

The XMD225 gives the flexibility of a mobile unit and is as powerful, stable and sturdy as a stationary unit. It gives you more flexibility than a portable unit in places where room for the tubehead is reduced.

The XMD225 is the mobile version of the XSD225, first unit of a complete set based on a solid insulation HV module. This technology not only frees you from very specialized service operations but also guarantees that you will be able to get the most out of your machine at any time.

A very high duty cycle and a wide variety of tubehead is available, therefore the unit can be easily turned into a Panoramic or a Directional X-ray equipment with different focal spot sizes and can drive up to two individual filaments.

Combined to our computerized control panel (LS1) it can be integrated in all kind of environment, for instance it can replace the majority of existing units without big changes or any.



Versatility and performances

A robust trolley has been specially designed to bring your powerful XSD to the very location of your inspections. Equipped with wheels, well balanced to be easily handled by its hooks if necessary, the trolley is taking all accessories including the 3 or 4 kW closed circuit water cooling unit. No matter if you have narrow doors to pass, the width has been calculated to be kept to the minimum.

The size is compact and the number of internal elements has been reduced to the most. This leads not only to a size reduction but also in a decrease of internal connections which are generally known to be the cause of failures in time. The multi stage solid insulated HV block can be changed in less than two hours and so are electronic boards that can be visually diagnosed (LED) in case of trouble.

XMD can drive up to 3 kW dual filament tubeheads. Load curves and current limits are automatically adapted to the connected insert thanks to the pre-coding of parameters into the control unit (LS1). Using a switching frequency of more than 25 kHz, this unit is virtually ripple free which ensures the user to get a very stable dose for instance in radiosopic inspections or non film techniques. In conventional Radiography (films), the very high dose output allows you to increase your production cycle by decreasing exposure time or to increase your quality standards by a better exposure quality.

Comfort of use

A lot of handy features have been included: among these fully automatic preheating process,

different tubeheads management, exposure curves and tools, different exposure modes, identified user access, data reporting and exporting, ...

Safety first

Balteau NDT has always given the top priority to safety. The XMD series is equipped with all necessary securities and safety features that you have always found on our units. From temperature securities that are helping in protecting your unit against overheating, to HV arc counting, preventing from very expensive damages, built in securities are accessible to different parts of the service menu. Passive and active securities are acting like information only or like real switches that need to be addressed before being able to continue using the machine. Messages displayed on the LS1 color display are giving you a clear view of the running status of your machine and even about the service needs if any. All our XMD units are generating service reports that can be viewed and downloaded at anytime on portable memory devices.

Environment friendly

Energy saving becomes one of everyone's problem and concern. Our units have been designed to use the minimum power that is to be delivering the highest output for the minimum power consumption.

On the service side, our solid insulation system will not only ease the repair processes but also will not require the specific tooling used for oil or gas recycling.

Specifications

Mechanical	
	Weight: 250 kg

Electrical *		
High voltage range	kV	5 - 225
Tube current range	mA	0,1 - 40
Maximum output power	W	3000
HV Frequency	kHz	25
Insulation		encapsulated
Ripple	% PP	0,1
Voltage	V	230 (-15%+10%)
Frequency	Hz	47 - 63
Current	A	18

* Depending on X-ray tube

X-ray tube ***	
Type	Directional or Panoramic
Focal spot (IEC 336)	From 0,2 x 0,2 to 3 x 3

*** See specific documentation

Cables		
Power supply cable	m	10 **
Interconnection	m	20 **
HV cable	m	From 5 to 25
HV connection		Standard R24/R28
6 configurable and programmable I/O		Sub-D9

** Others available on request

Environmental		
Storage temperature	°C	-20 to + 85
Operating temperature	°C	0 to +45

Optional accessories
Warning flashing light with 20 m cable, closed circuit type oil/air cooling unit, closed circuit type oil/water cooling unit with chiller, water security box

Producer

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