M2045	M2550	KG-2045AH/R	KG-2550AH/R
SURFACE OF TABLE/MAGNET	MM	150x450	200x450	250x500	200x450	250x500
CROSS X LONG TRAVELS	MM	165x480	225x510	280x620	225x510	280x560
SPINDLE TO TABLE	MM	360	520	535	520	535
HYDRAULIC TABLE SPEED	M/MIN	MANUAL			5~25	
AUTO CROSS FEED (STEP)	MM	MANUAL			0.5~12 PER/STEP	
CROSS FEED CONTINUOUS	MM/MIN	MANUAL			780MM/MIN FEED	
WHEEL DIMENSION (O.DxWxI.D)	MM	180x13x31.75	200x25x31.75		200x25x31.75	
SPINDLE MOTOR	KW	1.1	1.5	2.2	1.5	2.2
SPINDLE SPEED	RPM	2850			2850	
WEIGHT	KG	650	1100	1250	1350	1750

PROVEN QUALITY PRECISION SURFACE GRINDERS FOR RELIABLE USE.



QUICK SPEC:

- 300x600MM - 800x2000MM MAGNET
- HIGH PRECISION
- AUTO DOWN FEED
- OPTIONAL CNC CONTROLLER

PRECISION SURFACE GRINDERS

300x600 ~ 800x2000MM MAGNET

KENT USA PRECISION SURFACE GRINDERS

PRECISE AND RELIABLE GRINDING MACHINES

KGS-SERIES

SADDLE TYPE SURFACE GRINDER

GRINDING CAPACITY

- 300~400MM CROSS
 - 600~1000MM LONGITUDINAL
- SHOWN WITH AUTOMATIC DOWN FEED



KGS-3060AHD

300x600MM MAGNET
AUTOMATIC DOWN FEED

KGC-SERIES

COLUMN TYPE SURFACE GRINDER

GRINDING CAPACITY

- 500~800MM CROSS
 - 1000~2000MM LONGITUDINAL
- SHOWN WITH AUTOMATIC DOWN FEED



KGS-50150AHD

500x1500MM MAGNET
AUTOMATIC DOWN FEED

KENT USA HEAVY DUTY SURFACE GRINDERS

PRECISION SURFACE GRINDERS (BIG GRINDING WHEEL)

SERIES		HYDRAULIC X-FEED, ELECTRIC CROSS FEED AND AUTO DOWN FEED					
MACHINE DESIGN		SADDLE TYPE			COLUMN TYPE		
MODELS		KGS-3060AHD	KG-S4080AHD	KG-S40100AHD	KGC-50150AHD	KGC-6020AHD	KGC-8020SD
SURFACE OF TABLE/MAGNET	MM	300x600	400x800	400x1000	500x1500	600x2000	800x2000
CROSS X LONG TRAVELS	MM	340x660	440x850	440x1050	540x1600	650x2230	850x2230
SPINDLE TO TABLE	MM	580	580	580	590	600	800
HYDRAULIC TABLE SPEED	M/MIN	5~25			5~25		
AUTO CROSS FEED (STEP)	MM	0.5~12MM PER/STEP			0.5~12MM PER/STEP		
CROSS FEED CONTINUOUS	MM/MIN	790MM/MIN FEED			1250MM/MIN FEED		
WHEEL DIMENSION (O.DxWxI.D)	MM	355x40x127			355x40x127	355x50x127	400x50x127
SPINDLE MOTOR	KW	4	5.5	5.5	7.5		
SPINDLE SPEED	RPM	1450			1450		
WEIGHT	KG	1950	2850	3000	6000	8500	9250

PROVEN QUALITY PRECISION SURFACE GRINDERS FOR RELIABLE USE.



PRECISION SURFACE GRINDERS

200X500MM - 600X1500MM

QUICK SPEC:

- 200x500MM - 600X2500MM MAGNET
- HIGH PRECISION
- WITH AUTO DOWN FEED
- OPTIONAL CNC CONTROLLER

PROTH PRECISION SURFACE GRINDERS

PRECISE AND RELIABLE GRINDING MACHINES



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM



PSGS-SERIES

SADDLE TYPE SURFACE GRINDER

- GRINDING CAPACITY
- 200-400MM CROSS
 - 500-800MM LONGITUDINAL

SHOWN WITH CNC CONTROLLER



PSGS-4080 CNC

400X800MM MAGNET
SHOWN WITH CNC CONTROL



PSGC-SERIES

COLUMN TYPE SURFACE GRINDER

- GRINDING CAPACITY
- 500-600MM CROSS
 - 1000-2500MM LONGITUDINAL

SHOWN WITH AUTOMATIC DOWN FEED

PSGC-60150

600x1500MM MAGNET



Student Model Available
Designed For Student Training.

HIGH PRECISION SURFACE GRINDERS

PRECISION SURFACE GRINDERS										
SERIES		PSGS-SERIES			PSGC-SERIES					
MACHINE DESIGN		SADDLE TYPE			COLUMN TYPE					
MODELS		2550	3060	4080	50100	50150	60120	60150	60220	60250
SURFACE OF TABLE/ MAGNET	MM	250x500	300x600	400x800	500x1000	50x1500	600x1200	600x1500	600x220	600x2500
CROSS X LONG TRAVELS	MM	270x550	340x700	460x880	560x1150	560x1350	660x1500	660x1650	660x2350	660x2650
SPINDLE TO TABLE	MM	500	600		700					
HYDRAULIC TABLE SPEED	M/MIN	1-25								
CROSS FEED STEP (ELECTRO-MECHANICAL)	MM	0.1-10 PER/STEP 1000MM/MIN FEED			0.1-15 PER/STEP 50-1500MM/MIN FEED					
WHEEL DIMENSION (O.DxWxI.D)	MM	180x13x31.75	355x25x127	355X38X127	355x50x127					
SPINDLE MOTOR	KW	2.2		3.75	7.5 (11)					
SPINDLE SPEED	RPM	3000	1500							
WEIGHT	TON	1.5	1.9	3	6	6.2	7	7.5	9	13
PROVEN QUALITY PRECISION SURFACE GRINDERS FOR RELIABLE USE.										

PROVEN QUALITY PRECISION SURFACE GRINDERS FOR RELIABLE USE.



QUICK SPEC:

- 750x1500MM - 1500x6000MM MAGNET
- HIGH PRECISION
- WITH AUTO DOWN FEED
- OPTIONAL CNC CONTROLLER

PRECISION SURFACE GRINDERS

1000X2000MM MAGNET

PROTH PRECISION SURFACE GRINDERS

PRECISE AND RELIABLE GRINDING MACHINES



FOR 30% HIGHER PRODUCTION
FIT A DRO SYSTEM



PSGO-75220
750X2200MM MAGNET

PSGO-SERIES
OVER-ARM TYPE SURFACE GRINDER
GRINDING CAPACITY
- 750MM CROSS
- 1500-3000MM LONGITUDINAL

SHOWN WITH AUTOMATIC DOWN FEED

PSGP-150500

1500x5000MM MAGNET
SHOWN WITH CNC CONTROL

PSGP-SERIES
BRIDGE TYPE SURFACE GRINDER
GRINDING CAPACITY
- 750-1500MM CROSS
- 1500-6000MM LONGITUDINAL
SHOWN WITH CNC CONTROLLER



HEAVY DUTY SURFACE GRINDERS

PRECISION SURFACE GRINDERS					
SERIES		PSGO-SERIES	PSGP-SERIES		
MODELS (NAMED BY THE DEPTH OF THE MAG CHUCK)		OVERARM TYPE	BRIDGE TYPE		
		75 (750MM)	100 (1000MM)	120 (1200MM)	150 (1500MM)
SURFACE OF TABLE/MAGNET	MM		1000x1500	1200x1500	
			1000x2000	1200x2000	1500x2200
		750x1500	1000x2500	1200x2500	1500x2500
		750x2200	1000x3000	1200x3000	1500x3000
			1000x4000	1200x4000	1500x4000
		750x3000	1000x5000	1200x5000	1500x5000
		1000x6000	1200x6000	1500x6000	
SPINDLE TO TABLE	MM	700 (950opt)	0-750		
HYDRAULIC TABLE SPEED	M/MIN	1-25			
CROSS FEED STEP (ELEC-TRO-MECHANICAL)	MM	0.1-15 PER/STEP 2000MM/MIN FEED	0.1-35 PER/STEP	MIN FEED	3000MM/
WHEEL DIMENSION (Ø.DxWxL.D)	MM	355x50x127	510x100x203		
SPINDLE MOTOR	KW	7.5 (11)	11 (18 opt)		
SPINDLE SPEED	RPM	1150			
PROVEN QUALITY PRECISION SURFACE GRINDERS FOR RELIABLE USE					



CYLINDRICAL GRINDERS

UNIVERSAL AND EXTERNAL GRINDING

200 - 800MM DIAMETER

QUICK SPEC:

- CYLINDRICAL GRINDER
- 200 - 800MM GRINDING O/D
- CNC AND CONVENTIONAL

GU-SERIES

UNIVERSAL CYLINDRICAL GRINDER

- 200 - 630MM OD GRINDING
- 13 - 250MM ID GRINDING
- 500 - 5000MM GRINDING LENGTH



GU-SERIES UNIVERSAL CYLINDRICAL GRINDERS					
MODEL		GU20	GU32	GU50	GU63
MAX.GRINDING LENGTH (O.D)	MM	500/750	1000,1500, 2000,3000	1500,2000, 3000,4000	2000,3000, 4000,5000
CENTER HEIGHT	MM	125	180	270	370
GRINDING DIA. (O.D)	MM	5-200	8-320	25-500	30-630
MAX WORKPIECE WEIGHT	KG	100	150 (500 OPT.)	1000(2000OPT)	3000
TAPER- HEAD/TAILOCK	MT	MT4/MT4	MT5/MT4	MT6/MT6	80# /80#
ROTATION SPEED OF WORK PIECE	RPM (VARIABLE)	25-380	25-220	20-224	14-140
EXTERNAL GRINDING WHEEL SPEED	RPM	1670		665/1330	550/1100
INTERNAL GRINDING WHEEL SPEED	RPM	10 000/15 000		10 000	
HAND FEED PER. REV/GRAD	MM	ROUGH:2 FINE:0.5 / ROUGH:0.01 FINE:0.0025		ROUGH:4 FINE:0.5 / ROUGH:0.02 FINE:0.0025	
EXTERNAL GRINDING WHEEL	MM	400x50x203		500x75x305	600x75x305
INTERNAL GRINDING WHEEL	MM	MIN17x20x6 - MAX 50x25x13		MIN30x25x10 - MAX 175x32x32	
LONGITUDINAL TABLE SPEED	M/MIN	0.1-4		0.1-3	0.1-2.5
MOTOR HEADSTOCK/EXT./INT.	KW	1.1/4/1.1	1.5/5.5/1.1	4/7.5/1.5	15/11/1.5

GE-SERIES

EXTERNAL CYLINDRICAL GRINDER

- 200 - 800MM OD GRINDING
- 500 - 5000MM GRINDING LENGTH

SPECIAL ORDER:

- 1000 - 2000MM OD GRINDING
- CUSTOM GRINDING LENGTH



ALSO AVAILABLE IN CNC



GE-SERIES EXTERNAL CYLINDRICAL GRINDERS							
MODEL		GE20	GE32	GE50	GE50H	GE63	GE80
MAX.GRINDING LENGTH (O.D)	MM	500/750	1000,1500, 2000,3000	1500,2000, 3000,4000	3000,4000	2000,3000,4000,5000	
CENTER HEIGHT	MM	135	180	270		370	500
GRINDING DIA. (O.D)	MM	5-200	8-320	25-500		30-630	50-800
MAX WORKPIECE WEIGHT	KG	100	150 (500 OPT.)	1000	2000	3000	
TAPER- HEAD/TAILSTOCK	MT	MT4/MT4	MT5/MT4	MT6/MT6		(METRIC) 80# / 80#	
SPINDLE SPEED OF WORK PIECE	RPM	25-380 STEPLESS					
GRINDING WHEEL SPEED	RPM	1335	1100	870			
HAND FEED PER. REV/GRAD	MM	ROUGH:2 FINE:0.5 / ROUGH:0.01 FINE:0.0025					
GRINDING WHEEL SIZE	MM	500x50x203		600x63x305	750x75x305		
LONGITUDINAL TABLE SPEED	M/MIN	0.1-4		0.1-3		0.1-2.5	
QUILL TRAVEL	MM	30		70			
MOTOR HEAD/WHEEL	KW	1.1/5.5	1.5/11	4/15	7.5/15	15/22	



QUICK SPEC:

- 125MM SLOTTING ATTACHMENT
- 200 - 350MM SLOTTING MACHINES

SLOTTING MACHINES

MECHANICAL STROKING SLOTTERS

125 - 350MM CAPACITY

SL-SERIES SLOTTING MACHINES

INDUSTRIAL GRADE STROKING SLOTTERS

- AVAILABLE AS CONVENTIONAL, WITH DRO, NC AND CNC CONTROLLED



SL-125

SLOTTING ATTACHMENT FOR
TURRET MILL



SL-200

200MM SLOTTING MACHINE



SL-350

350MM SLOTTING MACHINE

SLOTTERS WITH STROKES UP TO 1250MM CAN BE SUPPLIED.
AVAILABLE WITH DRO, NC OR CNC-CONTROLS



Student Model Available
Designed For Student Training.

STANDARD SLOTTING MACHINES

SL-SERIES SLOTTING MACHINES

MODEL		SL-125ATT	SL-125	SL-200	SL-300	SL-350
		SLOTTING ATTACHMENT	SQUARE TABLE SLOTTER	ROUND TABLE SLOTTER	ROUND TABLE SLOTTER	ROUND TABLE SLOTTER
RAM STROKE	MM	125	125	200	300	350
RAM ADJUSTMENT	MM	FIXED	200	220	320	320
RAM STROKES PER MIN	STROKE/ MIN	30, 47, 69, 98, 140	30, 47, 69, 98, 140	22, 26, 31, 39, 44, 52, 61, 78	22, 26, 31, 39, 44, 52, 61, 78	22, 26, 31, 39, 44, 52, 61, 78
HEADS TILTING ANGLE	DEG.	FIXED	+30 -30	+30 -30	+30 -30	+30 -30
MAX. HEIGHT ON TABLE	MM	DEPENDS ON THE TURRET MILL IT IS FITTED TOO.	420	300	365	470
RAM TO COLUMN	MM		280	355	510	560
WORKTABLE	MM		815X240	400 DIA.	560 DIA.	560 DIA.
TABLE TRAVEL	MM (X)		400	250	460	460
	MM (Y)		300	250	460	460
MOTOR	KW	0.5	0.5	1.5	3.75	3.75
DIMENSION(L*W*H)	MM	900x900x350	1220x1090x2140	1260x810x1730	1880x1110x1960	1880x1110x2110
WEIGHT	KG	100	650	800	1650	1750

HIGH-TECH STROKING SLOTTERS WITH MANY OPTIONS.



JENNYING MACHINES

MANUAL AND MOTORISED

1 - 4MM MATERIAL THICKNESS

QUICK SPEC:

- 1-4MM MATERIAL THICKNESS
- MANUAL OR MOTORIZED

JENNYING MACHINES

PROVEN QUALITY INDUSTRIAL GRADE JENNYING MACHINES.



SLH-10

MANUAL JENNYING MACHINE

- UP TO 1MM MILD STEEL
- LOAD SHEDDING MODEL.

SLX-18

MOTORIZED JENNYING MACHINES

- UP TO 1.8MM MILD STEEL CAPACITY



SLX-30

HEAVY DUTY JENNYING MACHINES

- UP TO 3MM MILD STEEL CAPACITY

STANDARD JENNYING MACHINES

STANDARD INDUSTRIAL GRADE JENNYING MACHINES

MODEL		SLH-10	SLX-18	SLX-30	SLX-40
MACHINE TYPE		MANUAL	MOTORIZED	MOTORIZED	MOTORIZED
MATERIAL CAPACITY	MM	1	1.8	3	3
MOTOR	KW	NONE	1.5	2.2	2.2
WEIGHT	KG	50	145	400	400

3 SETS OF ROLLS INCLUDED

INDUSTRIAL GRADE JENNYING MACHINES.



QUICK SPEC:

- 1-1.5MM MATERIAL THICKNESS
- 7-STAGE PITTSBURG LOCKFORMER
- 5-STAGE WITH FLANGER

LOCKFORMERS AND FLANGERS

ROLL FORMERS FOR DUCT WORK

LOCKFORMERS AND FLANGERS

PROVEN QUALITY INDUSTRIAL GRADE MACHINES.



SLC-12M

8-STAGE PITTSBURG TYPE LOCKFORMER
- UP TO 1.2MM MILD STEEL CAPACITY

SLC-12DR

5-STAGE LOCKFORMER WITH FLANGER
- UP TO 1.2MM MILD STEEL CAPACITY



SR-10

FLANGING MACHINE
- UP TO 1MM THICK MATERIAL

STANDARD LOCKFORMERS AND FLANGERS

STANDARD LOCKFORMERS AND FLANGERS						
MODEL		SLC-12	SLC-15	SLX-20	SR-10	SR-15
TYPE		LOCKFORMER	LOCKFORMER	LOCKFORMER	FLANGER	FLANGER
STAGES	ROLLS	7-9	8	9	1	1
MATERIAL CAPACITY	MM	0.5-1.2	0.7-1.5	1-2	0.5-1	0.7-1.5
FORMS		SEE FORM CHART				
MOTOR	KW	1.5-4	2.2	3	1.1	1.1
PITTSBURG, DRIVE CLEAT, S-DRIVE,						
MULTI STAGE LOCKFORMERS						



HYDRAULIC NOTCHERS

FIXED OR VARIABLE ANGLE

QUICK SPEC:

- 90 DEG AND VARIABLE ANGLE
- 4-6MM THICK MATERIAL
- UP TO 250X250MM NOTCH

STANDARD HYDRAULIC NOTCHERS

HIGH QUALITY HYDRAULIC NOTCHING MACHINES FOR THICKER MATERIALS.
- FIXED AND VARIABLE NOTCHING ANGLE



90 DEG. FIXED ANGLE

SNH-6x250

FIXED ANGLE HYDRAULIC NOTCHER

- 90 DEG. NOTCH ANGLE
- UP TO 6MM THICK PLATE
- UP TO 250x250MM NOTCH

40-130 DEG. VARIABLE ANGLE

SNV-4x200

FIXED ANGLE HYDRAULIC NOTCHER

- 40-130 DEG. NOTCH ANGLE
- UP TO 4MM THICK PLATE
- UP TO 200x200MM NOTCH

40-130 DEG. NOTCH/ANGLE



STANDARD HYDRAULIC NOTCHING MACHINES

MODEL	MIN NOTCHING THICKNESS (MM)		MAX NOTCHING THICKNESS (MM)		MIN NOTCHING ANGLE (°)	MAX NOTCHING ANGLE (°)	WEIGHT (KG)	DIMENSION (MM)
	MILD STEEL	STAINLESS STEEL	MILD STEEL	STAINLESS STEEL				
FIXED ANGLE SNH-6x250	0.5	0.5	6	3	90	90	765	660x900x1050
VARIABLE ANGLE SNV-4x200	0.5	0.5	4	2	40	130	1055	970x1100x1200



QUICK SPEC:

- 1.5-4MM THICK MATERIAL
- 1300-3000MM MATERIAL WIDTH
- ELECTRIC OR PEOPLE POWER

MECHANICAL GUILLOTINES

TREADLE AND ELECTRO MECHANICAL

STANDARD MECHANICAL GUILLOTINES

PROVEN QUALITY INDUSTRIAL GRADE MECHANICAL GUILLOTINES, RIDGED
FABRICATED FRAMES

TREADLE GUILLOTINE



TREADLE TYPE GUILLOTINE
- AVAILABLE IN 1320 AND 2500MM CUT LENGTH
- 1.5MM MATERIAL CUTTING CAPACITY

SGT-1.5x1320

TREADLE TYPE MECHANICAL
GUILLOTINE 1.5x1320MM CAPACITY

- FOOT POWERED
- MANUAL MATERIAL CLAMPING
- MANUAL BACK GAUGE

ALSO AVAILABLE IN 1.5x2500MM

ELECTRO-MECHANICAL GUILLOTINE



MOTORISED TYPE GUILLOTINE
- AVAILABLE IN 1320 AND 2500MM
- 3-4MM MATERIAL CUTTING CAPACITY

SGM-4x2500

ELECTRO-MECHANICAL GUILLOTINE
4x2500MM CAPACITY

- AUTO MATERIAL HOLD DOWNS
- MECHANICAL KEY

ALSO AVAILABLE IN 3x1300MM

STANDARD MECHANICAL GUILLOTINES

STANDARD MECHANICAL GUILLOTINES						
MODEL			SGT-1.5x1300	SGT-1.5x2500	SGM-3x1300	SGM-4x2500
GUILLOTINE TYPE			TREADLE	TREADLE	MOTORIZED	MOTORIZED
CUTTING	MILD STEEL	MM	0.5-1.5	0.5-1.5	0.5-3	0.5-4
	STAINLESS STEEL	MM	0.6	0.6	0.5-1.5	0.5-2
CUTTING LENGTH		MM	1300	2500	1300	1300
CUTTING ANGLE		DEG	1.5	1.5	1.3	1.3
MOTOR		KG	NONE	NONE	3	5.5
WEIGHT		KG	400	1000	1030	2660

INDUSTRIAL GRADE MECHANICAL GUILLOTINES.



