

comet

x-ray

Y.XMB

100/160/225



- EXTREMELY HIGH X-RAY POWER
- ACCESS TO CONFINED SPACES
- SAFE OPERATION
- HIGH QUALITY SYSTEM
- EASY TO HANDLE

comet Y.XMB

PIPELINE CRAWLERS · BETATRON PORTABLE X-RAY · DIGITAL RADIOGRAPHY

The Y.XMB is available as a 100 kV, 160 kV and 225 kV with X-ray power up to 2.25 kW. All Y.XMB can be fitted with panoramic, directional and fan beam X-ray tubes. These are all available with different size focal spots.

BUILT TO LAST

For more than 50 years COMET have manufactured high quality X-ray systems. Our systems have always been designed to be reliable and efficient in all conditions. In order to stay in this position, as a market leader, we draw on both our knowledge and experience.

ACCESS TO CONFINED SPACES

Mobile constant potential X-ray generators from COMET, with extremely high X-ray power of up to 2.25 kW, combined with a compact X-ray tube mounted on a flexible X-ray cable, are perfectly designed to access even the most challenging inspection tasks in narrow and hard to reach spaces, for example for operations at nuclear power plants or in the petrochemical industry.

WIDE RANGE OF TUBES

The mobile Y.XMB X-ray system with 100, 160 or 225 kV, supports a wide range of different high quality X-ray tubes, from directional, panoramic or fan beam tubes, with different beam shapes and different size focal spots. The Y.XMB system feature a broad mA range from 0-20 mA depending on the chosen system and X-ray tube, and it supports high voltage cables with lengths up to 20 meters.

SAFE OPERATION

Safety is paramount to us, that's why our products are safe to use. The Y.XMB product range is produced in accordance with the most strict radiation safety standards. The combined features of the Y.XMB product range will give you a competitive advantage by reducing exposure time and by optimizing your workflow.

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PRODUCT RANGE



SMART EVO 200P / 300P



SMART EVO DIRECTIONAL



XPO EVO DIRECTIONAL



SMART EVO WATER-COOLED



Y.XMB



PROUDLY SUPPLYING THE NDT INDUSTRY FOR OVER 35 YEARS



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	FOCAL SPOT SIZE EN 12543	MAX X-RAY POWER	WEIGHT	BEAM ANGLE	LEAKAGE RADIATION MAX kV - MAX mA
Y.TU 100-D02	1.0 mm / 3.0 mm	640 W / 1500 W	6 kg	40° x 40°	1.0 mSv/h
Y.TU 160-D02	1.0 mm / 5.5 mm	640 W / 3000 W*	8 kg	40° x 40°	2.5 mSv/h
Y.TU 160-D03	1.0 mm / 3.0 mm	640 W / 1600 W	8 kg	40° x 40°	2.5 mSv/h
Y.TU 160-D04	1.0 mm / 1.0 mm	640 W / 640 W	8 kg	40° x 40°	2.5 mSv/h
Y.TU 160-D05	1.0 mm / 1.0 mm	1000 W / 1000 W	8 kg	40° x 40°	2.5 mSv/h
Y.TU 160-D06	0.4 mm / 1.0 mm	800 W / 1800 W	8 kg	40° x 30°	2.5 mSv/h
Y.TU 160-F01	1.0 mm	1000 W	8 kg	60° x 25°	2.5 mSv/h
Y.TU 160-P01	0.4 mm x 4.0 mm	1000 W	8 kg	40° x 360°	2.5 mSv/h
Y.TU 225-D02	1.0 mm / 5.5 mm	640 W / 3000 W*	11 kg	40° x 40°	5.0 mSv/h
Y.TU 225-D03	1.0 mm / 3.0 mm	640 W / 1600 W	11 kg	40° x 40°	5.0 mSv/h
Y.TU 225-D04	0.4 mm / 1.0 mm	800 W / 1800 W	11 kg	40° x 30°	5.0 mSv/h
Y.TU 225-F02	5.5 mm	3000 W*	11 kg	90° x 30°	10.0 mSv/h

* Limited to the Y.XMB specifications



OPTIONS

A range of accessories are available for the Y.XMB mobile X-ray system. PC interface for RS232 remote operation.

POWER SUPPLY

230V + 10 - 15%, 50/60 Hz, protection 20A at 2250W (single phase).

EXPOSURE TIMER

1 second steps up to 10 minutes, 10 second steps up to 99 minutes or infinity. The exposure duration can be adjusted between 0-99 minutes and there is also an infinity setting for radioscropy.

ENVIRONMENT

IP54, 0°C to +40°C, relative humidity 90%.

CERTIFICATES

CE: EN 60204-1, EN 50178, EN 55011, EN 61000-6-2, DIN 54113

TECHNICAL SPECIFICATIONS

Y.XMB 100 X-RAY SYSTEM

Weight	approx. 180 kg
Height x Depth	1630 x 980 mm
Width of Axis	600 mm
High Voltage Adjustment	7.5 - 100 kV
mA Adjustment	0 - 20 mA
Max X-Ray Power	1500 W
Cable Length	10, 15 or 20 m

Y.XMB 160 X-RAY SYSTEM

Weight	approx. 184 kg
Height x Depth	1630 x 980 mm
Width of Axis	600 mm
High Voltage Adjustment	7.5 - 160 kV
mA Adjustment	0 - 20 mA
Max X-Ray Power	2250 W
Cable Length	10, 15 or 20 m

Y.XMB 225 X-RAY SYSTEM

Weight	approx. 190 kg
Height x Depth	1630 x 980 mm
Width of Axis	600 mm
High Voltage Adjustment	10 - 225 kV
mA Adjustment	0 - 15 mA
Max X-Ray Power	2250 W
Cable Length	10, 15 or 20 m

SALES AND MANUFACTURING

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