



Y.Fox - Technical Data



Image similar

X-Ray Tube

Tube type	Open microfocus tube
Target	Transmissive
Target material	Tungsten
Voltage range	25-160 kV
Current range	0.01-1.0 mA
Max. tube power	64 W
Max. target power	10 W
Detail detectability	< 1 µm
X-Ray intensity control	TXI

X-Ray Tube Option

Tube type	Open multifocus tube (MFT)
Detail detectability (min.)	< 500 nm
Voltage range	25-160 kV or 10-225 kV

Image Chain

Image intensifier (II)	II 230
Optics	Triple field
CCD camera	752 x 582 pixel
Field of view (max.)	85 mm x 64 mm
Geometric magnification (max.)	2,400x
Total magnification (max.)	4,800x
Image chain	16 bit

Image Chain Option

Image intensifier (II)	II 230 High Definition
Optics	Triple field
CCD camera	1,000 x 1,000 pixel
Field of view (max.)	82 mm x 82 mm
Geometric magnification (max.)	2,120x
Total magnification (max.)	6,540x
Image chain	16 bit

Subject to change without notice.
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Image Chain Option

Detector type	Panel 2520 High Speed
Number of pixel	1,480 x 1,848 pixel
Pixel size	127 µm
Field of view (max.)	104 mm x 83 mm
Geometric magnification (max.)	2,720x
Total magnification (max.)	5,350x
Frame rate (max.)	30 fps
Image chain	16 bit

Image Processing

Operating system	Windows® XP
Y.FGUI Basic	Integrator, contrast, average, sharpening, smoothing, OSD, profile, date & time, etc.

Image Processing Option

Y.FGUI Extended	BGA, Void Calculation, AVI rec.
ADR	Automatic Defect Recognition

Manipulation

Manipulation	Joystick
Inspection area (max.)	300 mm x 400 mm (12" x 16")
Sample size (max.)	300 mm x 400 mm (12" x 16")
Sample tray axes	X, Y, Z, Tilt + Rotate
Detector axis	Zd, up to 270 mm (optional)
CNC	yes

Further Options

Hard- and software options	225 kV, Y.QuickScan, Y.µCT (Axial Computer Tomography), High-Power Target, Conical Target, bar code scanner, collimator, printer
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Electrical Data

Power supply	400V/3N/PE/AC±10%, 50/60Hz
Fuse protection	3 x 16 A
Power consumption	P = 2.5 kVA max.

Physical Dimensions

Width / depth / height [mm]	~ 1,720 / 1,350 / 2,060
Weight	~ 2,300 (3,300 kg for 225 kV)

Environmental Conditions

Radiation protection	< 1µSv/h
Ambient conditions	15° to 25° C
Relative humidity	max. 80%, non condensing
Air supply	6 bar, free of oil

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