ACL HYDRAULIC GUILLOTINES

4-32MM CUTTING CAPACITY

QUICK SPEC:

- EUROPEAN DESIGNED
- 4-32MM CUTTING CAPACITY
- 2500 - 6100MM CUTTING LENGTH
- NC OR CNC CONTROL

ACL QC12Y-SERIES

PROVEN QUALITY EUROPEAN DESIGNED SWING BEAM HYDRAULIC GUILLOTINES, HIGHEST QUALITY BUILD WITH BIG BRAND EUROPEAN COMPONENTS.



QC12Y-6x3200

HYDRAULIC GUILLOTINE WITH
MOTORIZED NC BACK GAUGE

- 6MM CUTTING CAPACITY
- 3200MM CUTTING LENGTH
- ESTUN BACKGAUGE CONTROL
- PRECISION MOTORIZED BACKGAUGE
- AUTO HOLD DOWNS
- ROLLERS ON FRONT LOADING SUPPORTS
- EUROPEAN ELECTRICS AND HYDRAULICS

EUROPEAN QUALITY AND DESIGN

STANDARD ACCESSORIES:



ESTUN E10 BACK
GAUGE CONTROLLER



PRECISION MOTORIZED
BACKGAUGE

ACL HYDRAULIC GUILLOTINES

QC12Y-SERIES HYDRAULIC GUILLOTINES										
MODEL		QC12Y-	4	6	8	12	16	20	25	32
CUTTING LENGTH		M	2.5-6							
CUTTING	MILD STEEL	MM	4	6	8	12	16	20	25	32
	STAINLESS STEEL	MM	2	3	4	7	9	12	15	18
BACKGAUGE TRAVEL		MM	600	800				1000		
CUTTING ANGLE		DEG	1.5				2.5			3.5
THROAT DEPTH		MM	250			320				320
MOTOR		KW	7.5-11	7.5-11	11	18.5	22	37	45	55
WEIGHT		TON	4.8-16	5.5-18	6-22	9.5-33	12-46	18-25	19-32	35-46
SWING BEAM HYDRAULIC GUILLOTINE WITH NC-BACKGAUGE CONTROLLER										
- NITROGEN BLADE RETURN										
- ESTUN E-10 BACKGAUGE CONTROLLER AND DRO										
- BIG BRAND EUROPEAN COMPONENTS										
AVAILABLE IN CONVENTIONAL AND CNC...										



QUICK SPEC:

- 4-32MM CUTTING CAPACITY
- 2500 - 6100MM CUTTING LENGTH
- NC OR CNC CONTROL

STANDARD HYDRAULIC GUILLOTINES

4-32MM CUTTING CAPACITY



Student Model Available
Designed For Student Training.

STANDARD SGH-SERIES

QUALITY SWING BEAM HYDRAULIC GUILLOTINES, BUILT TO OUR HIGH
STANDARD WITH QUALITY COMPONENTS.

SHEET METAL EQUIPMENT BUILT TO SOUTH AFRICAN STANDARDS.

SGH-6.5x1300S

**HYDRAULIC GUILLOTINE WITH
MOTORIZED BACK GAUGE**

- 6.5MM CUTTING CAPACITY
- 1300MM CUTTING LENGTH
- MOTORIZED BACKGAUGE
- AUTO HOLD DOWNS
- ROLLERS ON FRONT LOADING SUPPORTS
- BUILT SOUTH AFRICAN QUALITY**



SGH-6x3200

**HYDRAULIC GUILLOTINE WITH
MOTORIZED NC BACK GAUGE**

- 6MM CUTTING CAPACITY
- 3200MM CUTTING LENGTH
- ESTUN BACKGAUGE CONTROL
- PRECISION MOTORIZED BACKGAUGE
- AUTO HOLD DOWNS
- ROLLERS ON FRONT LOADING SUPPORTS
- EUROPEAN ELECTRICS AND HYDRAULICS
- BUILT SOUTH AFRICAN QUALITY**



STANDARD HYDRAULIC GUILLOTINES

SGH-SERIES HYDRAULIC GUILLOTINES

MODEL		SGH-	4.5S	6.5S	4	6	8	12	16	20	25	32
CUTTING LENGTH		M	2	1.3	2.5-6							
CUTTING	MILD STEEL	MM	4.5	6.5	4	6	8	12	16	20	25	32
	STAINLESS STEEL	MM	2	3	2	3	4	7	9	12	15	18
BACKGAUGE TRAVEL		MM	630		600	800				1000		
CUTTING ANGLE		DEG	2.5		1.5				2.5			3.5
THROAT DEPTH		MM	N/A		250				320			320
MOTOR		KW	7.5	5.5	7.5-11	7.5-11	11	18.5	22	37	45	55
WEIGHT		TON	3	2.5	4.8-16	5.5-18	6-22	9.5-33	12-46	18-25	19-32	35-46

SWING BEAM HYDRAULIC GUILLOTINE WITH NC-BACKGAUGE CONTROLLER

- NITROGEN BLADE RETURN
- ESTUN E-10 BACKGAUGE CONTROLLER AND DRO
- WELL KNOWS LOCALLY AVAILABLE COMPONENTS

AVAILABLE IN CONVENTIONAL AND CNC... ASK US ABOUT OUR MACHINES.

STANDARD
GUILLOTINES



BOX AND PAN FOLDERS

1.5 - 2.5MM MATERIAL THICKNESS
1250 - 2500MM BEND LENGTH

QUICK SPEC:

- 1.5-2.5MM MATERIAL THICKNESS
- 1280-2500MM BENDING LENGTH

BOX+PAN FOLDERS

QUALITY FABRICATED MANUAL FOLDERS WITH PRECISION GROUND TOOLING
- HIGH RIGIDITY FABRICATED FRAME



SFF-SERIES FOOT LOCKING TYPE

SFF-2x1280

FOOT LOCKING TYPE BOX AND PAN FOLDER

- 2MM MATERIAL THICKNESS
- 1280MM SHEET WIDTH
GREAT FOR 1 PERSON OPERATION

ALSO AVAILABLE IN

- 1.5 + 2.5MM MATERIAL THICKNESS
- 1280 - 2020MM BEND LENGTH

SFS-SERIES SIDE/GEAR LOCK TYPE

SFS-1.5x2500

SIDE LOCK TYPE BOX AND PAN FOLDER

- 1.5MM MATERIAL THICKNESS
- 2500MM SHEET WIDTH

ALSO AVAILABLE IN

- 1.5 + 2.5MM MATERIAL THICKNESS
- 1300 - 2500MM BEND LENGTH



STANDARD BOX AND PAN FOLDERS

WS-SERIES BOX+PAN FOLDERS

MODEL		SFF-2x1260	SFF-1.5x2060	SFS-1.5x1320	SFS-1.5x2500	SFS-2.5x2500
SHEET CLAMPING TYPE		FOOT LOCK	FOOT LOCK	GEAR LOCK	GEAR LOCK	GEAR LOCK
WORKING LENGTH	MM	1260	2060	1320	2500	2500
FOLDING CAPACITY	MM	2	1.5	1.5	1.5	2.5
MAX FOLDING ANGLE	DEG	60°	60°	60°	60°	60°
WEIGHT	KG	330	1050	450	1100	1500

INDUSTRIAL GRADE BOX+PAN FOLDING MACHINES...



QUICK SPEC:

- 40-320 TON CAPACITY
- 2000-6100MM BENDING LENGTH
- WITH DRO OR 2-AXIS NC CONTROL

ACL HYDRAULIC PRESS-BRAKES

50-320TON TORSION SYNCRONISED

ACL WA67Y-SERIES

EUROPEAN DESIGNED HYDRAULIC PRESSBRAKES, BUILT TO EUROPEAN STANDARD WITH QUALITY BIG BRAND EUROPEAN COMPONENTS.



AVAILABLE WITH
2-AXIS DRO
OR
2-AXIS NC SYSTEM

SHOWN WITH DNC-60
2-AXIS CONTROL

WA67Y-80x3200

CONVENTIONAL OR SIMPLE 2-AXIS
NC PRESSBRAKE

- TORSION BAR SYNCHRONISED
- 80TON CAPACITY
- 3200MM BENDING LENGTH
- 2-AXIS DRO OR SIMPLE NC-CONTROL
- MOTORIZED BACK GAUGE
- HYDRAULIC TABLE CROWNING



CYBELEC HIGH PERFORMANCE CNC
CONTROLLERS OFFER RELIABLE LOW
MAINTENANCE CONTROL

ACL HYDRAULIC PRESSBRAKES

ACL WA67Y-SERIES CONVENTIONAL AND SIMPLE 2-AXIS CNC PRESSBRAKES

2-AXIS DRO OR SIMPLE 2-AXIS DNC CONTROL

MODEL	WA67Y-	40	63	80	125	160	200	250	320
BENDING LENGTH	M	1.5	2.5/3.2/4		2.5/3.2/4/5.1/6.1				
PRESSURE	TON	40	63	80	125	160	200	250	320
BETWEEN COLUMNS	M	1.2	2/2.7/3.6		2/2.7/3.6/4.6/5.6				
BACKGAUGE TRAVEL	MM	600-800				800		1000	
THROAT DEPTH	MM	220	250		350		400		
MOTOR	KW	4	5.5		7.5	11	15	18.5	22
WEIGHT	TON	3	4-5		7-18	8.2-19.7	10.5-24	12.4-25	17-32

EXPLANATION OF CONTROLLABLE AXIS:

- X-AXIS - BACK GAUGE CONTROL (THE BACK GAUGE IS LOCKED PARALLEL TO THE TOOL)
- Y-AXIS - TOP BEAM AXIS (BEND DEPTH - BEAM IS KEPT PARRALLEL BY TORSION BAR SO BOTH SIDES ACT AS ONE)
- 2-AXIS PRESSBRAKES USE HYDRAULIC TABLE CROWNING OR QUICK ACTION TOP TOOLING SYSTEM TO COMPENSATE FOR BEND IRREGULARITIES.

AVAILABLE IN WITH 4-9AXIS CONTROL FOR COMPLEX BENDING...

ACL
PRESSBRAKES

ACL HIGH PERFORMANCE CNC HYDRAULIC PRESSBRAKES

50-320TON WITH 4-9 AXIS CNC CONTROL

QUICK SPEC:

- 400-2000TON BENDING PRESSURE
- 2500-6000 MM BENDING LENGTH
- MACHINES CAN BE TANDEM-LINKED

PSH-SERIES

HIGH PERFORMANCE CNC PRESSBRAKES, EUROPEAN DESIGN AND COMPONENTS.

- 40-320TON CAPACITY
- 4-9AXIS CNC CONTROLLED WITH OPTION OF ROBOT LOADER.
- WE CAN OFFER A HOST OF PERFORMANCE OPTIONS FROM AROUND THE WORLD.



AVAILABLE WITH
4-9AXIS CNC SYSTEM

PSH-125x3200

CNC SYNCHRONIZED HYDRAULIC PRESSBRAKE

- 125TON BENDING PRESSURE
- 3200MM BEND LENGTH
- MOTORIZED BACKGAUGE WITH DRO

STANDARD AXIS-Y1,Y2,X,V-AXIS



CYBELEC HIGH PERFORMANCE CNC CONTROLLERS
OFFER RELIABLE LOW MAINTENANCE CONTROL.

ACL 4-9AXIS CNC PRESSBRAKE

ACL PSH-SERIES COMPLEX CNC PRESSBRAKES									
4-9AXIS CNC CONTROLLED									
MODEL	PSH-	40	63	80	125	160	200	250	320
BENDING LENGTH	M	1.5	2.5/3.2/4		2.5/3.2/4/5.1/6.1				
PRESSURE	TON	40	63	80	125	160	200	250	320
BETWEEN COLUMNS	M	1.2	2/2.7/3.6		2/2.7/3.6/4.6/5.6				
BACKGAUGE TRAVEL	MM	600-800				800		1000	
THROAT DEPTH	MM	220	250		350		400		
MOTOR	KW	4	5.5		7.5	11	15	18.5	22
WEIGHT	TON	3	4-5		7-18	8.2-19.7	10.5-24	12.4-25	17-32

EXPLANATION OF CONTROLLABLE AXIS:

- X1,X2-AXIS - INDEPENDANT BACK GAUGE (EACH SIDE OF THE BACK GAUGE IS AN AXIS)
- Y1,Y2-AXIS - INDEPENDANT HYDRAULIC BEAM (EACH SIDE OF TOP BEAM IS AN AXIS)
- R-AXIS - BACKGAUGE HIGHT CONTROL
- R1,R2 - INDEPENDANT BACK GAUGE HEIGHT CONTROL (EACH SIDE OF THE BACK GAUGE IS AN AXIS)
- V-AXIS - HYDRAULIC TABLE CROWNING
- W-AXIS - HIGH PRECISION MECHANICAL TABLE CROWNING

AVAILABLE IN WITH 4-9AXIS CONTROL FOR COMPLEX BENDING



QUICK SPEC:

- 400-2000TON BENDING PRESSURE
- 2500-6000 MM BENDING LENGTH
- MACHINES CAN BE TANDEM -LINKED

ACL HEAVY DUTY CNC PRESS-BRAKES

400 - 1650TON WITH 4-9 AXIS CNC CONTROLS



PSH-HEAVY SERIES

HIGH TECH EXTRA AND ULTRA HEAVY DUTY HYDRAULIC PRESSBRAKES

- 400-2000+TON CAPACITY
- HIGHLY CUSTOMISABLE
- BEST BRAND COMPONENTS

PSH-600/4000

4-AXIS HEAVY DUTY PRECISION
HYDRAULIC PRESSBRAKE

- 600TON BENDING PRESSURE
- 4 000MM BENDING LENGTH

PSH-1000/5000T

TANDEM HEAVY DUTY 4-AXIS
HYDRAULIC PRESSBRAKES

- 2 x 1 000TON HYDRAULIC PRESSBRAKES
- 10 000MM BENDING LENGTH



HAPPY CUSTOMERS ACCEPT'S
PSH-1250x5000 HYDRAULIC PRESSBRAKE

AVAILABLE WITH
4-9AXIS CNC SYSTEM

ACL HEAVY DUTY CNC PRESSBRAKES

ACL HEAVY DUTY HYDRAULIC PRESSBRAKES

4-9AXIS CNC CONTROLLED

MODEL	PSH-	400	500	600	800	1000	1250	1650	CUSTOM
BENDING LENGTH	MM	3200-8000			4000-8000		5000-8000	6000-8000	CUSTOM
PRESSURE	TON	400	500	600	800	1000	1250	1650	CUSTOM
BETWEEN COLUMNS	M	2.7-6.6			3.3-6.6		4-6.6	5-6.6	CUSTOM
THROAT DEPTH	MM	400	450	500	600	800			CUSTOM
MOTOR	KW	30	37	45	2x37	2x45	2x45	2x55	CUSTOM
WEIGHT	TON	25-50	33-60	48-69	65-110	94-110	115-160	170-210	CUSTOM

EXPLANATION OF CONTROLLABLE AXIS:

- X1,X2-AXIS - INDEPENDANT BACK GAUGE (EACH SIDE OF THE BACK GAUGE IS AN AXIS)
- Y1,Y2- AXIS - INDEPENDANT HYDRAULIC BEAM (EACH SIDE OF TOP BEAM IS AN AXIS)
- R-AXIS - BACKGAUGE HIGHT CONTROL
- R1,R2 - INDEPENDANT BACK GAUGE HEIGHT CONTROL (EACH SIDE OF THE BACK GAUGE IS AN AXIS)
- V-AXIS - HYDRAULIC TABLE CROWNING
- W-AXIS - HIGH PRECISION MECHANICAL TABLE CROWNING

AVAILABLE IN WITH 4-9AXIS CONTROL FOR COMPLEX BENDING. ASK US ABOUT A MACHINE.

70

ACL
PRESSBRAKES



SPH-SERIES HYDRAULIC PRESSBRAKES

40 - 320TON CAPACITY

QUICK SPEC:

- 400-2000TON BENDING PRESSURE
- 2500-6000 MM BENDING LENGTH
- MACHINES CAN BE TANDEM -LINKED

STANDARD SPH-SERIES 40-320TON

QUALITY SWING BEAM HYDRAULIC GUILLOTINES, BUILT TO OUR HIGH STANDARD WITH QUALITY COMPONENTS.

1. CONVENTIONAL TORSION BAR SYNCHRONIZED PRESSBRAKES WITH DRO SYSTEMS OR 2-AXIS NC CONTROL
2. CNC CONTROLLED ELECTRONICALLY SYNCHRONIZED ON ALL 4+AXIS CNC PRESSBRAKES

SHEET METAL EQUIPMENT BUILT TO SOUTH AFRICAN STANDARDS.

SPH-125x3200

HYDRAULIC TORSION SYNCHRONIZED PRESSBRAKE

- 125TON BENDING PRESSURE
- 3200MM BEND LENGTH
- MOTORIZED BACKGAUGE WITH DRO



Student Model Available
Designed For Student Training.



