

comet

Mobile X-ray system

XMB 100/160/225



Smarter workflow

It's mobile and supports all applications

The mobile XMB X-ray system from Comet X-ray is easy to handle and perfectly designed for dealing with challenging inspection jobs at power plants, on aircraft structures and in the petrochemical industry. Our mobile X-ray solution supports high voltage cables with lengths up to 20 meters and combined with a compact metal ceramic X-ray tube mounted on the flexible high voltage cable, it performs excellently in challenging environments in narrow and hard-to-reach areas.

Versatile

It's agile and flexible

The constant potential XMB X-ray system supports a wide range of high-quality X-ray tubes, both directional and panoramic variants, with different sizes of focal spots. The modular design of the mobile system means it can be easily adapted to deal with diverse inspection jobs in confined spaces, just by changing the X-ray tube. The XMB is fully compatible with both film and digital imaging and can be used for a large range of difficult tasks without compromising your workflow.

High performance

Due to its technical capabilities

The XMB is available in 100, 160 and 225 kV variants, and is operative from 7.5 kV up to a maximum of 225 kV, with an extremely high X-ray power of up to 2.25 kW. The system features a broad mA range from 0-20 mA depending on the chosen system and X-ray tube. The versatile XMB high-performance system will give you the competitive edge by reducing exposure time and creating a smarter workflow.

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Specifications	Focal spot size EN 12543	Max X-ray power	Weight	Beam angle	Leakage radiation max kV - max mA
MXR-100/24/10-30 (XMB)	1.0 mm / 3.0 mm	640 W / 1500 W	6 kg	40° x 40°	1.0 mSv/h
MXR-160/22 (XMB)	1.0 mm / 5.5 mm	640 W / 3000 W*	8 kg	40° x 40°	2.5 mSv/h
MXR-160/21 (XMB)	1.0 mm / 3.0 mm	640 W / 1600 W	8 kg	40° x 40°	2.5 mSv/h
MXR-160/20 (XMB)	1.0 mm / 1.0 mm	640 W / 640 W	8 kg	40° x 40°	2.5 mSv/h
MXR-160HP/20 (XMB)	1.0 mm / 1.0 mm	1000 W / 1000 W	8 kg	40° x 40°	2.5 mSv/h
MXR-160HP/11 (XMB)	0.4 mm / 1.0 mm	800 W / 1800 W	8 kg	40° x 30°	2.5 mSv/h
MXRP-160C (XMB)	0.4 mm x 4.0 mm	1000 W	8 kg	40° x 360°	2.5 mSv/h
MXR-225/22 (XMB)	1.0 mm x 5.5 mm	640 W / 3000 W*	11 kg	40° x 40°	5.0 mSv/h
MXR-225/21 (XMB)	1.0 mm x 3.0 mm	640 W / 1600 W	11 kg	40° x 40°	5.0 mSv/h
MXR-225HP/11 (XMB)	0.4 mm x 1.0 mm	640 W / 1800 W	11 kg	40° x 30°	5.0 mSv/h

* Limited to the XMB specifications

Options

A range of accessories and alternative X-ray tubes are available for XMB mobile X-ray systems.

Power supply

230 V + 10 - 15 %, 50/60 Hz AC voltage range.
Required fuse protection 20 A (single phase).

Exposure timer

1 second steps up to 10 minutes and 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 radioscopy.

Environment

IP54 protection against dust and water.
Operational temperature from 0°C to +40°C.
Relative humidity at 90 %.

Certificates

CE: EN 60204-1, EN 50178, EN 55011, EN 61000-6-2, DIN 54113 and Röntgenverordnung (RöV).

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Specifications

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

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

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