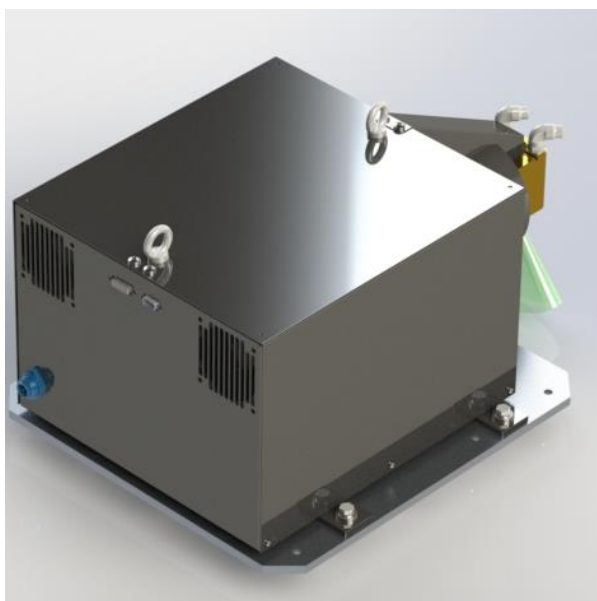
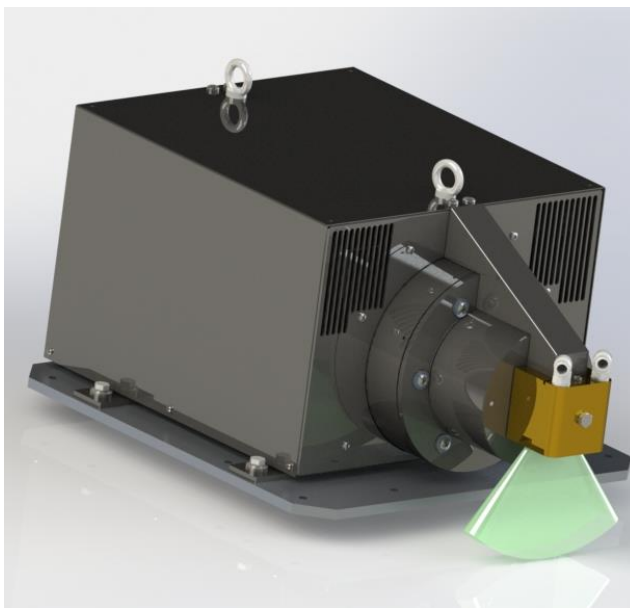


Robust, compact and powerful 120kV X-ray source

Our X-ray source MB120_5 is especially suited for applications within Food Inspection, Packaging, Industrial NDT, Thickness gauging and Security Scanning.

Key Features:

- Integrated HV Supply, Filament Supply, X-Ray tube and Control Electronics
- Up to 120kV (can be limited to e.g. 110kV)
- Up to 5.5mA (limited by max output power 600W)
- External cooling using water or similar, min. 2 l/min., Water temperature max. 20°C.
- Easy RS-422 control interface and protocol
- Standard X-Ray Tube 1.5 x 1.5 mm Nominal Focal Spot (IEC336). Optionally 0.4 x 0.4mm
- Extensive internal monitoring facilities
- Fan shaped x-ray beam geometry (can be collimated to other shapes)
- Safety Interlock and Warning Lamp circuit
- Radiation shielded