**AVAILABLE WITH 2-AXIS DRO
OR
2-6AXIS CNC SYSTEM**

**SHOWN WITH 2-AXIS SIMPLE
NC-CONTROL**

STANDARD HYDRAULIC PRESSBRAKES

STANDARD SPH-SERIES CONVENTIONAL OR CNC PRESSBRAKES

2-6AXIS CNC CONTROLLED

MODEL	SPH-	40	63	80	125	160	200	250	320
BENDING LENGTH	M	1.5	2.5/3.2/4		2.5/3.2/4/5.1/6.1				
PRESSURE	TON	40	63	80	125	160	200	250	320
BETWEEN COLUMNS	M	1.2	2/2.7/3.6		2/2.7/3.6/4.6/5.6				
BACKGAUGE TRAVEL	MM	600-800				800		1000	
THROAT DEPTH	MM	220	250		350		400		
MOTOR	KW	4	5.5		7.5	11	15	18.5	22
WEIGHT	TON	3	4-5		7-18	8.2-19.7	10.5-24	12.4-25	17-32

EXPLANATION OF CONTROLLABLE AXIS:

2-AXIS CONVENTIONAL OR SIMPLE NC MODELS

- X-AXIS - BACK GAUGE CONTROL (THE BACK GAUGE IS LOCKED PARALLEL TO THE TOOL)
- Y-AXIS - TOP BEAM AXIS (BEND DEPTH - BEAM IS KEPT PARALLEL BY TORSION BAR SO BOTH SIDES ACT AS ONE)
- 2-AXIS PRESSBRAKES USE HYDRAULIC TABLE CROWNING OR QUICK ACTION TOP TOOLING SYSTEM TO COMPENSATE FOR BEND IRREGULARITIES.

3-6 AXIS CNC MODELS

- X1,X2-AXIS - INDEPENDANT BACK GAUGE (EACH SIDE OF THE BACK GAUGE IS AN AXIS)
- Y1,Y2- AXIS - INDEPENDANT HYDRAULIC BEAM (EACH SIDE OF TOP BEAM IS AN AXIS)
- R-AXIS - BACKGAUGE HIGHT CONTROL
- R1,R2 - INDEPENDANT BACK GAUGE HEIGHT CONTROL (EACH SIDE OF THE BACK GAUGE IS AN AXIS)
- V-AXIS - HYDRAULIC TABLE CROWNING
- W-AXIS - HIGH PRECISION MECHANICAL TABLE CROWNING

AVAILABLE IN WITH 4-9AXIS CONTROL FOR COMPLEX BENDING.



QUICK SPEC:

- 400-2000TON BENDING PRESSURE
- 2500-6000 MM BENDING LENGTH
- MACHINES CAN BE TANDEM -LINKED

SPH-SERIES HYDRAULIC PRESSBRAKES

400-2500TON BENDING CAPACITY

STANDARD SPH-SERIES 400-2500TON

QUALITY SWING BEAM HYDRAULIC GUILLOTINES, BUILT TO OUR HIGH STANDARD WITH QUALITY COMPONENTS.

1. CONVENTIONAL TORSION BAR SYNCHRONIZED PRESSBRAKES WITH DRO SYSTEMS OR 2-AXIS NC CONTROL UP TO 1000TON
2. CNC CONTROLLED ELECTRONICALLY SYNCHRONIZED ON ALL 4+AXIS CNC PRESSBRAKES UP TO 1650TON

SHEET METAL EQUIPMENT BUILT TO SOUTH AFRICAN STANDARDS.

SPT-1800x18000



INCREASE THE LENGTH BY PUTTING MULTIPLE SPH-MACHINES IN TANDEM

AVAILABLE WITH 2-AXIS DRO
OR
2-6AXIS CNC SYSTEM

SPH-600x6000

HEAVY DUTY HYDRAULIC PRESSBRAKES SET IN TANDEM

- 600TON BENDING PRESSURE
- 6000MM BEND LENGTH
- MOTORIZED BACKGAUGE WITH CNC CONTROL

AVAILABLE IN
CONVENTIONAL OR CNC CONTROLLED
4/9AXIS CNC CONTROLLED

SPT-1800x18000

3x HEAVY DUTY HYDRAULIC PRESSBRAKES SET IN TANDEM

- 3x600TON BENDING PRESSURE
- 3x6000MM BEND LENGTH
- MOTORIZED BACKGAUGE WITH CNC CONTROL

AVAILABLE IN
CONVENTIONAL OR CNC CONTROLLED
4/9AXIS CNC CONTROLLED

STANDARD HEAVY AND EXTRA HEAVY PRESSBRAKES

STANDARD EXTRA HEAVY DUTY HYDRAULIC PRESSBRAKES

4-9AXIS CNC CONTROLLED

MODEL	SPH	400	500	600	800	1000	1250	1650	CUSTOM
BENDING LENGTH	MM	3200-8000			4000-8000		5000-12000	6000-12000	CUSTOM
PRESSURE	TON	400	500	600	800	1000	1250	1650	CUSTOM
BETWEEN COLUMNS	M	2.7-6.6			3.3-6.6		4-6.6	5-6.6	CUSTOM
THROAT DEPTH	MM	400	450	500	600	800			CUSTOM
MOTOR	KW	30	37	45	2X37	2X45	2X45	2X55	CUSTOM
WEIGHT	TON	25-50	33-60	48-69	65-110	94-110	115-160	170-210	CUSTOM

EXPLANATION OF CONTROLLABLE AXIS:

- 2-AXIS PRESSBRAKES USE HYDRAULIC TABLE CROWNING OR QUICK ACTION TOP TOOLING SYSTEM TO COMPENSATE FOR BEND IRREGULARITIES.
- X1,X2-AXIS - INDEPENDANT BACK GAUGE (EACH SIDE OF THE BACK GAUGE IS AN AXIS)
- Y1,Y2-AXIS - INDEPENDANT HYDRAULIC BEAM (EACH SIDE OF TOP BEAM IS AN AXIS)
- R-AXIS - BACKGAUGE HEIGHT CONTROL
- R1,R2 - INDEPENDANT BACK GAUGE HEIGHT CONTROL (EACH SIDE OF THE BACK GAUGE IS AN AXIS)
- V-AXIS - HYDRAULIC TABLE CROWNING
- W-AXIS - HIGH PRECISION MECHANICAL TABLE CROWNING

AVAILABLE IN WITH 4-9AXIS CONTROL FOR COMPLEX BENDING... ASK US ABOUT A MACHINE.

STANDARD
PRESSBRAKES

MECHANICAL TYPE PYRAMID PLATEROLLS

1.5 - 25MM MATERIAL THICKNESS

QUICK SPEC:

- MECHANICAL PYRAMID TYPE
- 1.5 - 16MM PLATE THICKNESS
- FIXED GEOMETRY PLATEROLLS

STANDARD PRM3-SERIES MECHANICAL PLATEROLLS

PROVEN QUALITY MECHANICAL 3-ROLL PYRAMID ROLLERS.

MECHANICAL TOP ROLLER LIFT FOR EJECTING OF MATERIAL

1. SMALL ROLLERS HAVE A JENNYING ROLL ON END OF ROLLERS

2. BIGGER MODELS OVER 4MM CAPACITY HAVE SECTION ROLLERS ON END OF ROLLS

PRM3-1.5x1300

MOTORIZED 3-ROLL PLATE ROLLER

- 1.5 MATERIAL THICKNESS
- 1300MM SHEET WIDTH

AVAILABLE IN
MANUAL OR MOTORIZED



ALSO AVAILABLE
IN MANUAL
- SAME ROLLS JUST
WITHOUT THE
ELECTRIC MOTOR



Student Model Available
Designed For Student Training.



JENNYING ROLLS ON
END OF ROLLERS

PRM3-10x2500

MECHANICAL MOTORIZED PYRAMID
TYPE 3-ROLL PLATE ROLLER

- 10MM MATERIAL THICKNESS
- 2500MM SHEET WIDTH

SECTION ROLLER ON
END OF ROLLERS



MECHANICAL PYRAMID PLATE ROLLERS

PRM3-SERIES MECHANICAL PYRAMID ROLLER

MODEL	PRM-	1.5X1300	1.5X1300	4X1300	6X2500	8X2500	10X2500	12X2500	16X2500
ROLLER TYPE		MANUAL	MOTORIZED	MECHANICAL MOTORIZED					
PLATE THICKNESS	MM	1.5	1.5	4	6	8	10	12	16
WIDTH	MM	1300			OPTIONAL LENGTHS: 1300/3000/4000/6000				
MIN.DIA FULL CAPACITY	MM	100	100	145	250	280	400	550	600
TOP ROLL DIA.	MM	72	72	135	220	230	250	280	300
BOTTOM ROLLS DIA.	MM	72	72	110	210	210	190	280	300
MOTOR	KW	NONE	1.5	3/1.5	5.5/2.2	5.5/2.2	19.5	19.5	19.5
DIMENSIONS	MM	1800x550x1170	1800x550x1170	2400x700x1280	4380x980x1430	4380x980x1430	4380x980x1430	5000x1100x1430	5000x1300x1430
WEIGHT	KG	250	250	1125	4200	4300	6500	11000	13000

CLASS LEADING QUALITY.



QUICK SPEC:

- HYDRAULIC TYPE 3-ROLL
- INITIAL PINCH - TRAVELING TOP ROLL
- 12 - 200MM PLATE THICKNESS

3-ROLL NC PLATEROLLER

12 - 160MM MATERIAL CAPACITY WITH INITIAL PINCH

PRH3-SERIES NC HYDRAULIC PLATEROLLERS

QUALITY HYDRAULIC 3-ROLL PLATEROLLER WITH INITIAL/PRE-BEND.

- TOUCH SCREEN PLC CONTROL WITH DIGITAL READ OUT
- TRAVELING TOP ROLL DESIGN
- HYDRAULIC TOP ROLLER LIFT FOR EJECTING OF MATERIAL
- SUPPORTED BOTTOM ROLLERS



PRH3-12/3000

**3-ROLL INITIAL PINCH PLATE ROLLER
WITH NC CONTROL**
- 12MM THICK PLATE
- 3000MM WIDE PLATE

PRH3-100/3000

**3-ROLL INITIAL PINCH PLATE ROLLER
WITH NC CONTROL**
- 100MM THICK PLATE
- 3000MM WIDE PLATE



FORGED AND TOUGHENED ROLLS CAN BE MADE OF A VARIETY OF MATERIAL TO OFFER
SMALLER DIAMETER ROLLING CAPACITY OR SUPERIOR WEAR RESISTANCE

STANDARD HYDRAULIC 3-ROLL PLATEROLLS

PR3-SERIES 3-ROLL HYDRAULIC PLATE ROLLER WITH NC CONTROLLER+

MODEL	PRH3-	12	16	25	40	50	70	80	100
ROLLER TYPE		INITIAL PINCH - TRAVELING TOP ROLL							
PLATE THICKNESS	MM	12	16	25	40	50	70	80	100
WIDTH	MM	1300 - 6000 (1300/2000/2500/3000/4000/5000/6100MM)							
MIN.DIA FULL CAPACITY	MM	400+	500+	800+	950+	1200+	1400+	1500+	1700+
TOP + BOTTOM ROLL DIA.	MM	180-450	240-500	300-550	400-650	500-750	680-850	740-900	820-1000
SIDE ROLLS DIA.	MM	150-400	200-450	250-500	350-600	450-650	600-800	650-850	750-950
MOTOR	KW	15	18.5	30	45	55	75	90	110
WEIGHT	KG	250	250	1125	4200	4300	6500	11000	13000

SPEC SHOWN IS FOR REFERENCE ONLY FOR MORE ACCURATE SPEC CONTACT US.

STANDARD PRH4-SERIES 4 ROLL NC PLATEROLLERS 4 - 160MM MATERIAL THICKNESS

QUICK SPEC:

- 4-160MM MATERIAL THICKNESS
- 1000 - 6000MM SHEET WIDTH

PRH4-SERIES NC HYDRAULIC PLATEROLLERS

QUALITY HYDRAULIC 4-ROLL PLATEROLLER WITH DOUBLE INITIAL/PRE-BEND.

- PINCH - TOP AND BOTTOM ROLLERS
- PRE-BEND WITH SIDE ROLLERS
- HYDRAULIC TOP ROLLER LIFT FOR EJECTING OF MATERIAL



PRH4-30/2500

4-ROLL DOUBLE INITIAL PINCH
NC PLATEROLLER
- 30X2500MM PLATE CAPACITY

OPTIONAL: SHEET SUPPORT FRAME



PRH4-25/3000

4-ROLL DOUBLE INITIAL PINCH
NC PLATEROLLER
- 25X3000MM PLATE CAPACITY



MACHINE POINTS



TOUCH SCREEN NC
CONTROLLER



SOLID MOUNTING FOR
HYDRAULIC CYLINDERS



HIGH ACCURACY
MEASURING SYSTEMS

STANDARD HYDRAULIC 4-ROLL PLATE ROLLER

PR4-SERIES 4-ROLL HYDRAULIC PLATE ROLLER WITH NC CONTROLLER

MODEL	PRH4-	12	16	25	40	50	70	80	100
ROLLER TYPE		DOUBLE INITIAL PINCH - HYDRAULIC TOP AND BOTTOM PINCH WITH OUTSIDE ROLLS CONTROLLING PRE-BENDING							
PLATE THICKNESS	MM	12	16	25	40	50	70	80	100
WIDTH	MM	1300 - 6000 (1300/2000/2500/3000/4000/5000/6100MM)							
MIN.DIA FULL CAPACITY	MM	400+	500+	800+	950+	1200+	1400+	1500+	1700+
TOP + BOTTOM ROLL DIA.	MM	180-450	240-500	300-550	400-650	500-750	680-850	740-900	820-1000
SIDE ROLLS DIA.	MM	150-400	200-450	250-500	350-600	450-650	600-800	650-850	750-950
MOTOR	KW	15	18.5	30	45	55	75	90	110
WEIGHT	KG	250	250	1125	4200	4300	6500	11000	13000

SPEC SHOWN IS FOR REFERENCE ONLY FOR MORE ACCURATE SPEC CONTACT US.



QUICK SPEC:

- 40x40x4 TO 100X100X8MM ANGLE IRON
- ELECTRIC DRIVE
- MANUAL OR HYDRAULIC PRESSURE

SECTION ROLLERS

HYDRAULIC AND MANUAL ROLLERS

SSR-SERIES SECTION ROLLERS

MOTORIZED SECTION ROLLERS WITH MANUAL OR HYDRAULIC ROLLING PRESSURE



SSR-40

MOTORIZED SECTION ROLLER
WITH MANUAL TOP ROLLER
- 40x40x4MM ANGLE IRON



SSR-50

MOTORIZED SECTION ROLLER
WITH HYDRAULIC TOP ROLL
- 50x50x5MM ANGLE IRON



SSR-100

HYDRAULIC SECTION ROLLER WITH
ADJUSTABLE BOTTOM ROLLS
- 80x80x10MM ANGLE IRON



STANDARD SSRH-SERIES

HYDRAULIC SECTION ROLLER WITH ADJUSTABLE BOTTOM ROLLS

- FOR WORK BIGGER THAN 100X100X10MM ANGLE IRON
- MACHINE SIZES ARE BUILT FOR CUSTOMER'S NEEDS.

SSRH-BUILT FOR YOUR BIGGER JOBS.

SECTION ROLLING MACHINES

SSR-SERIES MOTORIZED + SSRH-SERIES HYDRAULIC SECTION ROLLERS

MODEL	SSR-40	SSR-50	SSR-100	SSRH-SERIES
PRESSURE TYPE	MANUAL SCREW TOP ROLL	HYDRAULIC TOP ROLL	HYDRAULIC INDEPENDENT BOTTOM ROLLS	HYDRAULIC INDEPENDENT BOTTOM ROLLS
MIN. ROLLING DIA (ANGLE IRON LEG OUT)	300-1200	240-1800	300-1350	TO YOUR REQUEST
CAPACITY	L40X4	L50X5	L75X7	TO YOUR REQUEST
MODEL SIZE	L (MM)	1040	1250	1100
	W (MM)	780	770	1320
	H (MM)	1400	1650	1250
WEIGHT (KG)	365	820	1670	TO YOUR REQUEST
MAIN MOTOR (KW)	1.5	2.2/2.2	4/3	TO YOUR REQUEST

PROVEN QUALITY SECTION ROLLERS.



STANDARD HYDRAULIC IRON WORKERS

40 - 140 TON CAPACITY

QUICK SPEC:

- 40 - 140TON CAPACITY
- PUNCH, NOTCH, SHEAR, BEND
- AUTO CUT CYCLES

IRON WORKERS

HYDRAULIC UNIVERSAL IRON WORKER

- 40 - 140TON CAPACITY
- HOLE PUNCH
- PLATE NOTCHING
- PLATE, ANGLE IRON AND BAR SHEAR

UI-40

40TON UNIVERSAL IRON WORKER

- PUNCH + SHEAR

COME WITH LIGHT, AUTO CUT SYSTEM, PRESS
BRAKE TOOLING AND A SET OF PUNCHES



UI-50

50TON UNIVERSAL IRON WORKER

- PUNCH + SHEAR + NOTCH

COME WITH LIGHT, AUTO CUT SYSTEM, PRESS
BRAKE TOOLING AND A SET OF PUNCHES



PORTABLE PUNCH

50TON HYDRAULIC C-FRAME PUNCH

- MOBILE PUNCHING FOR ONSITE WORK
- 110MM THROAT
- UP TO 25MM PUNCH DIA.
- WEIGHT 70KG WITH PUMP



220VOLT POWER PACK

FK-50TON

STANDARD UNIVERSAL IRON WORKERS

UI-SERIES HYDRAULIC IRONWORKERS (PUNCH-SHEAR-NOTCH-BEND)

MODEL	UI-	40	50	55	85	110	140
TONNAGE	TONS	40	50	55	85	110	140
PUNCHING CAPACITY	MM	22DIA. IN 12	24DIA. IN 15	25DIA. IN 16	30DIA. IN 20	35DIA. IN 25	38DIA. IN 26
RAM STROKE	MM	60	60	80	80	80	80
THROAT DEPTH	MM	200	200	300	355	400	600
FLAT BAR SHEAR	MM	12x250	15x300	16x250 8x400	20x330 10x480	25x330 16x600	30x355 20x600
ROUND SHEAR	MM	30	40	45	50	60	65
SQUARE SHEAR	MM	25x25	35x35	40x40	50x50	50x50	55x55
ANGLE IRON SHEAR	MM	80x80x8	120x120x12	125x125x12	140x140x12	160x160x14	180x180x16
HYDRAULIC MOTOR	KW	3	4	4	5.5	7.5	11
DIMENSION(LxWxH)	MM	1200x520x1500	1320x590x1620	1640x730x1770	1860x800x1900	2365x960x2090	2650x1240x2300
WEIGHT	KG	1000	1400	1600	2300	4500	6800



QUICK SPEC:

- 20-500TON CAPACITY
- SPECIAL TOOLING AVAILABLE
- MANUAL OR MOTORIZED

STANDARD HYDRAULIC GARAGE PRESSES

20-500TON CAPACITY



Student Model Available
Designed For Student Training.

HYDRAULIC GARAGE PRESSES

STANDARD DESIGN WITH NO SPECIAL TOOLING



HG-20M

- 20TON MANUAL/HAND PUMP



HG-30

- 30TON MOTORIZED



HG-150

- 150TON MOTORIZED
- SHOWN WITH OPTIONAL PRESS
BRAKE TOOLING AND GUIDES

STANDARD HYDRAULIC GARAGE PRESS

HG-SERIES HYDRAULIC GARAGE PRESSES										
MODEL	HG-	20	30	50	100	150	200	300	400	500
HYDRAULIC PUMP TYPE		MANUAL PUMP	ELECTRIC HYDRAULIC PUMP							
TONNAGE	TON	20	30	50	100	150	200	300	400	500
PISTON TRAVEL	MM	170	200	220	250		300			
TABLE TRAVEL	MM	250	270	405						
TABLE SIZE	MM	300x300	300x400	400x500	460x980		500x1000	700x1200	800x1200	900x1200
DISTANCE BETWEEN UPRITES	MM	490	500	800	1000			1200		
WEIGHT	KG	175	480	1000	1300	1400	2250	4200	5500	6500
FABRICATED HYDRAULIC GARAGE PRESESS...										

