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HI-SCAN 10080 EDX-2is

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Technical specifications

General specifications

Tunnel dimensions (WxH):	1070 x 810 mm, 42.2" x 31.9"
Max. object size (WxHxL):	1060 x 800 x 3800 mm, 41.7" x 31.5" x 149.6"
Conveyor height ¹⁾ :	approx. 800 mm, 31.5"
Conveyor speed:	0.5 m/s, 98.5 ft/min
Max. conveyor load (evenly distributed):	75 kg/m ² , 165 lbs/m ² 200 kg, 441 lbs total
X-ray dose (typical):	14 µSv per inspection
Film safety:	even for high speed films up to ISO 1600/33 DIN
Data recording mediums:	no damage to computer memories, such as cassettes, floppy disks or hard disks due to X-rays. Reference: NSB Special Publication 500-101
Duty cycle:	100%, (start-up time about 2 min for boot procedure and self tests)

Automatic detection

Real-time evaluation:	by means of high performance parallel computing
Throughput:	typical 1200 to 1800 items/h (item length 1300 mm to 800 mm 51.2" to 31.5")
Gap between objects:	min. 0.2 m, 7.9"

X-ray generators

No. of X-ray generators:	2
Anode voltage:	max. 150 kV cp
X-ray tube:	focus < 1.6 mm, anode voltage max. 160 kV
Anode current:	max. 5 mA
Beam divergence:	70°
Beam direction:	diagonal (bottom to top) + horizontal

Image generating system

X-ray converter:	2-L-shaped detector lines, photodiodes with highly efficient szintillators
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Installation data

X-ray leakage:	meets all applicable laws and regulations with respect to X-ray emitting devices. Leakage radiation less than 1 µSv/h at a distance of 5 cm, 2" from external housing
Sound pressure level:	< 60 dB(A)
Operating-/ storage temperature ²⁾ :	+5 °C up to +40 °C, 41 °F up to 104 °F, -15 °C up to +60 °C, 5 °F up to 140 °F (without UPS batteries)
Humidity:	10% -90% (non-condensing)
Power supply ³⁾ :	400 VAC + 10% / -15% 3-phase, 50 Hz/60 Hz ± 3 Hz
Power consumption:	approx. 6 kVA
Protection class system:	IP54
Dimensions (LxWxH):	2900 x 2140 x 1900 mm, 114.2" x 84.3" x 74.8"
Weight ⁴⁾ :	approx. 3000 kg, 6614 lbs

Options

Conveyor control:	interfaces to the control of an external conveyor system
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¹⁾ approx. values (adjustable)

²⁾ extended temperature range on request

³⁾ other values optional

⁴⁾ without control desk, monitor(s) etc.