

Chair Detector

The biggest challenge in people screening is the lower body parts as the sensitivity of common metal detectors is insufficient to penetrate surrounding tissues deep enough. Even full body x-ray scanners are focused on skin surface detection only and don't display an inside view.

The new Roteck chair detector is a simple solution based on a person's position during the detection process, discreet and deep penetrating into the lower human body parts. It detects most, even the smallest metal objects well hidden inside or outside the human body and can distinguish between different metal types.

The chair is locally made from high quality virgin and UV stabilized polypropylene, reinforced with glass fiber and is extremely durable; the chair is available in different colors. A waterproofed search coil is invisibly integrated and connected via a flexible cord cable and plug to the controller unit.



The controller is a digital programmable unit with blue illuminated LCD display, which can be pre set in many ways. Not only sensitivity and sound can be adjusted to requirements, certain metals can also be excluded or enhanced. Build in rechargeable batteries guarantee highest safety standards and power independent operation for up to 24 hours.

The detection process is quick, easy and convenient. Just convince the applicant to sit down for one second and results are displayed immediately including type, size and depth of detected probes.

The chair detector is able to detect most hidden drugs (foil wrapping), weapons, explosive triggers and communication equipment, data storage units, precious metals and many more, even if hidden up to 30 cm inside the body.

The detector is not affecting pregnant woman or pacemakers in any way. In order to avoid interference with other detection equipment causing false detection results, a minimum distance of 1 m to such equipment is recommended. The total weight including controller and batteries is 3.6 Kg only.