FABRICATED HYDRAULIC GARAGE PRESSES...

HYDRAULIC 4-POST PRESSES

SINGLE PISTON GUIDED BEAM HYDRAULIC PRESS



H4P-315

- 315TON HYDRAULIC PRESS

STANDARD 4-POST PRESSES

HYDRAULIC 4-POST PRESS							
MODEL	H4P-	50	100	150	200	315	500
TONNAGE	TON	50	100	150	200	315	500
PISTON TRAVEL	MM	300				400	
TABLE SIZE	MM	400x600	500x700	870x670 670x674	970x700 700x700	1090x800 800x800	1300x1300 1300x1300
WEIGHT	KG	980	1220	2200	2600	4600	18000

FABRICATED HYDRAULIC GARAGE PRESSES...

C-FRAME ECCENTRIC PRESS

6 - 250 TON CAPACITY

QUICK SPEC:

- 6 - 250TON ECCENTRIC PRESSES
- ADJUSTABLE STROKE
- FIXED OR INCLINABLE
- MECHANICAL, DRY OR WET CLUTCH.

ECCENTRIC MECHANICAL PRESSES

MOTORIZED CRANK TYPE ECCENTRIC PRESSES
- AJUSTABLE STROKE LENGTH



J-16

INCLINABLE ECCENTRIC PRESS
- 16TON



J-63

INCLINABLE ECCENTRIC PRESS
- 63TON



J-100

INCLINABLE ECCENTRIC PRESS
- 100TON



OPTIONAL:

- DECOILER - CRADLE TYPE
- STRAIGHTNER - ROLLER TYPE
- FEEDER - NC OR AIR TYPE

MOTORISED ECCENTRIC PRESSES

J-SERIES STROKE ADJUSTABLE ECCENTRIC PRESSES

MODEL	J-	6	10	16	25	40	63	80	125	160	250
MACHINE TYPE		ELECTRIC POWERED FLYWHEEL AND CRANK PRESS									
TONNAGE	TON	6.3	10	16	25	40	63	80	125	160	250
STROKE	MM	0-40	0-60	0-70	0-80	20-120		10-130	140	16-160	21-220
STROKE / MIN	S/MIN	170	145	125	60	55	50	45	40	35	30
TABLE SIZE	MM	200x310	240x360	320x480	400x600	480x710		520x860	720x1200	740x1300	800x1400
MOTOR	KW	0.75	1.1	1.5	2.2	4	5.5	7.5	11	15	22
WEIGHT	KG	450	700	1150	2000	3300	4400	5500	11500	15000	25000

ECCENTRIC PRESSES...



QUICK SPEC:

- DECOILERS
- AIR + NC STRIP FEEDER
- INLINE STRAIGHTNER
- DECOILER / STRAIGHTNER COMBO

ECCENTRIC-PRESS ACCESSORIES

DE-COILER, FEEDERS AND STRAIGHTNERS

DE-COILLER

COIL CRADLES			
DECOILER CRADLES			
MODEL		CR-80	CR-200
INNER DIAMETER	MM	130-410	200-300
OUTER DIAMETER	MM	800	800
MATERIAL WIDTH	MM	150	200
MOTOR	HP	1/2	1
COIL WEIGHT	KG	80	150



AIR-STRIP FEEDER

PNEUMATIC STRIP FEEDER												
PNEUMATIC STRIP FEEDER												
MODEL		AF-1	AF-2	AF-3	AF-4	AF-5	AF-6	AF-7	AF-8	AF-9	AF-10	AF-11
MAX . FEED WIDTH	MM	50	65	80	100	150	200	250	300	350	400	450
MAX. FEED LENGTH	MM	50	80	80	130	150	200	250	300	350	400	450
MATERIAL THICKNESS	MM	0.5	0.8	1.2	1.5	2	2	2.5	2.5	3	3	3
WEIGHT	KG	9	10	13	20	39	52	80	95	156	178	200



NC-STRIP FEEDERS

NC-CONTROLLED FEEDER SYSTEMS												
MODEL		NCF-	100	200	300	400	500	600	800	1000	1300	1600
MATERIAL THICKNESS / WIDTH	MM	0.2-1.0	100	200	300	400	500	600	800	1000	1300	1600
		2	90	180	280	300	350	400	480	550	650	700
		3.2	40	80	100	120	150	180	240	280	320	360
FEED SPEED		M/MIN	20									
FEED LENGTH		MM	9999.99									
SERVO MOTORS		KW	1.3 / 0.4	1.8 / 0.8	1.8 / 0.9	3 / 1.3	3 / 1.3	3 / 1.8	2.9 / 4.4	4.4 / 5.5	5.5 / 7.5	5.5 / 7.5



STRAIGHTNER

INLINE STRAIGHTNER - ROLLER TYPE										
MOTORIZED ROLLER STRAIGHTNER										
MODEL		HS-	200	300	400	500	600	700	800	1000
MATERIAL THICKNESS / WIDTH	MM	1-2.5	200	300	400	500	600	700	800	1000
		3.2								
		4								
		4.5								
		5		250	300	300	300	300	350	400
		6	180	180	200	200	200	200	200	300
MOTORS		KW	3	5	5	7.5	7.5	10	10	15



STRAIGHTNER / DECOILER

INLINE STRAIGHTNER - ROLLER TYPE					
MOTORIZED ROLLER STRAIGHTNER					
MODEL	CL-	150	200	250	300
MATERIAL WIDTH	MM	150	200	200	300
MATERIAL THICKNESS	MM	0.4-2.2			
COIL DIAMETER	MM	800	800	800	800
COIL WEIGHT	KG	350	400	500	500
MAX. STRAIGHTENING SPEED	M/MIN	15	15	15	15
MOTORS	HP	1/4	1	1	1



80

ECCENTRIC PRESS -
ACCESORIES



ROUND DUCTING SYSTEMS

QUICK SPEC:
- SPIRAL DUCT FORMERS
- GORELOCKERS



SPIRAL TUBE FORMER

FAN TYPE TUBE FORMER

MODEL		DSTF-1500
THICKNESS	MM	0.5-1.2 (0.4-2 OPT.)
TUBE DIA.	MM/DIA.	80-1500
SHEET WIDTH	MM	137
WORK SPEED	M/MIN	1-38 VARIABLE
POWER	KW	5 + 4
WEIGHT	KG	1700

SPIRAL TUBE FORMER

RING TYPE TUBE FORMER

MODEL		DSTR-1600
THICKNESS	MM	0.4-1.3
TUBE DIA.	MM/DIA.	80-1600
SHEET WIDTH	MM	137 / 140
WORK SPEED	M/MIN	1-60 VARIABLE
WEIGHT	KG	3200



GORE-LOCKING MACHINE

MECHANICAL TYPE

MODEL		DGM-1000	DGM-1500
THICKNESS	MM	1.2 (2 OPT)	2
DIA. RANGE	MM	150-1000	150-1500
FORM SPEED	M/MIN	7	
POWER	KW	1.5 + 1.5	2.2 + 2.2
WEIGHT	KG	600	650

GORE-LOCKING MACHINE

HYDRAULIC TYPE

MODEL		DGH-1250
THICKNESS	MM	0.4-1.2
DIA. RANGE	MM	125-1250
FORM SPEED	M/MIN	12
HYDRAULIC OIL TANK	L	75
POWER	KW	4
WEIGHT	KG	750



QUICK SPEC:

- OVALISERS
- TDC ROLLFORMER
- AUTO SQUARE DUCT FOLDER

DUCTING SYSTEMS



OVALIZING MACHINE

ROUND TUBE OVALIZER

SHAPE FORM CORNER TYPE OVALISER

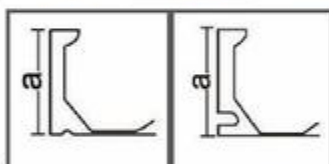
MODEL		DO-3100
THICKNESS	MM	0.4-1.2
DUCT LENGTH	MM	3100
ARM RANGE	MM	330 DIA.
DIE SPEC	MM	150/200/250/300/350/400/450/500 DIA.
POWER	KW	2800
WEIGHT	KG	3250

TDC FLANGE FORMER

TDC FLANGE FORMER

ROLLFORMER WITH AUTO CUT AND MEASURE

MODEL		20A	30A	35A	40A
THICKNESS	MM	0.8	1		1.2
EDGE WIDTH	MM	88	120	131	141
WORK SPEED	M/MIN	6			
POWER	KW	3			4
WEIGHT	KG	2000	2200	3000	3250



AVAILABLE TDC FORMS



AUTO-DUCT FOLDER

AUTOMATIC SQUARE DUCT FOLDING LINE

DECOIL, MEASURE, FOLD AND CUT DUCTS

MODEL		DAF-1250	DAF-1550
THICKNESS	MM	0.5-1.2	
SHEET WIDTH	MM	1250	1550
WORK SPEED	M/MIN	18	
POWER	KW	11	
WEIGHT	KG	3250	4000



TUBE BENDERS

ELECTRIC AND HYDRAULIC

QUICK SPEC:

- TUBE BENDERS WITH OUT MANDRELS
- ELECTRIC AND HYDRAULIC TUBE BENDERS
- UP TO 60MM TUBE DIAMETER

STANDARD ELECTRO-TUBE BENDERS

SERVO ELECTRIC ROTARY TUBE BENDERS



BTE-42

- 40MM MILD STEEL TUBE



BTE-65

- 54MM MILD STEEL TUBE



BTE-70

- 60MM MILD STEEL TUBE

ELECTRIC ROTARY TUBE BENDERS

ELECTRIC TUBE BENDERS NO MANDREL

MODEL		BTE-42		BTE-60		BTE-65		BTE-70	
BENDER TYPE		ELECTRIC MECHANICAL		ELECTRIC MECHANICAL		ELECTRIC MECHANICAL		ELECTRIC MECHANICAL	
TUBE CAPACITY		DIAMETER	THICKNESS	DIAMETER	THICKNESS	DIAMETER	THICKNESS	DIAMETER	THICKNESS
MILD STEEL TUBE	MM	40	1.5	54	2	54	2	60	2
STAINLESS STEEL TUBE	MM	30	2	42	3	42	3	60	3
MOTOR	KW	0.65		1.1		1.5		2.2	
WEIGHT	KG	94		107		185		210	

QUALITY ELECTRIC TUBE BENDERS.

AMCO HYDRAULIC TUBE BENDER

ROTARY AND SINGLE PISTON FORM BENDING

YW-60D

- 13-60MM MILD STEEL TUBE



AMCO HYDRAULIC TUBE BENDER

HYDRAULIC BENDERS WITHOUT MANDREL

MODEL		YW-60D
BENDER TYPE		HYDRAULIC ROTARY AND CROSBOW TYPE
TUBE CAPACITY		DIAMETER
MILD STEEL TUBE	MM	13-60
BEND ANGLE	DEG.	0-180
MOTOR	KW	2.2
WEIGHT	KG	380

QUALITY TUBE BENDERS.



QUICK SPEC:

- HYDRAULIC TUBE BENDING WITH MANDREL
- 25 - 114MM MANDREL TUBE BENDERS
- MANUAL OR NC-AUTO

HYDRAULIC MANDREL TUBE BENDING 10 - 150MM TUBE BENDER

MANDREL TYPE HYDRAULIC TUBE BENDER

ROTARY TYPE TUBE BENDING WITH IN TUBE MANDREL



BTM-42

- 40MM MILD STEEL TUBE



BTM-114

- 114MM MILD STEEL TUBE

STANDARD MANDREL TUBE BENDERS

HYDRAULIC MANDREL TUBE BENDERS									
MODEL		BTM-25		BTM-42		BTM-76		BTM-114	
BENDER TYPE		HYDRAULIC ROTARY		HYDRAULIC ROTARY		HYDRAULIC ROTARY		HYDRAULIC ROTARY	
TUBE CAPACITY		DIAMETER	THICKNESS	DIAMETER	THICKNESS	DIAMETER	THICKNESS	DIAMETER	THICKNESS
MILD STEEL TUBE	MM	25	2	42	3	76	6	114	10
MAX BEND RADIUS	MM	120		200		300		600	
MAX BEND ANGLE	DEG.	185							
MOTOR	KW	0.75		3		5.5		11	
WEIGHT	KG	200		450		2500		3500	
QUALITY HYDRAULIC TUBE BENDERS.									

QUALITY HYDRAULIC TUBE BENDERS.

CNC HYDRAULIC TUBE BENDER

ROTARY TYPE PRODUCTION TUBE BENDING WITH MANDREL



STANDARD NC / CNC MANDREL TUBE BENDERS

AUTOMATIC HYDRAULIC MANDREL TUBE BENDERS					
MODEL		BTNC-SERIES		BTCNC-SERIES	
CONTROLLER TYPE		NC-CONTROL (AUTO)		CNC-CONTROL (FULL AUTO)	
MACHINE SIZES (MILD TUBE DIA.)	MM	18/28/38/42/50/63/76/89	100/114/120/140/159	18/28/38/42/50/63/76/89	100/114/120/140/159

QUALITY HYDRAULIC TUBE BENDERS.

TUBE NOTCHERS

MANUAL AND ELECTRIC

QUICK SPEC:

- TUBE NOTCHING AND SANDING
- MANUAL AND MOTORIZED
- SHEAR, MILL AND GRIND



NRA-1

HAND LEVER TUBE NOTCHER

MANUAL TUBE NOTCHER - ROUND TUBE

TUBE NOTCHING OF 1/4 - 2" INCH TUBE

MODEL	TUBE DIAMETERS	PACKING SIZE	WEIGHT
NRA-1	1/4, 3/8, 1/2"	500x180x160mm	7KG
NRA-2	3/4, 1, 1-1/4"	500x180x160mm	9KG
NRA-3	1-1/2, 2"	500x180x160mm	16KG

ELECTRIC TUBE NOTCHER

ELECTRIC TUBE NOTCHER - ROUND TUBE

MODEL	TUBE DIAMETERS	PACKING SIZE	WEIGHT
NRE-1	1/4 - 2"	500x180x160mm	90KG



NRE-1



NUTN-40V

TUBE END MILLING MACHINE

MOTORIZED TUBE NOTCHER - MILLING CUTTER TYPE

MODEL	TUBE DIAMETERS	PACKING SIZE	SPEED	MOTOR	WEIGHT
NUTN-40	1/2 - 2"	500x180x160mm	280RPM	1 HP	150KG
NUTN-40V	1/2 - 2"	500x180x160mm	75 - 250RPM (VARIABLE)	1.5HP	150KG

TUBE END SANDING/GRINDER

MOTORIZED TUBE NOTCHER - MILLING CUTTER TYPE

MODEL	TUBE DIAMETERS	PACKING SIZE	BELT SIZE	BELT SPEED	MOTOR	WEIGHT
NTS-76	20, 26, 32, 42, 48, 60, 76MM	1300x580x680MM	100x2000MM	30M/SEC	3KW	200KG

MACHINE STANDARD WITH WITH 1 SET OF ROLLERS (28MM DIA.)



- EASY OPERATION WITH ROTATING DESIGN
- GRINDS ANY ANGLE FROM 30-90DEG.
- GRINDS ANY DIAMETER FROM 20 - 76MM
- GRINDS MOST MATERIALS
- GRINDING OF TUBES AND PROFILES



NTS-76

QUICK SPEC:

- MANUAL / HAND POWERED MACHINES
- SHEAR, PUNCH, BEND AND PRESS

HAND TOOLS

PUNCH, SHEAR, FORM AND PRESS



HHS-8



HHS-12



HKS-1000

HAND LEVER SHEAR

HAND POWERED SHEARS

MODEL	CUTTING LENGTH	CUT THICKNESS	WEIGHT
HHS6	150MM	UPTO 6MM	13KG
HHS8	200MM	UPTO 6MM	19KG
HHS10	250MM	UPTO 6MM	23KG
HHS12	300MM	UPTO 6MM	28KG
HKS-1000	1000/1250	1MM	600KG

MULTI HAND SHEAR

FLAT, ROUND AND ANGLE HAND SHEAR

MODEL	ROUND	SQUARE	FLAT	ANGLE	WEIGHT
HPBS-7	22MM	20MM	90x14MM	60x7MM	100KG
HPBS-8	16MM	16MM	100X10MM	40x6MM	60KG



HPBS-7



HPBS-9



HHP-20

PUNCH SHEAR COMBO

FLAT, ROUND AND ANGLE HAND SHEAR + PUNCH

MODEL	PUNCH	ROUND	SQUARE	FLAT	ANGLE	WEIGHT
HPBS-9	16 IN 8MM	22MM	20MM	90x14MM	60x7MM	115KG
HHP-20	20	-	-	-	-	80

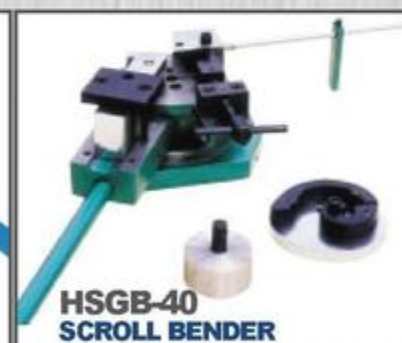
HAND - STEEL FORMING TOOLS

SCROLL AND FORM BENDERS

MODEL	SQUARE BAR		ROUND BAR		ANGLE IRON		FLAT BAR	WEIGHT
BEND TEMP	COLD	HOT	COLD	HOT	COLD	HOT	HOT	
HUB-70	16x16MM	30x30MM	18MM	30MM	60x8MM	70x15MM	70x15MM	29KG
HUB-100	16x16MM	30x30MM	18MM	30MM	60x8MM	100x12MM	100x12MM	32KG
HUB-100A	20x20MM	25x25MM	22MM	27MM	-	-	100X15MM	36KG
HSGB-40	13x13MM		15MM				30x8MM	29KG



HUB-100



HSGB-40
SCROLL BENDER



HAP-1



HAP-3

ARBOUR PRESSES - 1-5TON

QUALITY ARBOUR PRESSES

MODEL	TONNAGE	RAM PROFILE	JOB HEIGHT	BASE SIZE	WEIGHT
HAP-1	1	25x25MM	110MM	270x190MM	16KG
HAP-2	2	32x32MM	180MM	430x260MM	38KG
HAP-3	3	38x38MM	285MM	455x300MM	65KG
HAP-5	5	50x50MM	400MM	645x470MM	166KG

STANDARD CNC PLASMA CUTTER

STANDARD AND HIGH DEFINITION

QUICK SPEC:

- SOUTH AFRICAN BUILT MACHINES
- HYPERTHERM HD - CUTTING SYSTEMS
- MACH 3 SD - CUTTING SYSTEMS
- CUSTOM BUILT FOR ALL SHEET SIZES.

INDUSTRIAL GRADE PLASMA CUTTER

AVAILABLE IN STANDARD DEFINITION OR HYPERTHERM HD CNC

- FULL WATER BED
- AUTO HEIGHT CONTROLLER
- PEACE OF MIND SOUTH AFRICAN ENGINEERING!

PROUDLY
BUILT IN S.A.



