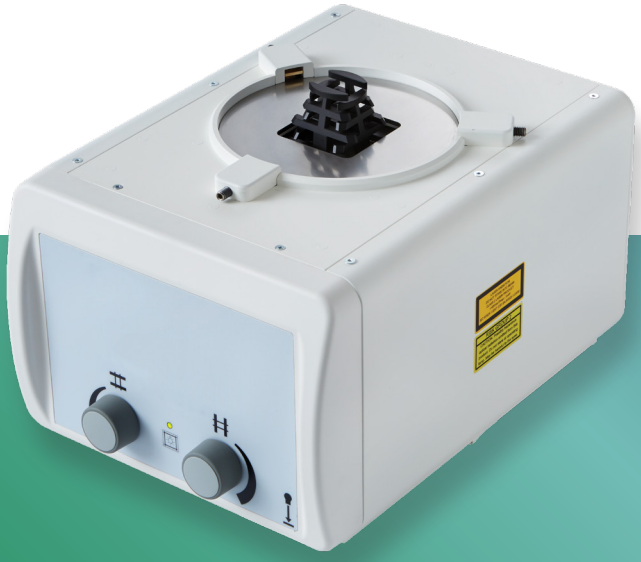
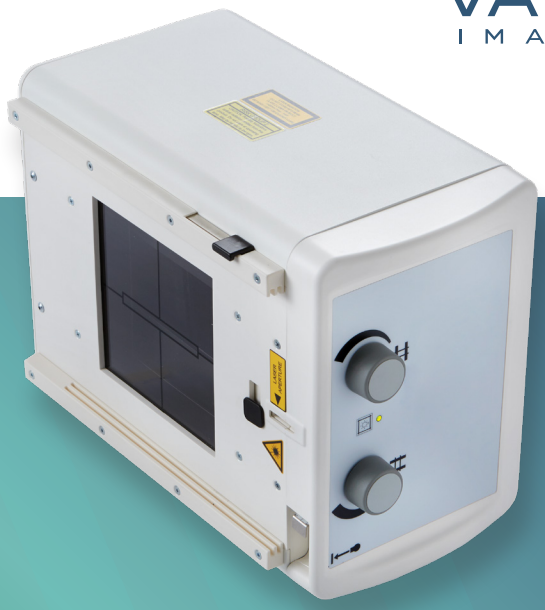
OPTICA™ 30
MOTORIZED COLLIMATOR

VAREX IMAGING





OVERVIEW

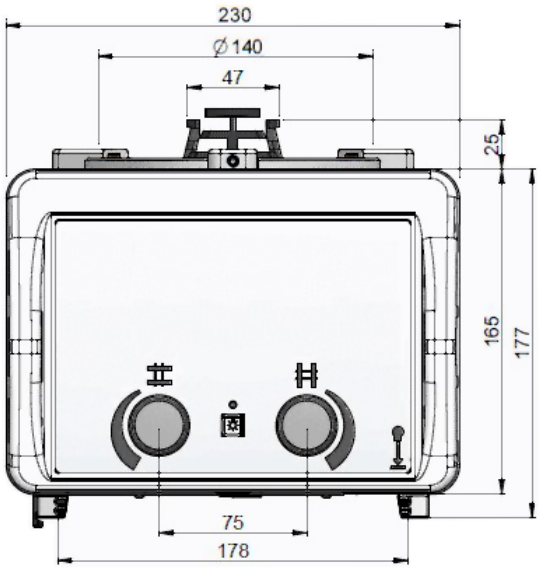
The Optica™ 30 is a motorized collimator for integration with radiography and fluoroscopy systems. The collimator is controlled with the front knobs or remotely through its CAN-bus.

