



CRESCENDO CORPORATION launches in India

RATIOPLATFORM®

(A state- of- the- art Detector of explosives / weapons which are concealed inside footwear)

Developed and Manufactured by AVK Lab Moscow Russian Federation.



Integrated security technologies



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Fig. 1. View of device with monitor

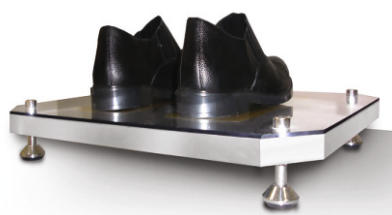


Fig. 2. Footwear placement

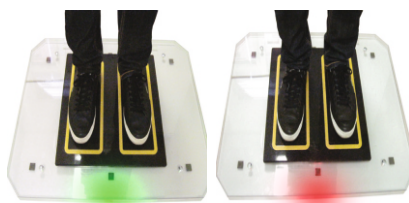


Fig. 3. Inspection procedure

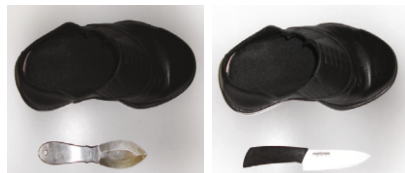


Fig. 4. Metallic knife Fig. 5. Ceramic knife



Fig. 6. Dangerous inclusion in heel

Ratioplatform is a device which can reveal potentially dangerous objects inside footwear.

TECHNOLOGY

The operation is based on following:

- Application of multizonal wide band tomography technology
- Application of neural network and Optimizing algorithms for processing the information
- Inverse problem solving for search inhomogeneity and abnormal areas inside inspected objects.

METHOD OF OPERATION

Inspected person stands on the RatioPlatform with footwear within the marked areas. The device makes necessary measurements within 1-2 seconds and finds out the presence of any concealed, potentially dangerous material in the footwear, including metal, ceramic objects and plastic explosives (fig 3).

INDICATION

Visual Indication whether the footwear is safe /dangerous is shown on the device with green light / red light glowing and this is duplicated on the monitor. Sound signals are also emitted.

TECHNICAL DETAILS

Size:75×55×8 cm

Weight (depends on customization): up to 20kg

Detection time: less than 20sec

Power supply: 5v or USB

Indication (depends on customization): light, sound

The technology applied in the device is capable of finding out any dangerous material, both metallic and nonmetallic, including plastic explosives, weapons, etc. in the footwear(-fig:4,5) whether these are directly built into the sole or concealed within the footwear(-fig 6).

RATIOPLATFORM has successfully passed tests in The State Scientifically Research Institute of Civil Aviation and in Airport Sheremetyevo. Deployed at Airport Vnukovo (Moscow).

Certificate of Conformance no: ROSS RU.ML04.H00751



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