STANDARD LSD-SERIES

STANDARD DEFINITION CNC CUTTING

- MACH 3 CNC CONTROLS
- WATER BED DESIGN

HIGH PERFORMANCE CNC
CUTTING SYSTEM

MACH3 STANDARD DEFINITION
CNC CONTROL SYSTEM



Hypertherm

STANDARD DEFINITION
AIR PLASMA SOURCE



STANDARD LHD-SERIES

HIGH DEFINITION CNC CUTTING

- HYPERTHERM CNC CONTROL
- HYPERTHERM DRIVES AND SERVO MOTORS
- HYPERTHERM AUTO HEIGHT CONTROL
- HYPERTHERM HD PLASMA SOURCE
- WATER BED DESIGN

HYPERTHERM HD
CONTROL AND DRIVE
SYSTEM

HIGH DEFINITION CNC
CUTTING SYSTEM



Hypertherm

HIGH DEFINITION MIXED
GAS PLASMA SOURCE



STANDARD CNC PLASMA PROFILING MACHINES

STANDARD INDUSTRIAL GRADE CNC CUTTING TABLES

MODEL		LSD-SERIES					LHD-SERIES HIGH DEFINITION			
		1530	2040	2560	2590	25120	1530	2040	2560	2580
CUTTING SIZE	MM	1500x3000	2000x4000	2500x6000	2500x9000	2500x12000	1500x3000	2000x4000	2500x6000	2500x8000
CUTTING ACCURACY	MM	0.1					0.04			

MACHINES ARE BUILT WITH WATER BED, OTHER BED DESIGNS CAN BE BUILT TO SUIT CUSTOMERS NEEDS.



QUICK SPEC:

- CNC CUTTING SYSTEMS
- HIGH ACCURACY
- FLAT AND TUBE CUTTING
- FLAME AND PLASMA READY

PORTABLE CNC PLASMA CUTTING SYSTEMS

PORTABLE NC SYSTEM

PORTABLE NC CUTTING SYSTEM

2-AXIS CNC WITH STEPPER MOTORS

MODEL	TRAVELS	CUTTING ACCURACY	PLASMA CUTTING	FLAME CUTTING
LNC-1525	1500x2500MM	0.04MM	0.5-70MM	3.2-150MM
	UP TO 1500x1500MM			

- USER FRIENDLY CNC CONTROL WITH CAM BASED CONVERSATIONAL CONTROL
- PRECISION LINEAR GUIDE WAYS FOR SMOOTH ACCURATE MOVEMENTS
- RELIABLE STEPPER MOTOR + DRIVES ON X + Y-AXIS
- AUTO HEIGHT ARC CONTROLLER
- USB FOR PROGRAM INPUT
- BUILT IN NESTING SOFTWARE



AFFORDABLE CNC CUTTING SYSTEM

FRAME TABLE NOT INCLUDED

HIGH QUALITY CNC CUTTING SYSTEM

LINEAR GUIDE WAYS ON X+Y-AXIS MOVEMENTS

AUTO TORCH HEIGHT CONTROLLER

420MM EXTRA WIDE RAIL WITH INTERNAL CORNER BRACING FOR STABILITY



PORTABLE CNC SYSTEM

FAST AND ACCURATE PORTABLE CUTTING SYSTEM

2-AXIS CNC WITH SERVO MOTORS AND AUTO TORCH HEIGHT

MODEL	TRAVELS	CUTTING ACCURACY	PLASMA CUTTING	FLAME CUTTING
LCNC-1525	1500x2500MM	0.25MM	0.5-36MM	3.2-150MM
	UP TO 1500x1500MM			

- USER FRIENDLY CNC CONTROL WITH CONVERSATIONAL CONTROL
- PRECISION LINEAR GUIDE WAYS FOR SMOOTH MOVEMENTS
- FAST ACCURATE SERVO MOTORS ON X + Y-AXIS
- AUTO HEIGHT ARC CONTROLLER
- USB FOR PROGRAM INPUT
- BUILT IN NESTING SOFTWARE

CUTTING SYSTEM

PORTABLE BRIDGE TYPE PORTABLE CUTTING SYSTEM

MODEL	TRAVEL	CUTTING ACCURACY	PLASMA CUTTING	FLAME CUTTING
LB-2030	2000x3000MM	0.3MM	0.5-36MM	3.2-150MM
	UP TO 3500X1500MM			

- USER FRIENDLY CNC CONTROL WITH CAM BASED CONVERSATIONAL CONTROLLER
- PRECISION LINEAR GUIDE WAYS FOR SMOOTH ACCURATE MOVEMENTS
- PRECISION STEPPER OR SERVO MOTOR DRIVE
- BUILT IN AUTO HEIGHT ARC CONTROLLER
- USB FOR PROGRAM INPUT
- BUILT IN NESTING SOFTWARE

AFFORDABLE BRIDGE TYPE CNC CUTTING SYSTEM

DUAL DRIVE MOTORS

BUILT IN AUTO TORCH HEIGHT CONTROLLER



AFFORDABLE TUBE CUTTING CNC CUTTING SYSTEM

BUILT IN AUTO TORCH HEIGHT CONTROLLER

AUTO TORCH HEIGHT CONTROLLER



TUBE CUTTING SYSTEM

PORTABLE CNC TUBE CUTTING SYSTEM

CNC ROTARY AND FEED SYSTEM TO CUT TUBE

	PIPE DIA. (MM/DIA.)	CUTTING SPEED (MM/MIN)	PIPE LENGTH	WALL THICKNESS
LT-200	25-200	10-5000	UP TO 6M	UP TO 80MM
LT-800	100-1800	0-3000	UP TO 15M	UP TO 80MM

- USER FRIENDLY CNC CONTROL WITH CAM BASED CONTROLLER
- PRECISION LINEAR GUIDE WAYS FOR SMOOTH ACCURATE MOVEMENTS
- PRECISION STEPPER MOTOR DRIVE
- AUTO HEIGHT ARC CONTROLLER
- ACCURATE ROTARY AXIS.



JSEDM SPARK-ERODERS

QUICK SPEC:

- 30 - 120AMP EDM
- ZNC OR FULL CNC CONTROLS
- HIGH QUALITY FINISH

JSEDM SPARK ERODING MACHINES

HIGH PRECISION ELECTRIC DISCHARGE MACHINES WITH NC AND CNC CONTROLS
- OPTIONAL SUPER FINISH MODELS AVAILABLE



EBN-SERIES

Z-AXIS NC CONTROLLED SPARKER
- Z-AXIS NC POSITIONING



CNC-EB SERIES
FULL CNC SPARK ERODER
- 3-AXIS CNC POSITIONING



AD-SERIES

EDM DRILLING MACHINES
- Z-AXIS NC OR FULL CNC

JSEDM HIGH PRECISION SPARK ERODER EDM

JSEDM PRECISION ELECTRIC DISCHARGE MACHINES							EDM DRILL		
EBN (Z-AXIS NC) OR CNC-EB (FULL CNC)							AD (AUTO)		
MODEL		304	606	707	808	909	AD-20	AD-30	
SPARK OUTPUT		AMPS	30,60	30,60,90	60,90,120	90,120	30		
BEST SURFACE FINISH		0.2um SURFACE ROUGHNESS							
TANK SIZE		MM	800x500x350	1100x600x400	1550x880x500	1700x1050x700	2650x1320x700	N/A	
TABLE SIZE		MM	600x300	700x400	1000x500	1100x700	1850x1000	480x210	600x300
TRAVELS	X	MM	300	400	550	800	1800	300	350
	Y	MM	200	300	450	600	800	200	250
	Z	MM	180+200	180+250	300+300	400	600	345	
MAX TOOL TO TABLE		MM	470	640	740	950	1100	80~210	5~370
LOAD ON TABLE		KG	500	1500	2000	3000	4800	200	400
WEIGHT		KG	1000	1800	3000	5000	8500	600	800
HIGH PRECISION AND INTELLEGENT EDM MACHINES									

HIGH PRECISION AND INTELLIGENT EDM MACHINES.



QUICK SPEC:
- 5-AXIS CNC WIRE CUT EDM
- JSEDM CNC CONTROLLER

JSEDM WIRE CUT EDM

WIRE CUT EDM MACHINE

PRECISION 5-AXIS CNC WIRECUT ELECTRIC DISCHARGE MACHINE
- FLUSHING AND SUBMERGIBLE TYPES
- HIGH PRECISION JSEDM CNC SYSTEM
- OPTIONAL AUTO WIRE THREADING AND CHILLER



Wi-S SERIES
SUBMERGED TYPE WIRE CUT EDM



Wi - 2 IN 1
FLUSHING AND SUBMERGED TYPE



Wi-E SERIES
FLUSHING TYPE WIRE CUT EDM

JSEDM HIGH PRECISION WIRE CUTTING EDM

JSEDM PRECISION ELECTRIC DISCHARGE WIRECUT MACHINES

FLUSHING TYPE						SUBMERGED TYPE				
MODEL		Wi-30E	Wi-60E	Wi-90E	Wi-200S	Wi-430S	Wi-640S	Wi-860S	Wi-1160SA	
TANK SIZE	MM	270L	360L		450L	570L	940L	2600L		
MAX WORKPIECE	MM	760x520x295	1100x650x340	1380x760x295	550x470x115	700x540x295	1000x720x345	1330x900x395	1690x990x395	
TRAVELS 5-AXIS SERVO DRIVE	X	MM	400	600	900	210	400	600	800	1100
	Y	MM	300	450	500	200	300	450	600	650
	Z	MM	300	350	300	120	300	350	400 (600)	
	U	MM	100			30	100		150	
	V	MM	100			30	100		150	
WIRE DIAMETER	MM	0.1~0.3			0.1~0.3			0.15~0.3		
TAPER ANGLE	DEG.	+22.5 -22.5			+10 -10	+22.5 -22.5		+22.5 -22.5		
TAPER LENGTH	MM	100			60	100		160		
LOAD ON TABLE	KG	500	1000	1300	300	500	1000	4500	5000	
WEIGHT	KG	1950	3400	5200	1700	2100	3500	6500	8500	

AVAILABLE WITH AUTO WIRE THREADING SYSTEM





INDUSTRIAL MAG BASE DRILLS

INDUSTRIAL GRADE MAGNETIC BASE DRILLS FROM TAIWAN.

1-SPEED MAG BASE DRILLS

1-SPEED MAG BASE DRILL

ANG-JAW APPLIES DOWN FORCE TO LIMIT MATERIAL BOWING

MODEL	MOTOR POWER	CUTTER DIA. x DEPTH	TWIST DRILL DIA. x DEPTH	VOLTAGE	WEIGHT
SMD351L	1100WATT	35x50MM	13x140MM (MANUAL)	220V 1PH	14KG



2-SPEED MAG BASE DRILLS

2-SPEED MAG BASE DRILL

ELECTRIC 2-SPEED DRILL WITH FEED

MODEL	MOTOR POWER	CUTTER DIA. x DEPTH	TWIST DRILL DIA. x DEPTH	DRILLING SPEEDS	VOLTAGE	WEIGHT
SMD352	1100WATT	35x50MM	13x140MM (MANUAL)	1) 270-450RPM 2) 440-730RPM	220V 1PH	14KG
MD500/2	2000WATT	50x75MM	16x110MM (MANUAL)	1) 230-380RPM 2) 300-500RPM	220V 1PH	23KG



4-SPEED MAG BASE DRILLS

4-SPEED MAG BASE DRILL

ELECTRIC 4-SPEED DRILL WITH FEED

MODEL	MOTOR POWER	CUTTER DIA. x DEPTH	TWIST DRILL DIA. x DEPTH	DRILLING SPEEDS	VOLTAGE	WEIGHT
MD750/4	2000WATT	75x50MM	32x150MM (MANUAL)	1) 90-150RPM 2) 120-200RPM 3) 180-300RPM 4) 230-380RPM	220V 1PH	25KG
MD120/4	2000WATT	120x50MM	32x200MM (MANUAL)	1) 35-120RPM 2) 70-220RPM 3) 80-250RPM 4) 140-450RPM	220V 1PH	29KG



LOW PROFILE MAG BASE DRILLS

PMD - SERIES LOW PROFILE MAG BASE DRILLS

LOW PROFILE ELECTRIC DRILL WITH MANUAL FEED

MODEL	MOTOR POWER	CUTTER DIA. x DEPTH	DIMENSIONS	VOLTAGE	WEIGHT
PMD3530	1100WATTS	35x35MM	285x101x200MM	220V 1PH	10KG





WEST LAKE TUBE THREADER

ELECTRIC TUBE THREADING MACHINES COST EFFECTIVE PORTABLE TUBE THREADING MACHINES



50MM TUBE THREADER

Z-50 TUBE THREADER

MOBILE TUBE THREADING MACHINE FOR TUBE UP TO 50MM DIA.

MODEL		Z50
CAPACITY METRIC	MM	12 - 50
CAPACITY IMPERIAL	INCH	1/2" - 2"
SPEEDS	RPM	28
VOLTAGE	VOLT	220/380
POWER	WATT	750
WEIGHT	KG	65
DIMENSIONS	MM	750x510x510



80MM TUBE THREADER

Z-80 TUBE THREADER

MOBILE TUBE THREADING MACHINE FOR TUBE UP TO 80MM DIA.

MODEL		Z80
CAPACITY METRIC	MM	12 - 76
CAPACITY IMPERIAL	INCH	1/2" - 3"
SPEEDS	RPM	11/23
VOLTAGE	VOLT	220/380
POWER	WATT	750
WEIGHT	KG	120
DIMENSIONS	MM	860x610x630



100MM TUBE THREADER

Z-100 TUBE THREADER

MOBILE TUBE THREADING MACHINE FOR TUBE UP TO 100MM DIA.

MODEL		Z100
CAPACITY METRIC	MM	12 - 100
CAPACITY IMPERIAL	INCH	1/2" - 2"
SPEEDS	RPM	8.5/24
VOLTAGE	VOLT	220/380
POWER	WATT	750
WEIGHT	KG	190
DIMENSIONS	MM	1010x690x680

LIFTING EQUIPMENT

LIFTING TABLES AND PALLET TRUCKS

LIFTING TABLE - 500KG

HYDRAULIC LIFTING TABLE		
MODEL		LT-500
LIFTING CAPACITY	KG	500
TABLE SIZE (LxB)	MM	815x500
TABLE HEIGHT	MM	270(LOW) 900(HIGH)
WEIGHT	KG	83
TABLE LOCK		
STEEL AND POLYURETHANE WHEELS		
2-FIXED AND 2-CASTER WHEELS WITH BRAKES		



- IDEAL FOR LOADING PRESS TOOLS AND DIES INTO AND OUT OF MACHINES.
- MOBILE WORK SPACE FOR ASSEMBLY AND CHECKING OF HEAVY PARTS.

PALLET TRUCK - 2500KG

HYDRAULIC PALLET TRUCK		
MODEL		PT-2500
LIFTING CAPACITY	KG	2500
FORK SIZE	MM	685x1220
FORK HEIGHT	MM	80(LOW) 200(HIGH)
WEIGHT	KG	95



STANDARD DRO SYSTEMS

PRECISION DIGITAL READ OUTS



STANDARD DIGITAL READ OUT SYSTEMS

INCREASE YOUR PRECISION AND SAVE 30% OF YOUR WORKING TIME

NO. OF AXIS	AXIS	COUNTING ACCURACY	COMPATIBLE MACHINES
2	X+Y / X+Z	0.005 5MICRON	MILLING MACHINES LATHES EDM MACHINES GRINDERS
3	X+Y+Z		
4	X+Y+Z+Z1		



PRECISION GLASS SCALES - CONSISTANT ACCURACY

GLASS SCALE TECH - 0.001 / 0.005 / 0.010MM ACCURACY

MODEL	COUNTING RESOLUTION	SCALE MEASURING LENGTHS	WATER PROTECTION
GS-1MICRON	0.001MM	70,120,170,220,270,320,420,520,620, 720,820,920,1020,1240,1540,1840, 2040,2240,2540,2840,3040MM	IP55
GS-5MICRON	0.005MM		
GS-10MICROM	0.010MM		



RUGGED MAGNETIC SCALES - FLEXABLE AND UNBREAKABLE

FLEXABLE SCALE IN EXTRUDED ALUMINIUM BODY WITH STAINLESS STEEL GUIDE

MODEL	COUNTING RESOLUTION	MAGNETIC SCALE PITCH	SCALE LENGTHS
MS-5MICRON	0.005MM	2MM	100-30 000MM
MS-10MICRON	0.010MM		
MS-20MICROM	0.020MM		



MAGNETIC READER HEAD - SOLID STATE

NO MOVING PARTS TO BREAK, READS WITHOUT CONTACT

MODEL	COUNTING RESOLUTION	COMPATIBLE SCALE PITCH
M-5MICRON	0.005MM	2MM
M-10MICRON	0.010MM	
M-20MICROM	0.020MM	



FLEXABLE MAGNETIC SCALE - STICK DOWN AND MEASURE

HIGH ACCURACY 0.04MM, 2MM PITCH SCALES
SELF ADHESIVE MAGNETIC SCALE WITH STAINLESS STEEL GUIDING SURFACE
CAN BE APPLIED TO MOST STRAIGHT FLAT SURFACES.

MODEL	MAGNET SCALE PITCH	SCALE LENGTH
2MM PITCH	2MM	UP TO 50M SCALE IN 1PCS

MACHINE ACCESSORIES

MILLING AND DRILLING VICES



DRILL PRESS VICE

CAST IRON BODY SLOTTED HOLES FOR EASY POSITIONING

MODEL	JAW WIDTH	OPENING	WEIGHT
150MM	150MM	150MM	8KG
200MM	200MM	200MM	12KG



ANG-LOCK MILLING VICE

ANG-JAW APPLIES DOWN FORCE TO LIMIT MATERIAL BOWING

MODEL	JAW WIDTH	OPENING	JAW HEIGHT	BASE	WEIGHT
ANG-100	100MM	100MM	36MM	324X211MM	20KG
ANG-150	150MM	150MM	46MM	422X288MM	45KG
ANG-200	200MM	200MM	60MM	553X355MM	81KG



TOOLMAKERS ANG-LOCK MILLING VICE

BOTTOM AND SIDES ARE GROUND, VICE CAN BE CLAMPED AT 90 DEG.

