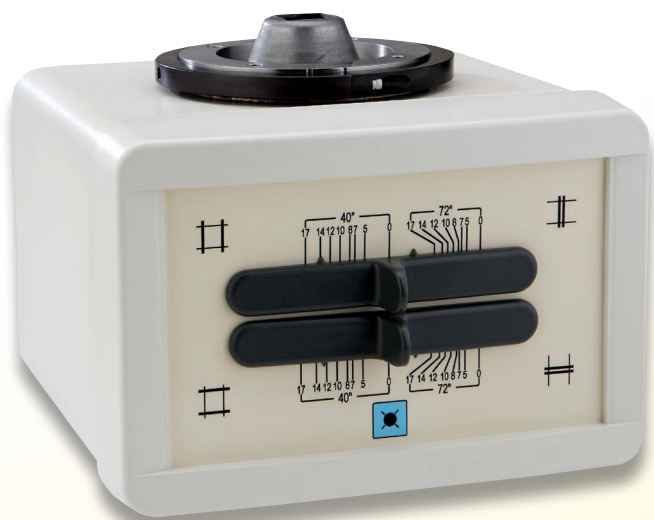


Huestis Collimators



**ISO9001
REGISTERED**

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AFRICA | ASIA | EUROPE | LATIN AMERICA | MIDDLE EAST | NORTH AMERICA





Huestis Medical's manual collimators are available in certified (CM-1100 or CM-1200) and non-certified (CM-1000) versions. The Huestis Medical collimator line also boasts an eighty percent reduction in discrete parts found in other collimator designs. The extremely simple design features a modular core assembly with perpendicular flat collimator blades for increased reliability and quick servicing.

Choose our simplified slide input manual, rotary input manual, or one of our many motorized versions to complement a wide range of radiographic applications.

Manual Collimators Model Series CM-1000, CM-1100, CM-1200

Simple Design

Highly engineered design features a simplified core to eliminate over 80% of discrete parts found in other collimator designs.

Compact Size

Compact 6 in x 9 in x 9 in (15 cm x 23 cm x 23 cm) manual model weighs only 13 lbs (5.9 kg), requiring less counterweight for improved system performance.

Thumb Slides or Rotary Input

Unique thumb-slide or traditional rotary input shutter positioning to facilitate precision adjustments and improve positioning accuracy.

Direct Coupled

Direct coupled drives eliminate mechanical backlash common to other designs.

Easily Serviced

Modular design and perpendicular, flat collimator blades increase reliability and facilitate quick servicing. The entire collimator can be disassembled and serviced in minutes.



HUESTIS COLLIMATORS



Huestis Medical's Selectable™ (CM-2200) provides pre-formatted sizing selection without the complexity of traditional automatic PBL systems. It allows technicians to easily select film size and SID directly from the front panel.

Choose our CM-3200 Series which includes the features of the CM-2200 with the addition of discrete communications and on-board PBL capabilities or our CM-3201 Series for serial controlled units (from custom software provided by customer) in a choice of RS232, RS485, or CANBUS protocols.

Our CM-3300/CM-3301 Series collimators add an IRIS shutter layer for fluoroscopic imaging applications.

Special order remotely controlled under-table models are also available to complement a wide range of applications tailored to your radiographic needs.

Motorized Collimators Model Series CM-2200, CM-3200, CM-3300

Pre-formatted Sizing

Provides technicians with easily selectable pre-formatted film sizes and source-to-image distance (SID) directly from the front panel of the collimator.

Integral Electronics

Micro-controller electronics are self-contained in the collimator head, eliminating problems with complex remote electronic logic and cabling.

Compact Size

Compact 6 in x 10.5 in x 9 in (15 cm x 27 cm x 23 cm), weighs only 14 lbs (6.4 kg), requiring significantly less counterweight for improved performance.

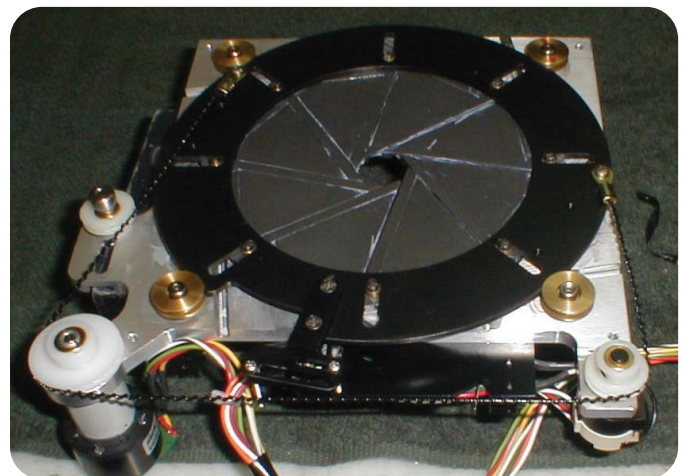
[Note: CM-3300, 7 in x 10.5 in x 9 in (18 cm x 27 cm x 23 cm)]

Direct Coupled

Direct coupled drives eliminate mechanical backlash common to other designs.