Magnatek ApS
Bjoedstrupvej 6B
8270 Hoejbjerg
Denmark

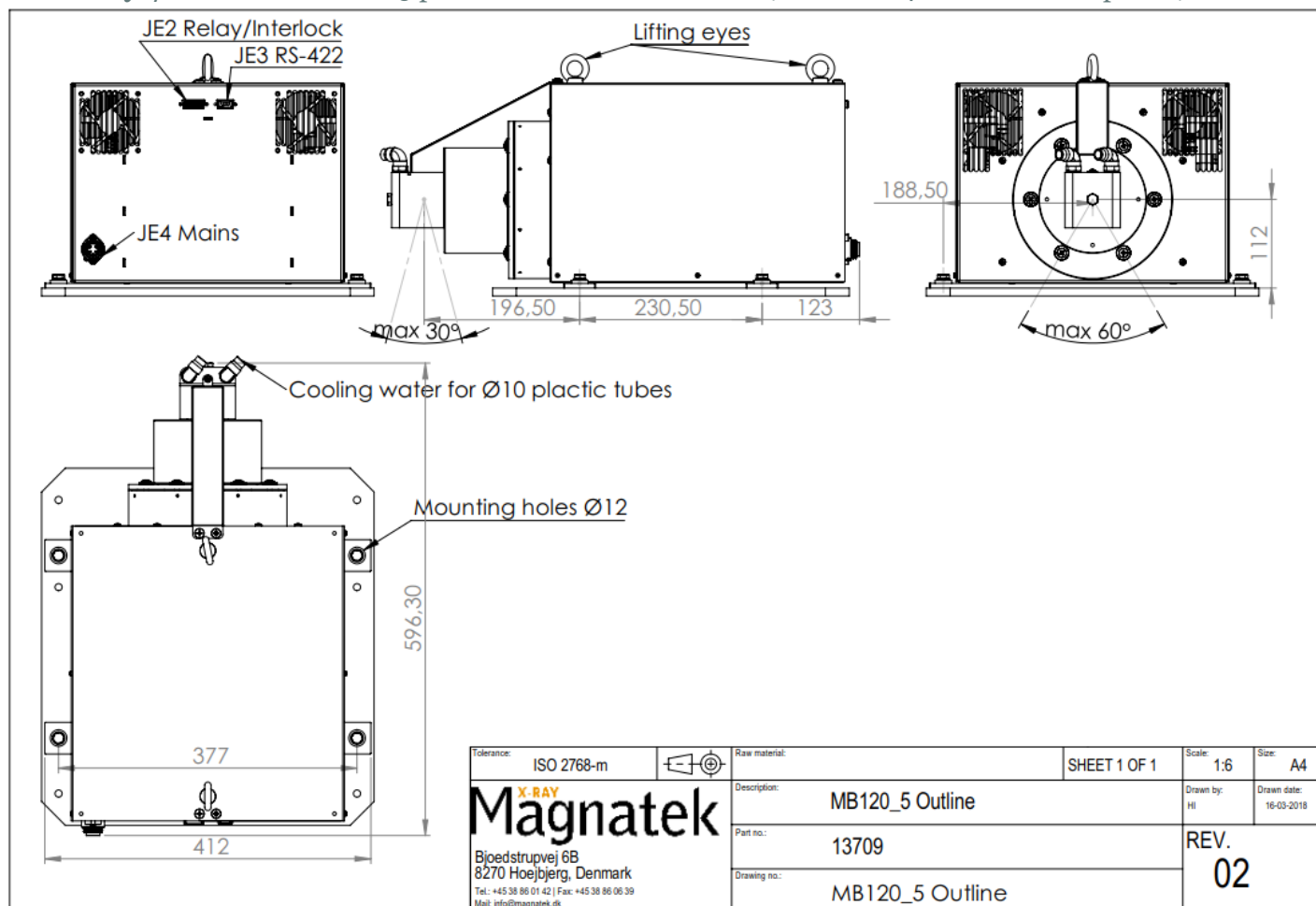
Tel: +45 38 86 01 42
Fax: +45 38 86 06 39
E-mail: info@magnatek.dk

Specifications

Input Voltage:	230VAC . \pm 10% 50/60 Hz
Input Power:	Max 800 W (depending on load and configuration)
Output kV:	40-120 kV
Output mA:	0.2 to 6 mA (e.g. 6 mA@100 kV; 5 mA@120 kV)
Voltage Regulation:	Line: < %0.1 % for +/- 10% mains input fluctuation
X-ray beam:	Fan beam up to 60°x20°. Cone beam on request.
Weight:	52 kg
X-Ray Leakage:	Less than 10 μ Sv/hr at 5 cm outside the external surfaces
Operating Temp:	5°C to +40°C (max 30°C with full load)

Electrical Interface

Mains Supply:	Amphenol type C16-1 series connector
Serial RS-422:	9 pin D-Sub male connector
Relays/Interlock:	15 pin D-Sub female connector (External 24V DC Interlock power)



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