MODEL	JAW WIDTH	OPENING	JAW HEIGHT	CLAMPING FORCE	WEIGHT
TM-100	100MM	100MM	36MM	1500KG	15KG
TM-150	150MM	150MM	46MM	2000KG	30KG



J-SERIES SUPER OPENING MILLING VICE - SCREW TYPE

3-POSITION VICE OFFERING LARGE CLAMPING CAPACITY

MODEL	JAW WIDTH	OPENING	JAW HEIGHT	BODY HEIGHT	CLAMPING FORCE	WEIGHT
J400	110MM	200MM	38MM	97MM	1500KG	25KG
J600	165MM	300MM	56MM	118MM	1500KG	46KG



HOLD-WELL HYDRAULIC MILLING VICE

PRECISE 3-POSITION VICE THAT IS FULLY SERVICABLE

MODEL	JAW WIDTH	OPENING	CLAMPING FORCE	JAW HEIGHT	BASE	WEIGHT
HWA-100	100MM	0-170MM	2500KG	36MM	395X160MM	18KG
HWA-125	125MM	0-220MM	4000KG	45MM	490X185MM	32KG
HWA-150	150MM	0-300MM	5000KG	51MM	570X240MM	60KG
HWA-200	200MM	0-300MM	7000KG	62MM	650X280MM	90KG



POLIGRIP RATCHET TYPE MILLING VICE

FAST ACTION RATCHET MILLING VICE WITH DOWN CLAMPING JAW + SWIVEL

MODEL	JAW WIDTH	JAW HEIGHT	OPENING	VICE HEIGHT	WEIGHT
VASA150	150MM	76MM	200MM	125+36MM	40KG

STRONG SOUTH AFRICAN MILLING VICES



SELF CENTERING VICE WITH SWIVEL BASE

SELF CENTERING MILLING + RADIAL DRILL VICE WITH SWIVEL BASE

MODEL	JAW WIDTH	JAW HEIGHT	BODY HEIGHT	VICE HEIGHT	WEIGHT
EQZ-160	160MM	52MM	160MM	148MM	33KG
EQZ-200	200MM	62MM	200MM	182MM	47KG
EQZ-250	250MM	70MM	250MM	192MM	68KG



MACHINE ACCESSORIES

MILLING MACHINE ACCESSORIES



ALIGN POWER FEED MOTORS FOR MILLING MACHINES

X,Y AND Z-AXIS FEED MOTOR KITS AVAILABLE

MODEL	AXIS	SPEED	RAPID SPEED	VOLT	WEIGHT
AL-500X	X-AXIS	4-160RPM	200RPM	110V	7KG
AL-500Y	Y-AXIS	4-160RPM	200RPM	110V	7KG
AL-500Z	Z-AXIS	4-160RPM	200RPM	110V	7KG

PLEASE NOTE THAT WE ARE EQUIPED TO REPAIR ALIGN FEED MOTORS



ALIGN POWER FEED MOTORS FOR MILL DRILL MACHINES

X-AXIS FEED MOTOR WITH TRANSFORMER

MODEL	AXIS	SPEED	RAPID SPEED	VOLT	WEIGHT
AL-200X	X-AXIS	0-165RPM	240RPM	110V WITH 380/220V TRANSFORMER	7KG



ALIGN PNEUMATIC DRAW BAR - FOR MILLING MACHINES

TIGHTEN YOUR TOOLING INTO YOUR SPINDLE WITH THE TOUCH OF A BUTTON IN SECONDS

MODEL	SPINDLE TAPER	SPEED	AIR PRESSURE	VOLTAGE	WEIGHT
PD-150	R8/ISO40	3000RPM	90PSI	24DC/110AC/220AC	10
PD-200	ISO50	3000RPM	90PSI	24DC/110AC/220AC	11



RIGHT ANGLE MILLING ATTACHMENT

90DEG MILLING HEAD

MODEL	SPINDLE TAPER	COLLAR DIAMETER	WEIGHT
RA-R8	R8	86MM	13
RA-ISO40	ISO40	86/100MM	18

MILL HORIZONTALLY ON YOUR TURRET MILL



HORIZONTAL MILLING ATTACHMENT

HEAD WITH ARBOUR AND SUPPORT

MODEL	SPINDLE TAPER	COLLAR DIAMETER	DOVE TAIL WIDTH OF SUPPORT	WEIGHT
HA-R8	R8	86	140-170MM	26
HA-R8	ISO40	86/100MM	140-170MM	26

HORIZONTAL MILLING SYSTEM



OVERSIZED SPLASH TRAY - 80% OF TABLE LENGTH

CHEMICAL RESISTANT FIBER GLASS SPLASH TRAY FOR MOST TURRET MILLS

MODEL	SIZE	DEPTH	WEIGHT
ST-1			

DESIGNED FOR TURRET MILL - PROUDLY A SOUTH AFRICAN PRODUCT



TURRET MILL RAISER BLOCK - 150MM

RAISE YOUR STANDARD TURRET MILL BY 150MM

MODEL	RAISE HEIGHT	HEIGHT	WEIGHT
RB-150	150MM		60KG

BUILT TO RAISE YOUR STANDARD TURRET MILL BY 150MM

MACHINE ACCESSORIES

ROTARY TABLES AND DIVIDING HEADS



DIVIDING HEAD

SUPPLIED WITH HEAD, TAILSTOCK, DIVIDING PLATES AND CHUCK

MODEL	CENTRE HEIGHT	CHUCK DIA.	TAPER OF HOLE	WEIGHT
BS-0	100MM	125MM	MT2	20
BS-1	128MM	160MM	MT3	32



DIVIDING HEAD - UNIVERSAL TYPE WITH GEARS

SUPPLIED WITH HEAD, TAILSTOCK, DIVIDING PLATES, GEARS AND CHUCK

MODEL	CENTRE HEIGHT	CHUCK	TAPER OF HOLE	WEIGHT
BS-2	134MM	200MM	MT4	65



ROTARY TABLES - 150-405MM DIAMETER

SUPPLIED WITH DIVIDING PLATES

MODEL	FACE DIAMETER	LOAD HORIZONTAL	LOAD VERTICAL	TAPER OF HOLE	WEIGHT
HV-6	150MM	40KG	20KG	MT2	12KG
HV-8	200MM	80KG	40KG	MT3	25KG
HV-10	250MM	90KG	50KG	MT3	36KG
HV-12	305MM	120KG	60KG	MT4	59KG
HV-14	355MM	130KG	70KG	MT4	77KG
HV-16	400MM	140KG	70KG	MT4	107KG



ADJUSTABLE TAILSTOCKS FOR ROTARY TABLES

ADJUSTABLE TAILSTOCKS FOR VERTEX ROTARY TABLES

MODEL	CENTRE HEIGHT	SUITABLE FOR	WEIGHT
TS-1	1180-108MM	HV-6	4KG
TS-2	115-145MM	HV-8	6KG
TS-3	130-205MM	HV-10/12	8KG
TS-4	182-260MM	HV-14/16	12KG



C4-SERIES 4TH AXIS CNC ROTARY TABLES

PRECISION 4-AXIS CNC ROTARY TABLE

MODEL-	101	151	201	251	321	401	501	631	801
FACE DIA.	120	150	200	250	320	400	500	630	800
CENTRE HEIGHT	115	135	135	185	210	250	310	400	480

FULL CONTURING OR CNC POSITION AND LOCK MODELS



CMT-SERIES 4+1 AXIS ROTARY TABLE WITH MANUAL 5TH AXIS

HIGH PRECISION ROTARY WITH MANUAL TILTING SYSTEM

MODEL- CMT	201	321	401
FACE DIA.	200MM	320MM	400MM
TILTING ANGLE	0-105 DEG.	0-100 DEG.	

FULL CONTURING OR CNC POSITION AND LOCK MODELS



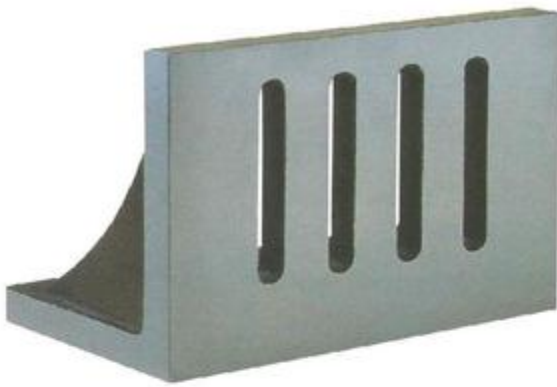
C5-SERIES 5-AXIS CNC ROTARY TABLE (TILT + TURN)

HIGH PRECISION BOLT ON 5-AXIS CNC ROTARY TABLE

MODEL-	200	320	450	630
FACE DIA.	200	320	450	630
TILTING ANGLE	-110-100DEG.	-15-115DEG.	-15-105DEG	-15-115DEG

MACHINE ACCESSORIES

TABLES AND MOUNTING FIXTURES



ANGLE PLATE - 90DEG. FIXED TYPE

SOLID CAST IRON 90DEG. ANGLE PLATE WITH GROUND SURFACES

MODEL	FACE SIZE	TLT ANGLE
AAP3030	300X300	90DEG. FIXED
AAP3040	300X400	90DEG. FIXED



TILTING TABLES - VERTICAL OR HORIZONTAL TYPE

SOLID CAST IRON ADJUSTABLE ANGLE PLATE WITH GROUND SURFACES - 0-90DEG.

MODEL	TABLE SIZE	TILT ANGLE	ANGLE LOCKING SYSTEM	WEIGHT
ATH1513	150x130MM	0-90DEG.	2XSPANNER TIGHTENED NUTS	8KG
ATH2015	200x150MM	0-90DEG.	2XSPANNER TIGHTENED NUTS	13KG
ATH2520	250x200MM	0-90DEG.	2XSPANNER TIGHTENED NUTS	28KG
ATH3025	300x255MM	0-90DEG.	2XSPANNER TIGHTENED NUTS	48KG
ATH3830	380x300MM	0-90DEG.	2XSPANNER TIGHTENED NUTS	78KG



ANGLE PLATE - SCREW ADJUSTABLE TYPE

SOLID CAST IRON ADJUSTABLE ANGLE PLATE WITH GROUND SURFACES

MODEL	TABLE SIZE	TLT ANGLE	ANGLE LOCKING SYSTEM	WEIGHT
ATS1813	180x130MM	+45 -45DEG.	SCREW TYPE ADJUSTMENT AND LOCK	8KG
ATS2518	250x180MM	+45 -45DEG.	SCREW TYPE ADJUSTMENT AND LOCK	23KG
ATS3025	300x255MM	+45 -45DEG.	SCREW TYPE ADJUSTMENT AND LOCK	37KG
ATS3826	380x260MM	+45 -45DEG.	SCREW TYPE ADJUSTMENT AND LOCK	70KG
ATS6030	600x300MM	+45 -45DEG.	SCREW TYPE ADJUSTMENT AND LOCK	100KG



COMPOUND TABLE - 2-AXIS TYPE

X+Y-AXIS COMPOUND TABLE WITH GROUND SURFACES

MODEL	TABLE SIZE	X-TRAVEL	Y-TRAVEL	BASE DIMENSIONS	WEIGHT
ACT1750	165x495MM	210MM	100MM	280x260MM	40KG
ACT2055	195x555MM	240MM	140MM	315x335MM	45KG
ACT2064	205x640MM	370MM	150MM	320x238	60KG



HEAVY DUTY COMPOUND TABLE - 2-AXIS TYPE

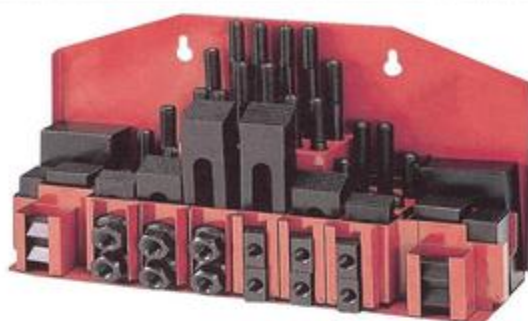
X+Y-AXIS COMPOUND TABLE WITH GROUND SURFACES

MODEL	TABLE SIZE	X-TRAVEL	Y-TRAVEL	BASE DIMENSIONS	WEIGHT
ACT3290	320x900MM	400MM	320MM	400x650MM	280KG

SHOWN WITH OPTIONAL ALIGN FEED MOTOR

MACHINE ACCESSORIES

COLLETS, CLAMPKITS AND BORING HEADS



CLAMPING KIT SET - UNIVERSAL TYPE 52PCS

QUALITY UNIVERSAL CLAMPING KIT SET

MODEL	THREAD IN T-NUT	T-NUT SIZE (NARROWEST PART)	PCS IN KIT	WEIGHT
CK-10	M10	12MM T-NUT	52PCS	8KG
CK-12	M12	16MM T-NUT	52PCS	12KG
CK-16	M16	18MM T-NUT	52PCS	13KG
CK-20	M20	22MM T-NUT	52PCS	28KG



POSI-LOCK COLLET CHUCK SET 4PCS 6-16MM

FOR THE USE WITH THEADED END MILLS, SET INCL. 4 COLLETS (6, 10, 12, 16MM)

MODEL	TAPER FITTING	COLLET SIZE IN KIT	WEIGHT	SPARE COLLETS
CC4-MT3	MT3	6,10,12,16MM	2KG	
CC4-R8	R8	6,10,12,16MM	2.5KG	
CC4-ISO40	ISO40	6,10,12,16MM	2.8KG	



COLLET CHUCK SET 7PCS 6-25MM

FOR THE USE WITH END MILLS, SET INCL. 7PCS COLLETS (6, 10, 12, 16, 20, 22, 25MM)

MODEL	TAPER FITTING	COLLET SIZES IN KIT	WEIGHT
CC7-ISO40	ISO40	6,8,10,12,16,20,25MM	5KG
CC7-ISO50	ISO50	6,8,10,12,16,20,25MM	8KG

SUPPLIED WITH 7 COLLETS



DIRECT COLLETS - METRIC AND IMPERIAL SIZES

COLLETS THAT FIT DIRECTLY INTO YOUR MACHINES SPINDLE

MODEL	TAPER FITTING	AVAILABLE IN THE FOLLOWING COLLET SIZES
DC-R8	R8	6, 8, 10, 12, 16, 20MM
DC-MT3	MT3	6, 8, 10, 12, 16, 20MM



MATCHLING - PRECISION BORING HEAD

PRECISION BORING HEAD SET

MODEL	TAPER FITTING	HEAD SIZE	BORING RANGE	SLIDE STROKE	WEIGHT
MCL85-R8	R8	82MM	10-240MM DIA.	27MM	6KG
MCL85-ISO40	ISO40				
MCL85-ISO50	ISO50				



F21-SERIES AUTO BORING AND FACING HEAD

AUTOMATIC BORING AND FACING HEAD WITH FEED

MODEL	TAPER FITTING	HEAD SIZE	FACING DIA.	SLIDE STROKE	SLIDE	FEED (MM/REV)	FEED / GRAD.	WEIGHT
F21-2	R8 / ISO40	90MM	150MM	+15 -15MM	75MM	0.02, 0.04, 0.08, 0.10, 0.12	0.005MM	5KG
F21-3	ISO40 / ISO50	120MM	350MM	+25 -25MM	105MM	0.03, 0.06, 0.09	0.005MM	8KG
F21-4	ISO50	168MM	450MM	+50 -50MM	160MM	0.12, 0.15, 0.18		10KG



MACHINE ACCESSORIES

DRILL SLEEVES, ARBORS AND REVOLVING CENTRES



MORSE TAPER REDUCTION SLEEVES - MT

REDUCE THE MT DOWN TO SMALLER MORSE TAPER

MODEL	STARTING TAPER - MALE	REDUCTION TAPER - FEMALE			
MT5	MT5	MT-4	MT-3	MT-2	MT-1
MT4	MT4	MT3	MT-2	MT-1	-
MT3	MT3	MT2	MT-1	-	-



MORSE TAPER DRILL CHUCK ARBOUR

MALE TO MALE MORSE TAPER DRILL CHUCK ARBOUR

MODEL	DRILL TAPER - MALE	DRILL CHUCK TAPER - MALE		
DA-MT4	MT4	B16	B18	JT6
DA-MT3	MT3	B16	B18	JT6



DRILLING ARBOUR FOR MILLING SPINDLES

MALE TO MALE MILLING TAPER TO DRILL CHUCK ARBOUR

MODEL	MILLING TAPER - MALE	DRILL CHUCK TAPER - MALE	
R8-B16	R8	B16	JT6
ISO40-B16	ISO40	B16	JT6



MILLING TO DRILLING TAPER ADAPTERS R8/ISO40-MT

MALE TO FEMALE MILLING TAPER TO MORSE TAPER

MODEL	MILLING TAPER - MALE	DRILLING TAPERS AVAILABLE - FEMALE	
R8-MT	R8	MT4	MT3
ISO40-MT	ISO40	MT4	MT3



KEYLESS DRILL CHUCK - 0-13MM AND 1-16MM

SELF LOCKING KEYLESS DRILL CHUCKS - FEMALE TAPER FITTING

MODEL	DRILL CAPACITY	DRILL ARBOUR FEMALE TAPER	
DC-13	0-13MM DIA.	B16	JT6
DC-16	3-16MM DIA.	B16	JT6



BISON PRECISION LIVE CENTRES

EUROPEAN QUALITY REVOLVING CENTRES - QUALITY WHERE YOU NEED IT MOST

TAPER	MAX LOAD	MAX RPM
BISON-MT3	420KG	4000RPM
BISON-MT4	840KG	3000RPM
BISON-MT5	2000KG	2500RPM
BISON-MT6	9500KG	1000RPM



PIPE CENTRES - BULL NOSE TYPE

QUALITY REVOLVING CENTRES WITH PIPE FITTING CONE.

TAPER	CONE SIZES / MAX RPM / LOAD		
MT3	75MM / 3300RPM / 400KG	100MM / 3000RPM / 500KG	-
MT4	100MM / 3000RPM / 500KG	125MM / 2000RPM / 650KG	150MM / 1900RPM / 800KG
MT5	125MM / 2000RPM / 650KG	150MM / 1900RPM / 800KG	200MM / 1500RPM / 1600KG



MWLN - EXTERNAL LATHE TOOLS

MODEL MWLN-L / MWLN-R		1616H-06SW	2020K-06W	2525M-06W	3232P-08W	WNMG 060404/08
SHANK SIZE	MM	16x16	20x20	25x25	32x32	
CARBIDE INSERT	MM	WNMG 060604 / 08				
HEAD WIDTH	MM	16	25	32	40	
INSERT TIP HEIGHT	MM	16	20	25	32	
OVERALL LENGTH	MM	100	125	150	170	



MVJNR - EXTERNAL LATHE TOOLS

MODEL MVJNL / MVJNR		2020K-16	2525M-16	VNMG 160404/08
SHANK SIZE	MM	20x20	25x25	
CARBIDE INSERT	MM	VNMG 160404 / 08		
HEAD WIDTH	MM	25	32	
INSERT TIP HEIGHT	MM	20	25	
OVERALL LENGTH	MM	125	150	



EXTERNAL THREADING TOOL HOLDER - LEFT OR RIGHT

INSERT IS SET AT 10DEG.

MODEL SWL-		1616H16	2020K16	2525M16	3232P16	LT16.01W or RT16.01W
SHANK SIZE	MM	16x16	20x20	25x25	32x32	
CARBIDE INSERT	MM	LT16 LEFT HAND (16MM) RT16 RIGHT HAND (16MM)				
HEAD WIDTH	MM	20	25	32	40	
INSERT TIP HEIGHT	MM	16	20	25	32	



PARTING BLADE HOLDER

UNIVERSAL PARTING BLADE HOLDER

MODEL SBU-		2026	2526	2532	3232	CGIH - GT3N INSERT
HOLDING SHANK	MM	20	25	25	32	
SHANK LENGTH	MM	19	23	23	30	
INSERT TIP HEIGHT	MM	20	25	25	32	
OVERALL HEIGHT	MM	46.6	46.6	50	54	



BORING BARS

METAL BORING BARS

MODEL		S12M-SCLCR 06	S16Q-SCLCR 09	S25R-SCLCR 09	CCMT 060204 CCMT 090204
SHANK DIAMETER	MM/DIA	16	20	25	
CARBIDE INSERT	MM	CCMT 060204	CCMT 090204		
HEAD WIDTH	MM	20	25	32	
BAR LENGTH	MM	150	180	150	



INTERNAL THREADING TOOL - LEFT OR RIGHT

INSERT IS SET AT 15DEG.