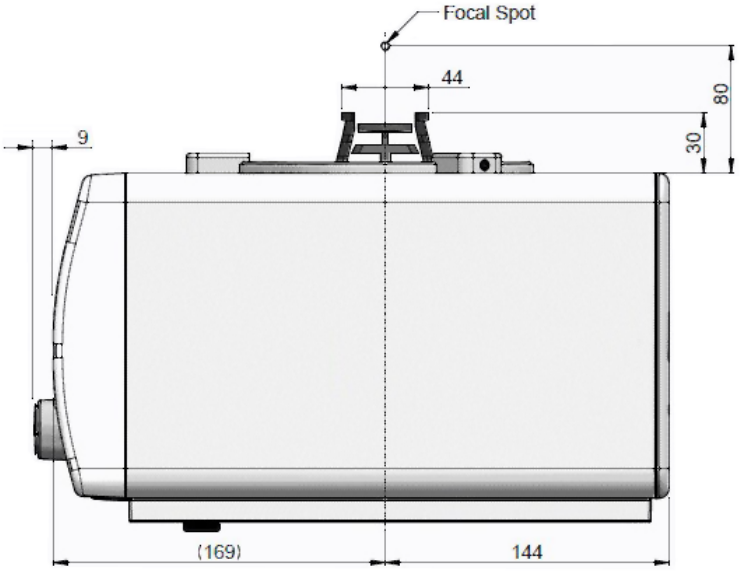
The Optica 30 is equipped with a long-life power LED that projects a bright light field on the exposed area. Aligning the detector under the X-ray beam is made easy with a center laser line.

The beam filtration is possible with the motorized filter module. No filtration or three different aluminium plus copper combination filtrations are available.

APPLICATIONS

- Stationary X-ray equipment for radiography and fluoroscopy up to 150 kV tube voltage.





OPTICA 30

Technical Specifications	
Application	Stationary X-ray equipment for radiography and fluoroscopy up to 150kV X-ray tube voltage.
Shutters	Multilayer, 4 pairs of shutters in 2 layers.
Mode of operation	Manually or remote control (both motor-driven)
Collimation	Rectangular field Max. 48 x 48 cm at 1m SID
Attenuation equivalent IEN-IEC 60601-1-3:2008	1.2 mm Aluminium at 75kV
Added filtration (optional) IEC 60601-1-3; §3.3 / §7.3 / §7.5	2 additional motor driven filters; selectable combinations (though CAN-bus): • No added filtration • Filter 1 =1 mm Al + 0.1 mm Cu • Filter 2 =1 mm Al + 0.2 mm Cu • Combined: 2 mm Al + 0.3 mm Cu
Remote comm.protocol	CAN bus
Bucky center line laser EN-IEC 60825-1	Class 1 laser
Light source	Power LED, white with adjustable illuminance..
Light field timer	Adjustable timer. Factory setting: 20 seconds
Light field illuminance IEC 60601-2-54:2009	>230 lx with illuminance set to 100% (1m from focus, 35x35cm)
Light field contrast IEC 60601-2-54:2009	>4:1 (35x35cm at 1m SID)
Leakage radiation IEC 60601-1-3:2008	≤0.5 mGy/hr (at 1m, 150kVp, 4mA)
Mounting distance (of mounting plane from focus)	80 ± 1mm
Accessory guides	One pair of rails for 2 accessories, maximum 177mm wide and 2mm thick
Power consumption	24V DC, 35 VA max
Weight	9.0 kg
Operating conditions	Ambient temperature +10°C to +40°C. Atm. pressure 700-1060 hPa. Relative humidity 30% to 95%, non condensing
Compliance	Conforms to the requirements of FDA and the European Medical Device Directive (CE mark Class IIb)

MORE INFORMATION

Varex Imaging Corporation is a leading innovator, designer and manufacturer of X-ray imaging components, which includes tubes, digital flat panel detectors and other image processing solutions, which are key components of X-ray imaging systems.

For more information, please contact a Varex Imaging sales representative in your territory. Contact details are available at www.vareximaging.com/contact information.

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