

Technical Data

Y.MU 2000W



X-ray System MG165/2.25*

160 kV Metal-ceramic X-ray tube
Adjustment range 8 - 160 kV
Water cooling, min. flow rate 4 l/min.

Operator Console MU 2000

Two bay Operator Console including:
Control Unit MGC41 for X-ray System
Control Panel for Enclosure and Manipulation
Control Unit for Image Intensifier
Black & white Image Display Monitor

Technical Data Console

Mains supply: 1 x 230 V, 50/60 Hz
Mains fuse: 35 A, slow blow
Power consumption: max. 5 kW
Dimensions (L x H x D): approx. 1,500 x 1,720 x 1,100 mm
Weight: approx. 250 kg

Compliance

YXLON International products are manufactured according to strict safety and quality standards and in compliance with the following standards:

- UVV
- EURATOM 96/29
- CE-Conformity
- German radiation law (RöV) 2002
- VDE-0100 and -0113
- 21 CFR § 1020.40 (on request)
- DIN 54113
- IEC 529
- 47 CFR § 15 (FCC)

The quality assurance system of YXLON International X-Ray GmbH is certified to ISO 9001.

Manipulation

Axes			Travel	Speed
Scan (up/down)	y	motorized	900 mm	0 - 15 m/min.
Horizontal ²	z	motorized	650 mm	0 - 15 m/min.
Rotation (turntable)	$\omega 1$	motorized	$\pm 90^\circ$	0 - 6 R/min.
Tilt	ϕ	motorized	$\pm 30^\circ$ ¹	0 - 7 °/sec.
Rotation (wheel)	$\omega 2$	motorized	$\pm 360^\circ$	0 - 6 R/min.

¹ Reduced tilting in highest and deepest positioning.

² Without use of roller device.

Distance I.l. to focalspot 650 mm - 950 mm

* Additional data available on separate datasheet

X-ray Shielded Cabinet

The X-ray shielded cabinet is designed to provide X-ray shielding up to 160 kV / 19 mA. The loading door is electrically monitored by two redundant safety circuits.

Dimensions Cabinet

Overall (L x H x D): approx. 2,200 x 2,700 x 1,800 mm³
Cabinet (L x H x D): approx. 2,200 x 2,120 x 1,800 mm³
(will fit through standard doors in factories)
Front door opening
(L x H): approx. 760 x 1,150 mm²
(Opening time \leq 2 sec.)
Weight: approx. 4,000 kg (including fittings)

Imaging System*

Image Intensifier with 9" (22 cm) input screen, switchable for magnification to 7" (16 cm) and 5" (12 cm)
CCD video camera (high resolution)
17" (43 cm) special b/w monitor for display of X-ray images

Options

- Supported by the Windows™-based PCNC control, inspection tasks and sequences are automated quickly and reliably. This decreases inspection time even further. Settings for manipulator position and speed are as much a part of the stored recipe as the X-ray, detector and image enhancement settings.
 - Image Enhancement and Archiving System IMAGE.2500i or IMAGE.2500i-R
 - Closed loop water cooler WL3002
- Further options on request.



Heavy duty, robust roller device for wheels of max. 620 mm in diameter and 350 mm width.