MODEL SNL / SNR		0016M16	0020Q16	0025M16	0032S16	LT16.01W or RT16.01W
SHANK DIAMETER	MM/DIA	16	20	25	32	
CARBIDE INSERT	MM	LT16 LEFT HAND (16MM) RT16 RIGHT HAND (16MM)				
HEAD WIDTH	MM	20	25	32	40	
BAR LENGTH	MM	150	180	150	250	





MAROX MILLING TOOLS

SOLID ROSE CUTTER



MAROX - ROSE CUTTER - MT3 TAPER

SOLID 1PCS DESIGN - MT3 TAPER

MODEL	DIAMETER	TAPER (MALE)	OVERHANG	NO. OF TIPS
ME30-MT3	30MM	R8	34MM	3
ME40-MT3	40MM	R8	34MM	3
ME50-MT3	50MM	R8	34MM	3
ME63-MT3	63MM	R8	34MM	4

USES TP-1603 TRIANGLE CARBIDE TIPS (TPKN-1603)



MAROX - ROSE CUTTER - R8 TAPER

SOLID 1PCS DESIGN - R8 TAPER

MODEL	DIAMETER	TAPER (MALE)	OVERHANG	NO. OF TIPS
ME30-R8	30MM	R8	29MM	2
ME40-R8	40MM	R8	29MM	3
ME50-R8	50MM	R8	35MM	3
ME63-R8	63MM	R8	40MM	4
ME75-R8	75MM	R8	40MM	5

USES TP-1603 TRIANGLE CARBIDE TIPS (TPKN-1603)



MAROX - ROSE CUTTER - ISO40 TAPER

SOLID 1PCS DESIGN - ISO TAPER

MODEL	DIAMETER	TAPER (MALE)	OVERHANG	NO. OF TIPS	TP-1603
ME30-ISO40	30MM	ISO40	34MM	2	
ME40-ISO40	40MM	ISO40	34MM	3	
ME50-ISO40	50MM	ISO40	34MM	3	
ME63-ISO40	63MM	ISO40	34MM	4	
ME75-ISO40	75MM	ISO40	34MM	5	

USES TP-1603 TRIANGLE CARBIDE TIPS (TPKN-1603)



MAROX - FACE

MILLING HEAD TO BE USED WITH TAPER ARBOUR - R8, ISO40 OR ISO50 TAPER ARBOUR

MODEL	DIAMETER	SPIGOT DIA.	OVERHANG	NO. OF TIPS	TPKN2204
MTP4-80	80MM	25.4MM	27MM	5	
MTP4-100	100MM	31.75MM	32MM	6	
MTP4-125	125MM	38MM	40MM	8	
MTP4-160	160MM	50.8MM	40MM	10	
MTP4-200	200MM	47.6MM	60MM	14	

USES TP-2204 TRIANGLE CARBIDE TIPS (TPKN-2204)



CARBIDE TIPS FOR MAROX ROSE CUTTERS - TP (TPKN)

TRIANGLE CARBIDE INSERT TIP

MODEL	LENGTH	CNR ANGLE	INNER BORE	THICKNESS	CNR RADIUS
TP1603	9.6MM	60DEG.	2.5MM	2.38MM	0.4MM
TPKN2204	20.7MM	60DEG.	4MM	4.76MM	0.6MM

TP- TYPE CARBIDE INSERTS (TPKN-UNIVERSAL CODE)

BT-TAPER CNC MILLING TOOLS

ER-COLLET AND SIDE LOCK HOLDING SYSTEMS

ZZ-Tools



BT40 - ER COLLET CHUCKS

UNIVERSAL ER-COLLET HOLDERS WITH BT-40 TAPER

MODEL		ER16/BT40	ER32/BT40	ER40/BT40
MILLING TAPER (MALE)	BT-	BT40	BT40	BT40
INTERNAL BORE OF COLLET ID. (FEMALE STRAIGHT SHANK)	MM	3-10	3-20	3-26
EXTENSION LENGTH	MM	75,100,125,150,180	70,100,150	80,100,120,150



BT50 - ER COLLET CHUCKS

UNIVERSAL ER-COLLET HOLDERS WITH BT-50 TAPER

MODEL		ER16/BT50	ER32/BT50	ER40/BT50
MILLING TAPER (MALE)	BT-	BT50	BT50	BT50
INTERNAL BORE OF COLLET ID. (FEMALE STRAIGHT SHANK)	MM	3-10	3-20	3-26
EXTENSION LENGTHS	MM	70,90,105,135,150,165	80,100,120,150,200	80,100,120,135



ER- COLLET CHUCK SPANNERS

SPANNERS FOR THE ER-COLLET CHUCKS

MODEL		ER16/SPAN	ER32/SPAN	ER40/SPAN
COLLET SYSTEM		ER16	ER32	ER40



ER COLLET SETS

UNIVERSAL ER-COLLET SET

ER COLLET SET -		ER16/SET	ER32/SET	ER40/SET
COLLETS IN SET	NO	10	18	
INTERNAL BORE OF COLLET ID. (FEMALE STRAIGHT SHANK)	MM	3-10	3-20	3-26
COLLET HEIGHT	MM	27.5	34	46
COLLET DIAMETER	MM	17	33	40



SIDE LOCK HOLDERS - BT TAPER

BT-TAPER SIDE LOCK HOLDER

SIDE LOCK -		BT40/SL	BT50/SL
MILLING TAPER	MM	BT40	BT50
INTERNAL BORE ID. (FEMALE STRAIGHT SHANK)	MM	6,8,10,12,16,18,20,25,32	6,8,10,12,16,20,25,32,40,42,50,63



RIDGED TAPPING HOLDER

BT-TAPER RIDGED TAPING HOLDER

MODEL		RT-BT40/ER16	RT-BT40/ER32	RT-BT50/32
ER-COLLET SIZE	ER	ER-16	ER-32	ER32
MILLING TAPER (MALE)	BT	BT-40	BT-40	BT-50
MAX TAP DIAMETER	MM/DIA	M10	M20	M20

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MACHINE
ACCESSORIES





BT40 - MT DRILL ADAPTOR

MILLING TAPER TO DRILLING TAPER ADAPTOR ARBOUR

MODEL		BT40/MT	BT50/MT
MILLING TAPER (MALE BT TAPER)	BT-	BT40	BT40
DRILLING TAPER (FEMALE MORSE TAPER)	MT	3/4	3-20
EXTENSION LENGTH	MM	75,100,125,150,180	70,100,150



FACE MILL ARBOUR

UNIVERSAL FACE MILL ARBOUR

MODEL		BT40	BT50
MOUNTING MILLING TAPER (MALE)	BT-	BT40	BT50
FLANGE DIAMETER	MM	25.4 / 31.75 DIA.	25.4 / 31.75 / 38.1 / 50.8 DIA.
EXTENSION LENGTH (SPINDLE TO CUTTER FACE)	MM	45,60,90,105	70,100,150



BT40 - ER COLLET CHUCKS

KEYLESS DRILL CHUCKS FOR CNC MILL

MODEL		ER16/BT40	ER32/BT40	ER40/BT40
MILLING TAPER (MALE)	BT-	BT40	BT40	BT40
INTERNAL BORE OF COLLET ID. (FEMALE STRAIGHT SHANK)	MM	3-10	3-20	3-26
EXTENSION LENGTH	MM	75,100,125,150,180	70,100,150	80,100,120,150



PULL STUDS FOR BT-TAPER

PULL STUDS FOR PNEUMATIC HOLDING SYSTEMS

MODEL		BT40/45	BT50/45
HOLDING TAPER	DEG.	45	45
MALE THREAD	PITCH	M16	M24



BT-TAPER CLEANER

TAPER SHAPED WIPER TO CLEAR OIL AND CHIP FROM SPINDLE TAPERS

MODEL		BT40	BT50
TAPER ANGLE	DEG.	45	45



BISON PRECISION LATHE CHUCKS MADE IN POLAND



BISON 3-JAW SELF CENTERING LATHE CHUCK - 80-1600MM DIA.

PRECISION BACK PLATE MOUNT CHUCK, BOLTS ON FROM BACK

MODEL 3204-		80	100	125	160	200	250	325	380	400	500	630
DIAMETER	MM	80	100	125	160	200	250	325	380	400	500	630
BORE ID.	MM	16	22	30	40	65	80	100	135	138	210	270
BOLT PCD	MM	66	84	108	142	180	226	296	350	368	465	595
FLANGE RECESS	MM	55	72	95	130	165	206	272	325	340	440	560
MAX RPM	RPM	4000	3500	3000	2500	2000	1600	1200	1000	1000	800	600
WEIGHT	KG	2	3.5	5	9	16	26	49	65	74	124	217

SUPPLIED WITH 2 SETS OF JAWS. DIRECT FITTING CHUCKS ARE AVAILABLE ON REQUEST



BISON 4-JAW SELF CENTERING LATHE CHUCK - 100-2500MM DIA.

PRECISION BACK PLATE MOUNT CHUCK, BOLTS ON FROM BACK

MODEL 3604-		80	100	125	160	200	250	325	380	400	500	630
DIAMETER	MM	80	100	125	160	200	250	325	380	400	500	630
BORE ID.	MM	16	22	30	40	65	80	100	135	138	210	270
BOLT PCD	MM	66	84	108	142	180	226	296	350	368	465	595
FLANGE RECESS	MM	55	72	95	130	165	206	272	325	340	440	560
MAX RPM	RPM	4000	3500	3000	2500	2000	1600	1200	1000	1000	800	600
WEIGHT	KG	2	3.5	5	9	16	26	49	65	74	124	217

SUPPLIED WITH 2 SETS OF JAWS. DIRECT FITTING CHUCKS ARE AVAILABLE ON REQUEST



BISON 4-JAW INDEPENDANT LATHE CHUCK - 80-2000MM DIA.

FRONT MOUNT CHUCK WITH REVERSABLE JAWS

MODEL 4306-		80	100	160	200	250	315	400	500	630	800	1000	1250
DIAMETER	MM	80	100	160	200	250	320	400	500	630	800	1000	1250
BORE ID.	MM	20	25	42	50	65	80	100	125	160	200	190	190
BOLT PCD	MM	54	54	69.9	82.6	104.8	133.4	171.4	235	235	300	330	500
FLANGE RECESS	MM	55	72	65	80	110	140	160	200	220	250	320	400
MAX RPM	RPM	4000	3500	2500	2000	1600	1200	1000	800	600	500	400	300
WEIGHT	KG	2	3.5	9	15	23	40	55	102	159	255	418	500+

DIRECT FITTING, BIG BORE AND SIZES BIGGER THAN 1250MM ARE AVAILABLE ON REQUEST



**BAR GRIPPING /
INSIDE JAW**



**REVERSE /
OUTSIDE JAW**



MASTERBASE JAW



**SOFT BOLT ON
TOP JAW**



SOFT SOLID JAW



**REPLACEMENT
SCROLLS**



**REPLACEMENT
PINIONS**



**HIGH QUALITY BISON
PRODUCTS MADE IN POLAND**

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**MACHINE
ACCESSORIES**



HUHHOT PRECISION LATHE CHUCKS MADE IN CHINA



3-JAW SELF CENTERING LATHE CHUCK - 80-1600MM DIA.

PRECISION BACK PLATE MOUNT CHUCK, BOLTS ON FROM BACK

MODEL K11-		80	100	125	160	200	250	325	380	400	500	630
DIAMETER	MM	80	100	125	160	200	250	325	380	400	500	630
BORE ID.	MM	16	22	30	40	65	80	100	135	138	210	270
BOLT PCD	MM	66	84	108	142	180	226	296	350	368	465	595
FLANGE RECESS	MM	55	72	95	130	165	206	272	325	340	440	560
MAX RPM	RPM	4000	3500	3000	2500	2000	1600	1200	1000	1000	800	600
WEIGHT	KG	2	3.5	5	9	16	26	49	65	74	124	217

SHOWN WITH OPTIONAL BOLT ON TOP JAW. DIRECT FITTING CHUCKS ARE AVAILABLE ON REQUEST



4-JAW SELF CENTERING LATHE CHUCK - 80-1600MM DIA.

PRECISION BACK PLATE MOUNT CHUCK, BOLTS ON FROM BACK

MODEL K12-		80	100	125	160	200	250	325	380	400	500	630
DIAMETER	MM	80	100	125	160	200	250	325	380	400	500	630
BORE ID.	MM	16	22	30	40	65	80	100	135	138	210	270
BOLT PCD	MM	66	84	108	142	180	226	296	350	368	465	595
FLANGE RECESS	MM	55	72	95	130	165	206	272	325	340	440	560
MAX RPM	RPM	4000	3500	3000	2500	2000	1600	1200	1000	1000	800	600
WEIGHT	KG	2	3.5	5	9	16	26	49	65	74	124	217

SHOWN WITH OPTIONAL BOLT ON TOP JAW. DIRECT FITTING CHUCKS ARE AVAILABLE ON REQUEST



4-JAW INDEPENDANT LATHE CHUCK - 80-2000MM DIA.

FRONT MOUNT CHUCK WITH REVERSABLE JAWS

MODEL K72-		80	100	160	200	250	320	400	500	630	800	1000	1250	1600	2000
DIAMETER	MM	80	100	160	200	250	320	400	500	630	800	1000	1250	1600	2000
BORE ID.	MM	22	25	45	56	75	95	125	160	180	210	260	305	320	350
BOLT PCD	MM	66	84	95	112	130	165	185	236	258	300	370	500	520	560
FLANGE RECESS	MM	55	72	65	80	110	140	160	200	220	250	320	400	420	450
MAX RPM	RPM	4000	3500	2500	2000	1600	1200	1000	800	600	500	400	300	200	150
WEIGHT	KG	2	3.5	9	15	23	40	55	102	159	255	418	500+	800+	1000+

SHOWN WITH OPTIONAL BOLT ON TOP JAW. DIRECT FITTING CHUCKS ARE AVAILABLE ON REQUEST



6-JAW SELF CENTERING LATHE CHUCK - 100-380MM DIA.

PRECISION BACK PLATE MOUNT CHUCK, BOLTS ON FROM BACK

MODEL K13-		100	165	200	252	325	380
DIAMETER	MM	100	165	200	252	325	380
BORE ID.	MM	26	42	65	80	100	135
BOLT PCD	MM	84	145	180	226	296	350
FLANGE RECESS	MM	72	130	165	206	272	325
WEIGHT	KG	3.5	9	16	26	49	65

6-JAW CHUCKS ARE AVAILABLE ON REQUEST. OPTION OF STANDARD STEP OR SLOPPED JAW AS SHOWN.



CHUCK MOUNTING BACKPLATES

DIN AND CAMLOCK FITTING



CAMLOCK 3-PIN BACK PLATE (D1-4)

PRECISION BACK PLATE MOUNT CHUCK, BOLTS ON FROM BACK

MODEL D1-		D1-4
DIAMETER	MM	160/200
LOCK TAPER ID.	MM	53.975
PIN PCD	MM	82.513



CAMLOCK 6 PIN BACKPLATE - D1 FITTING

BACKPLATES FOR MOUNTING LATHE CHUCKS

MODEL D1-		D1-6	D1-8	D1-11	D1-15
DIAMETER	MM	200/250/315	250/325/400	400/500	400/500/630
LOCK TAPER ID.	MM	63.513	106.375	196.869	285.775
PIN PCD	MM	133.4	171.4	235	330.2



DIN 4-BOLT BACKPLATE - DIN 55027 FITTING

BACKPLATES FOR MOUNTING LATHE CHUCKS

MODEL DIN-		DIN 4	DIN 6	DIN 8
DIAMETER	MM	200/250/315	250/325/400	400/500
LOCK TAPER ID.	MM	63.513	106.375	196.869
PIN PCD	MM	133.4	171.4	235



DIN 6-BOLT BACKPLATE - DIN 55027 FITTING

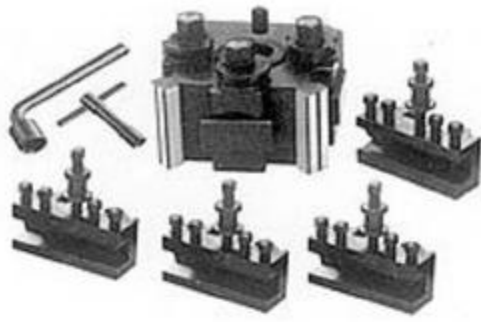
BACKPLATES FOR MOUNTING LATHE CHUCKS

MODEL DIN-		DIN 11	DIN 15
DIAMETER	MM	400/500	400/500/630
LOCK TAPER ID.	MM	196.869	285.775
PIN PCD	MM	235	330.2



QUICK CHANGE TOOL POST

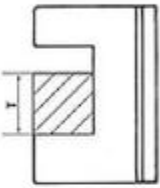
300-1200MM SWING LATHES



QUICK CHANGE TOOLPOST - ITALIAN TYPE

FOR LATHES FROM 250-1200MM SWING
KIT INCLUDES: 4-HOLDERS, 2X WRENCHES, GUIDE PIN AND BODY

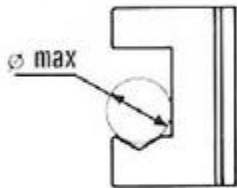
MODEL	TYPE-A	TYPE-BR	TYPE-B	TYPE-C	TYPE-D
FOR LATHES WITH SWING OF:	250-350MM	300-380MM	350-500MM	500-650MM	650-1200MM



SQUARE HOLDER - FOR TURNING TOOLS

EXTRA SQUARE HOLDERS FOR TYPE-A,BR,B,C,D

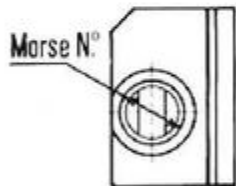
MODEL	502-A	502-BR	502-B	502-C	502-D
FOR TURNING TOOL OF:	20x20MM	25x25MM	32x32MM	32x32MM	40x40MM



GROOVED HOLDER - ROUND BORING BARS

EXTRA GROOVE HOLDERS FOR TYPE-A,BR,B,C,D

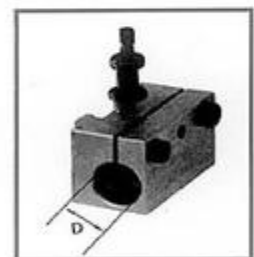
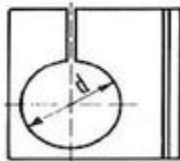
MODEL	503-A	503-BR	503-B	503-C	503-D
FOR BORING BARS OF:	18MM DIA.	20MM DIA.	24MM DIA.	26MM DIA.	35MM DIA.



MORSE TAPER HOLDER - FOR MT DRILLS

EXTRA HOLDERS TO HOLD MORSE TAPER DRILLS FOR TYPE-A,BR,B,C,D

MODEL	504-A	504-BR	504-B	504-C	504-D
FOR DRILLS WITH THESE TAPERS:	MT2	MT3	MT3	MT4	MT5



BORING BAR HOLDER - ROUND BORING BARS

PARRALLEL CLAMPING TYPE HOLDERS FOR TYPE-A,BR,B,C,D

MODEL	540-A	540-BR	540-B	540-C	540-D
FOR BORING BARS OF:	25MM DIA.	32MM DIA.	40MM DIA.	50MM DIA.	60MM DIA.



