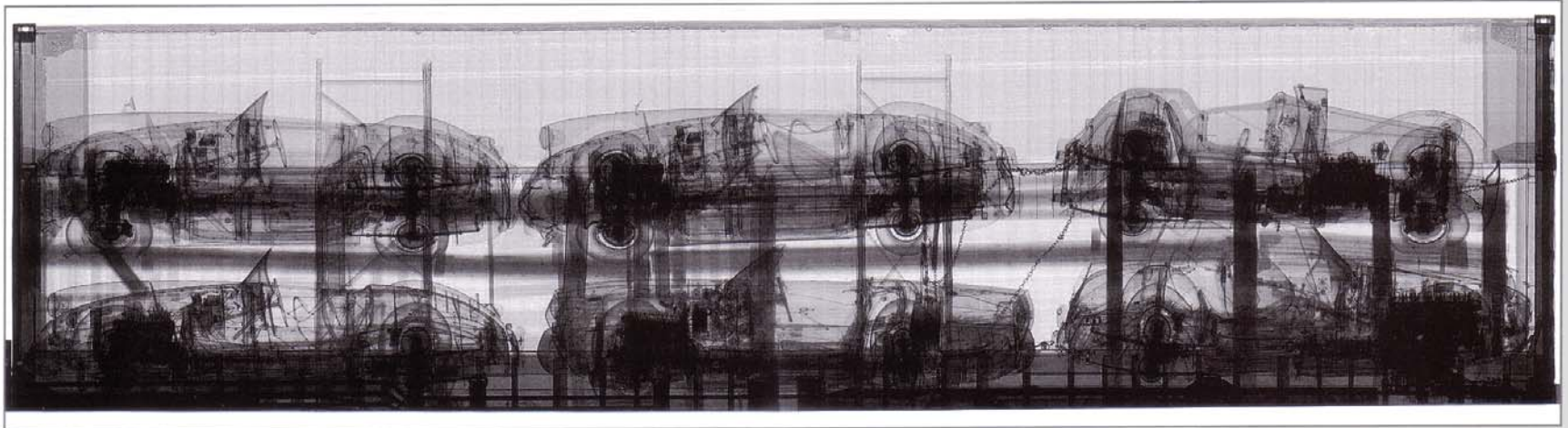


THSCAN[®] RF Series Railway Cargo/Vehicle Inspection System



Technical Data

Type of X-ray source	Electron linear accelerator
Normal energy	6MeV or 9MeV
Penetration	260mm(6MeV) or 320mm(9MeV) of steel
Max. dim. of scanned vehicle	Length: unlimited Width: 3.7m Height: 5.2m (The dim. of vehicle can be changed on request of customers)
Scanning method	The scanned objects move and the scanning system keeps still
Radiation safety area	40m(L)x18m(W)(6MeV) 72m(L)x25(W)(9MeV)
Standard operator number	4
Scanning speed	Up to 30km/h (typical 20km/h)
Max. dose rate on the system boundary	≤ 1 μ Sv/h
Absorbed dose per inspection	≤ 20 μ Sv(6MeV) ≤ 60 μ Sv(9MeV)
Dose rate for operators	≤ 1mSv per year
Dose rate for public	≤ 0.1mSv per year
Power consumption	≤ 35kVA
Operating temperature	-20°C ~ +50°C (optional -30°C ~ +50°C)
Storage temperature	-30°C ~ +55°C
Humidity range	0 ~ 99%, non-condensing
Pixel depth	16 bit
Image acquisition mode	Real-time, synchronized
Zoom	1/4 × , 1/2 × , 1 × , 2 × , 4 × , 8 ×
Image analysis	Pseudo color, edge enhancement, filter, contrast adjustment, histogram equalization, linear/logarithm transform, normalization, suspicious item mark and comments, mirror, multi image comparison, procedure record, area calculation, user define macro
Options	Support EDI Declaration and Network Interfaces Radiation Monitoring (RM) Additional Features (Distributed database management system, Remote image inspection, Railway car external photograph)

Company Locations

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NUCTECH HAS ACQUIRED THE CERTIFICATE OF QUALITY MANAGEMENT SYSTEM (ISO9001:2000)
NUCTECH HAS ACQUIRED THE CERTIFICATE OF ENVIRONMENTAL MANAGEMENT SYSTEM (ISO14001:2004)
NUCTECH HAS ACQUIRED THE CERTIFICATE OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM(OHSAS18001:1999)

