

R10

SQUARE/RECTANGULAR-FIELD, SINGLE-LAYER X-RAY COLLIMATOR, SPECIFICALLY DESIGNED FOR DENTAL UNITS.

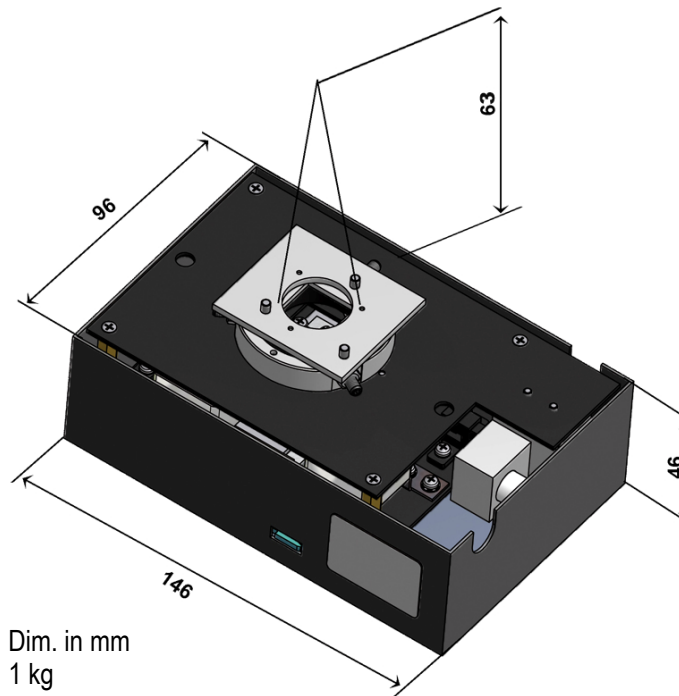
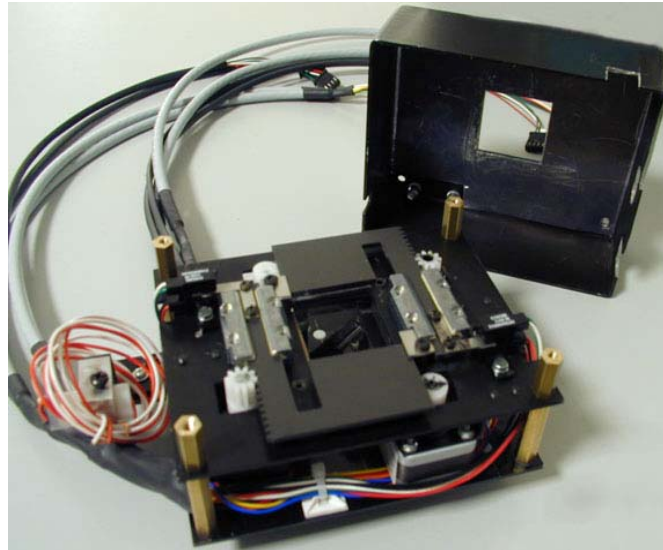
Four lead-lined shutters near the exit window of the x-ray beam from the collimator and, a lead disk near the x-ray focus define the x-ray field. Square field size at 100 cm Focus Field Distance (SID) with collimator mounted at 62 mm from the x-ray focus is 30 x 30 cm. The movements of four shutters are motorised with independent control of each blade. A linear laser provides size and centre of the x-ray field.

The four shutters move perpendicularly within the x-ray field; shutter movements are controlled by stepper motors.

An external board via Can-Bus or I²C protocol signals controls shutter positioning. The board provides precise drive (up to 1/16th step) of the motor and allows the readout of 4 photocells that provide motor/shutter zero.

The board is DC supplied with values ranging from 13 to 34 V DC - max. input about 700 mA and accommodates two types of interface: Can Bus and I²Cbus.

The 4 steppers motors are control driven. The board software provides 8 field sizes at different Focus-Film Distances (FFD-SID).



Dim. in mm
1 kg

TECHNICAL FEATURES:

- Radiation shielding: 90 kVp - 4 mA
- Minimum inherent filtration 0.5 mm aluminium equivalent.
- Continuous film coverage from Min: 0x0 cm to Max: 48 x 48 cm at 172 cm.

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