SPARE PARTS FOR QC-TOOLPOSTS

PLEASE CONTACT US WHEN LOOKING FOR SPARES

PARTS ARE AVAILABLE ON REQUEST

COOLANT AND LUBRICATION

OIL AND SOLUBLE OIL PUMP SYSTEMS



1/8HP COOLANT PUMP - SUBMERGABLE STEM TYPE

COOLANT PUMP FOR MOST MACHINE TOOLS - 220 OR 380VOLT

MODEL	MOTOR POWER	STEM LENGTH	PUMPING WATER	WEIGHT
110	1/8HP (90W)	110MM	27-28LITERS/MIN	6KG
130	1/8HP (90W)	130MM		
150	1/8HP (90W)	150MM		
180	1/8HP (90W)	180MM		



COOLANT INSTALLATION

COOLANT SYSTEM FOR SOLUABLE OIL + WATER MIX
COMPLETE WITH PUMP, TANK, TAP, SPOUT AND ELECTRICS

MODEL	MOTOR POWER	ELECTRICS	PUMPING WATER	WEIGHT
CI-1/5L	1/8HP	220VOLT	27-28LITERS/MIN	15KG



COOLANT SPOUTS - METAL TYPE

HEAVY DUTY COOLANT SPOUT FOR MACHINE TOOLS

MODEL	LENGTH	FITTING
SPOUT-M	710MM	3/4 INCH FEMALE



COOLANT SPOUTS - CLICK PLASTIC TYPE

FLEXABLE PLASTIC SPOUT WITH TAP FOR MACHINE COOLANT/CUTTING FLUID

MODEL	LENGTH	FITTING
SPOUT-P	610MM	3/4 INCH MALE



ONE-SHOT LUBRICATOR - CENTRAL LUBRICATION SYSTEM

CENTRAL LUBRICATION SYSTEM FOR MACHINE TOOLS

MODEL	PUMP CAPACITY	FLOW
YL-H8	15KG/MM	8ML



MAGNETIC CHUCKS

CLAMPING SYSTEMS FOR GRINDERS



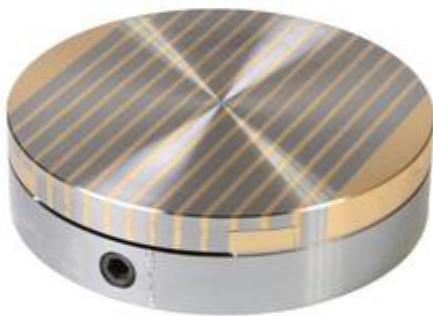
PERMANENT MAGNETIC CHUCK - RECTANGLE

PERMANENT MAGNETIC CHUCK WITH LEVER ACTIVATION							
MODEL MC-		125x250	300x150	450x150	200x500	200x550	250x600
WIDTH	MM	125	150	150	200	200	250
LENGTH	MM	250	300	450	500	550	600
MAGNETIC STRENGTH	GUASS	450	450	450	450	450	450
HEIGHT	MM	73	73	73	73	73	90
POLE PITCH	MM	8.5(2.5+6)					18(3+15)



PERMANENT MAGNETIC CHUCK - FINE POLE RECTANGLE

PERMANENT MAGNETIC CHUCK WITH LEVER ACTIVATION							
MODEL MCF-		125x250	300x150	450x150	200x500	200x550	250x600
WIDTH	MM	125	150	150	200	200	250
LENGTH	MM	250	300	450	500	550	600
MAGNETIC STRENGTH	GUASS	500	500	500	500	500	500
HEIGHT	MM	47	47	47	48		
POLE PITCH	MM	2(1+1)					



PERMANENT MAGNETIC CHUCK - ROUND

PERMANENT MAGNETIC CHUCK WITH LEVER ACTIVATION							
MODEL MCR-		150	250	300	400	500	600
DIAMETER	MM	150	250	300	400	500	600
HEIGHT	MM	78	78	78	63	65	65
POLE PITCH	MM	9(2+7)	9(2+7)	9(2+7)	16(4+12)	16(4+12)	16(4+12)



ELECTRO MAGNETIC CHUCK - RECTANGLE

MAGNETIC CHUCK + CONTROLLER WITH DE-MAGNITIZER						
MODEL MC-		250x500	300x600	400x800	500x1000	750x1500
WIDTH	MM	250	300	400	500	750
LENGTH	MM	500	600	800	1000	1500
MAGNETIC STRENGTH	GUASS	450	450	450	450	450
HEIGHT	MM	72	72	72	81	88
POLE PITCH	MM	16(3+13)	16(3+13)	21(4+17)	21.5(4+17.5)	24(4+20)



DE-MAGNITIZER

INDEPENDANT ELECTRIC DEMAGNITIZERS		
MODEL		DEMAG-2015
WIDTH	MM	200
LENGTH	MM	150
VOLTAGE	VOLT	220
WEIGHT	KG	9



3D SCANNING AND REVERSE ENGINEERING SYSTEMS

SCAN TO PC AND CUT ON CNC OR 3D PRINT

INDUSTRIAL/ENGINEERING GRADE 3D SCANNERS

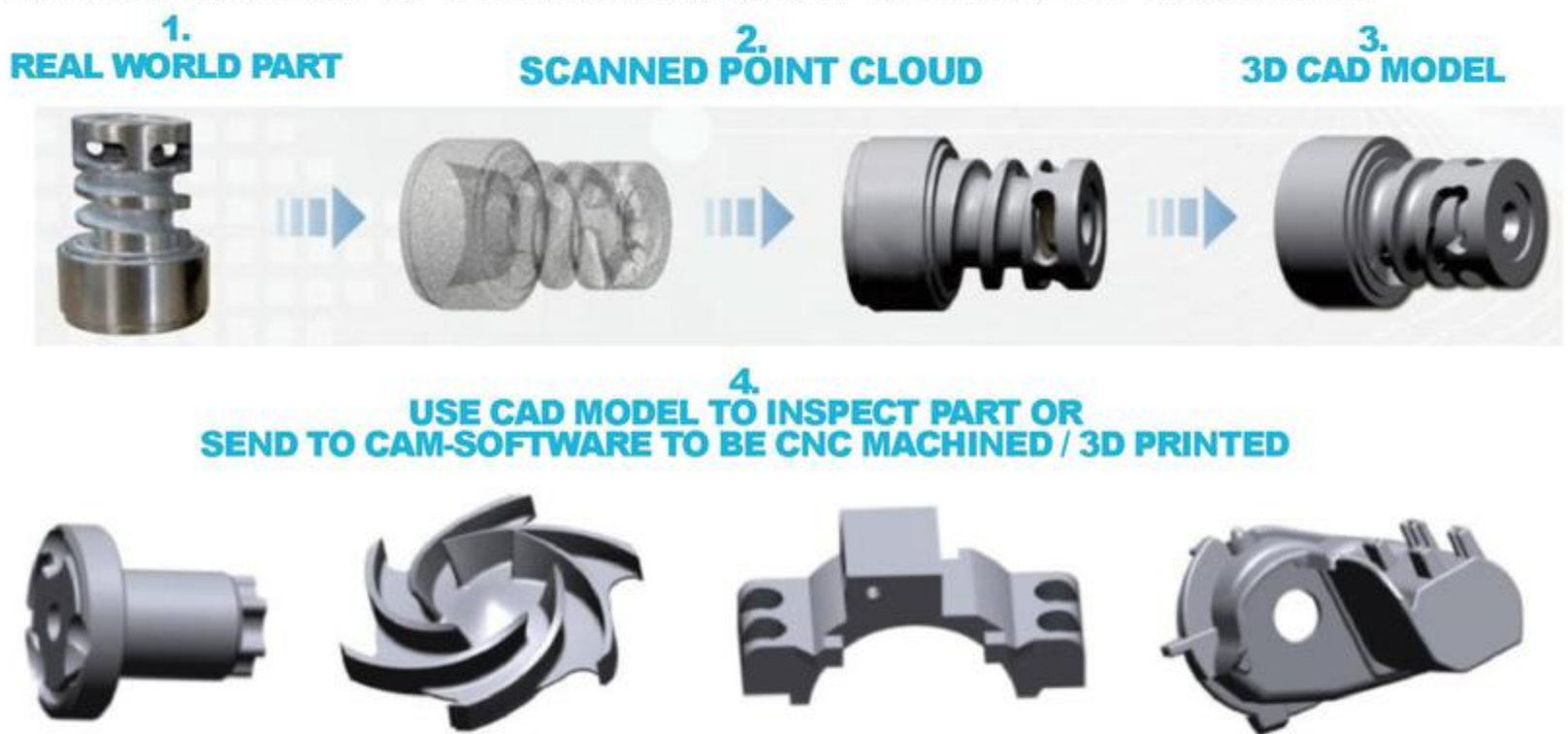
1. MOBILE - SCAN ON SITE (INDOORS OR OUTDOORS)
2. SINGLE SCAN TAKES 5 SECONDS
3. 3D MODELS ACCURATE TO - 0.007~0.05MM
4. HIGH ACCURACY SCANS OF PARTS UP TO 2000MM



WHAT THE SYSTEM CAN DO FOR YOU:

- FASTEST WAY TO MEASURE 3D PARTS...
- CUT PARTS FROM A SAMPLE IN MINUTES...
- SCAN TO CAD IN MINUTES THEN CUT PART ON CNC MACHINES...
- CHECK WARE, DISTORSION OF USED PARTS.
- SCAN NEWLY MADE PARTS TO CHECK EXACT SIZES AND QUALITY CONTROL
- TAKE THOUSANDS OF MEASUREMENTS ON COMPLEX PARTS - MORE THAN IS HUMANLY POSSIBLE!

BASIC PROCESS OF FOR SCANNING REAL WORLD PRODUCTS:



3D SCANNING SYSTEMS FOR LARGE OBJECTS

SCAN TO PC AND CUT ON CNC OR 3D PRINT



PHOTOGRAMMETRY 3D SCANNERS - FOR LARGE OBJECTS

1. MOBILE - SCAN ON SITE (INDOORS OR OUTDOORS)
2. 3D MODELS ACCURATE TO - 0.1MM OVER 4000MM
3. CAPTURE RANGE 0.1x0.1x0.1 ~ 50x50x50M³
4. USE SCAN TO BUILD 3D MODELS, TAKE MEASUREMENTS OR CHECK FINAL SIZES.
5. TAKE COMPLEX MEASUREMENTS IN SECONDS WITHOUT REMOVING THE PART.



WHAT THE SYSTEM CAN DO FOR YOU:

- FASTEST WAY TO MEASURE 3D PARTS WHILE STILL ASSEMBLED
- CUT PARTS FROM A SAMPLE IN MINUTES
- SCAN TO CAD IN MINUTES THEN CUT PART ON CNC MACHINES.
- CHECK MACHINES, PARTS FOR DISTORSION AND FLEXING.
- TAKE THOUSANDS OF MEASUREMENTS ON COMPLEX PARTS - MORE THAN IS HUMANLY POSSIBLE!

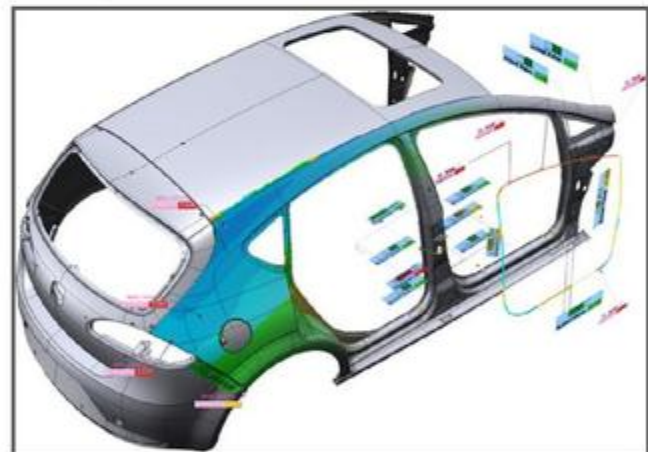
**3D SCAN - AS EASY AND FAST
AS TAKING SOME PHOTO'S**

REAL-WORLD PART TO BE SCANNED: PART WITH CODED MARKERS READY TO PHOTOGRAPH



PART BEING SCANNED TO BE REVERSE ENGINEERED

3D SCAN DATA ON YOUR PC - READY TO USE. SHAPE, DIMENSIONS AND FULL DESIGN CAPTURED



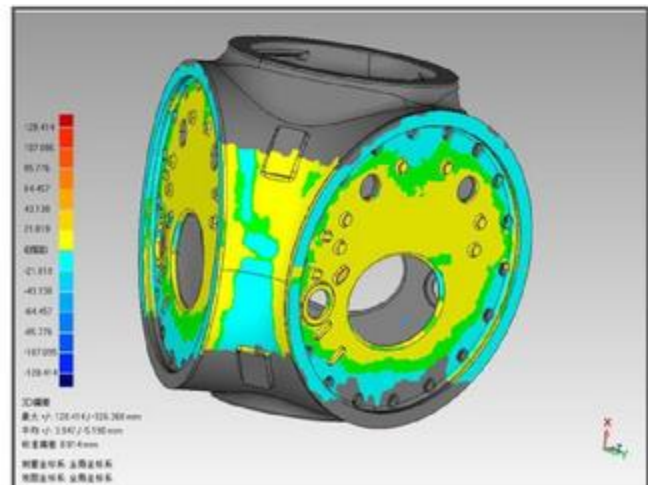
SCANNED DATA CAN BE USED TO REVERSE ENGINEER THE PART
OR

USE THE SCAN TO CHECK FINAL PART ACCURACY AGAINST ORIGINAL
CAD DRAWING, ENSURING HIGHEST QUALITY PRODUCTS

REAL-WORLD PART TO BE SCANNED: PART WITH CODED MARKERS READY TO PHOTOGRAPH



PART BEING SCANNED FOR QUALITY CONTROL



FOR MORE INFO CHECK OUR WEBSITE OR GIVE US A CALL.





HIGH PRECISION 3D PRINTERS

UV LASER-RESIN 3D PRINTER

INDUSTRIAL GRADE HIGH PRECISION 3D PRINTERS

1. HIGH PRECISION INDUSTRIAL GRADE PRINTING
2. GREAT SURFACE FINISH OF 0.1 MICRON
3. HIGH PRECISION UV LASER
4. INTELEGENT COMPUTER CONTROL

RAPIDISE-SLA

UV LASER HARDENING OF UV RESIN

- PRINTING SIZE:
650x600x400MM
- PRINTING ACCURACY:
0.05~0.02MM
- PRINTING SPEED:
80 GRAM/HOUR
- LASER FACULA DIAMETER:
LESS THAN 0.15MM
- LASER POWER:
355NM - MADE IN GERMANY



OUR HIGH TECH CNC LASER CONTROLLER
- FULL FUNCTION WITH GRAPHIC ENGINE



WHAT THE SYSTEM CAN DO FOR YOU:

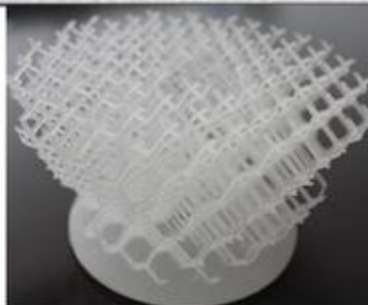


SMALL PARTS

- EXTRA SMALL HIGH-DEFENITION COMPONANTS
- COMPLEX SHAPES WITH NO COMPRISE ON QUALITY
- RESIN MODELS OFFER MANY STRENGTH AND HEAT RESISTANT ADVANTAGES

HIGH ACCURACY AND FRAGILE DESIGN

- HIGH ACCURACY WITH GREAT SURFACE FINISH
- FRAGILE DESIGNS CAN BE MADE AS PART IS SUBMURGED IN RESIN
- SLA MADE PARTS ARE FUNCTIONAL AND SO MAKE GREAT PROTOTYPES.



3D PRINTING SYSTEMS

HOT PLASTIC 3D PRINTING SYSTEMS



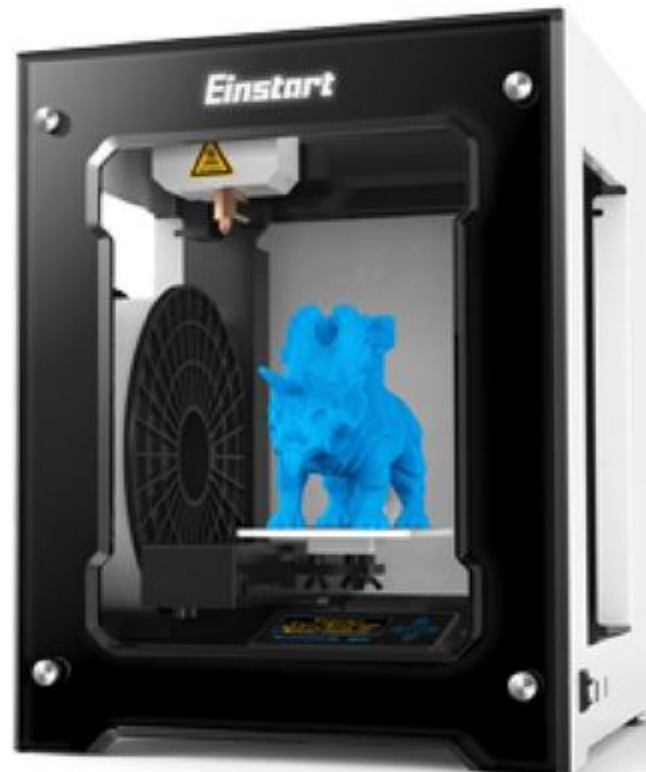
FDM-3D PRINTERS

1. EASY TO USE WITH LITTLE TRAINING
2. LOW COST OF PRINT AND INITIAL INVESTMENT
3. MULTI COLOUR PRINTING
4. 3D START SOFTWARE WITH OFF LINE PRINTING

**FDM
PRINTING**

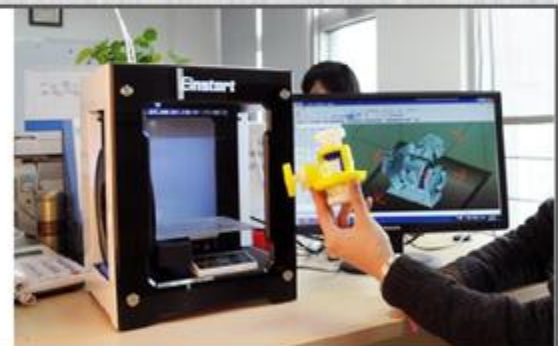
EINSTART-FDM

- **PRINTING SIZE:**
160x160x160MM
- **PRINTING ACCURACY:**
0.10~0.35MM
- **PRINTING SPEED:**
30CM³/HOUR
- **PRINT NOZZLE:**
0.4MM DIAMETER
- **PRINTING TYPE:**
ONLINE AND OFFLINE



HUMAN AND PC INTERFACE

- **POWERFUL 3D START SOFTWARE**
- **DESK TOP DESIGN FOR IN OFFICE MODELING**
- **EASY TO USE PC BASED SYSTEM**
- **PRINT YOUR MODEL DIRECTLY FROM YOUR CAD MODEL.**
- **PRINT PROTOTYPES AT YOUR DESIGN OFFICE**
- **PRINTS ONLINE AND OFFLINE**



PRINTED PARTS

- **COMPLEX PARTS MADE AS 1 PART**
- **PARTS CAN ALSO BE FORMED AS SEPARATE PARTS THAT ARE MADE TOGETHER.**
- **ACCURATE PARTS MADE FROM VARIOUS PLASTICS CAN BE FUNCTIONAL - LIKE GEARS.**

COMPLEX MULTI-PART MODELS

- **USE PRINTED PARTS TO BUILD COMPLEX PROTOTYPES**
- **LOWEST COST PROTOTYPING SYSTEMS.**
- **MAKE PARTS WITHOUT MAKING TOOLING FIRST.**
- **MAKE PARTS DIRECTLY FROM YOUR CAD MODEL NO WORKSHOP REQUIRED.**



Notes:

[illegible]

Connect with us on Social Media and Keep up to Date on our Website...



Notes:

“Machine Tools Are our Passion”



MACHINE TOOL CATALOGUE



STANDARD MACHINE TOOLS

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Accounts Dept - account@stdmt.co.za
Customer Care - customer@stdmt.co.za

Website: www.stdmt.co.za

CHECK OUR WEBSITE TO FIND YOUR CLOSEST AGENT:

OFFICIAL AGENT:

