



ST-6035

Perfect solution for the best result

Precise and effective non-intrusive inspection system with unprecedented performance and unique functions.

- ▶ up to 400 mm penetration on steel;
- ▶ 0.5% contrast sensitivity;
- ▶ discrimination of up to 4 groups of materials;
- ▶ evaluation of the weight of scanned object entirely or partially;
- ▶ discrimination of heavy metals group (lead, tungsten).

The ST-6035 X-ray inspection system is designed for fast, reliable and effective inspection of freights transported on vehicles. The arc-shaped detector line together with a powerful yet safe linear electron accelerator the ST-6035 offers unprecedented image quality.

Among many features of the ST-6035 a special highlight is merited to the following functions:

- Z-recovery function offers the possibility to recover the effective atomic number of an object behind a material with unknown atomic number (especially useful to remove container walls and see the true picture);
- X-weight function weighs partially or entirely the scanned freight.

Precise, safe, robust and reliable, the ST-6035 offers the possibility to build a distributed safety and control system which can be operated remotely from any place independently of the distance between the inspection systems.

Main characteristics:

- Maximum penetration in steel, mm: 400
- Detection of steel wire (in air), mm: 0,5
- Contrast sensitivity, %: 0,5
- Number of discriminated groups of materials: 4
- Mass thickness range of effective material discrimination, g/cm²: from 15 to 140
- Maximal dimensions of vehicle (L x W x H), m: 20 × 3 × 4,5
- Technical throughput capability, vehicles/hour: 25



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