Easily Serviced

Modular design and perpendicular flat collimator blades increase reliability and facilitate quick servicing. The entire collimator can be disassembled and serviced in minutes.



IRIS shutter assembly



Motorized Collimators Model Series CM-4200, CM-4201

Rotary Input Convenience

High performance “fly-by-wire” rotary input controls allow the technician to easily adjust film size without having visual contact with the collimator front panel or controls.

Integral Electronics

Micro-controller electronics are self-contained in the collimator head, eliminating problems with complex remote electronic logic and cabling.

Compact Size

Compact 6 in x 11.5 in x 9 in (15 cm x 29 cm x 23 cm) model weighs only 14 lbs (6.4 kg), requiring significantly less counterweight for improved system performance.

Direct Coupled

Direct coupled drives eliminate mechanical backlash common to other designs.

Easily Serviced

Modular design and perpendicular flat collimator blades increase reliability and facilitate quick servicing. The entire collimator can be disassembled and serviced in minutes.

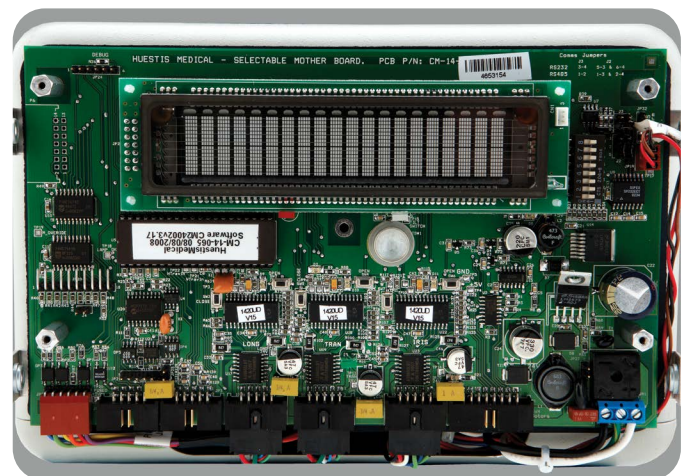
Huestis Medical’s RE Series (CM-4200/CM-4201) provides a rotary input interface solution with the same reliability available throughout the Huestis Medical collimator line.

Choose our CM-4200 Series, a motorized manual with rotary knob interface and keypad source-to-image distance (SID) selection capability.

Our CM-4201 Series is equipped for serial control (from custom software provided by customer) in a choice of RS232, RS485, or CANBUS protocols. The rotary input interface allows on-the-fly field size adjustments by the technician.



Easy access lamp replacement



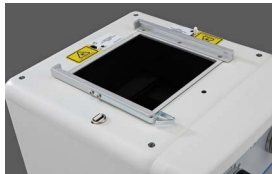
Microprocessor control system

Huestis Collimator Options

Optional accessories available to customize your Huestis Medical collimator

Isocenter rotation detent ring

Isocenter rotation with spring-loaded detents at 90° intervals. CM-1016-012 [Standard on motorized collimators]



Accessory tray rails

Exit port rails are ideally suited for supporting various items such as DAP chambers, field blocks, or filters. [Standard on motorized collimators]

Laser bucky alignment guide

Provides accurate bucky alignment. Actuated with field localizer lamp. [Standard on motorized collimators]



Laser crosshair alignment guide

Lateral laser works in conjunction with the bucky alignment laser to provide a convenient crosshair localizer to indicate isocenter when the shutter blades are closed. Actuated with field localizer lamp. [Standard on motorized collimators]



Off-focus transverse input shutters

Provides an additional layer of ray blocking inside the tube port. Directly coupled to the transverse shutter assembly. Available by special order only. Cannot be retrofitted.

Source to surface tape measure

Integrally mounted tape measure reads source-to-surface distance simply and easily. Retracts out of the way when not in use. [Standard on motorized collimators]

Skin guard

Provides required source-to-skin spacing capabilities, optional.

Integral Dose Area Product (DAP) chamber mounting

Internal mounting of the DAP chamber keeps it safe inside the collimator and ready for use at all times. Consult factory for DAP compatibility. Customer is responsible for DAP system integration.

Cu Spectral Filters

Motorized or manual versions of the 3 stage Cu spectral filter system are available for use on most Huestis Medical collimators. Standard configuration allows 0, 0.1 mm and 0.2 mm levels of additional filtration. (Motorized style is not for CM-1x00 series). Available by special order only. Cannot be retrofitted.

Specifications

Accuracy

- Better than 0.5% of SID at 40 in (101.6 cm)

Repeatability

- Better than .25% of SID at 40 in (101.6 cm)

Size

- 6 in H x 10.5 in L x 9 in W (15 cm x 26.7 cm x 23 cm)

Weight

- 14 lbs (6.4 kg)

Rating

- Meets or exceeds all requirements of 21 CFR at 150 kVp

Film Coverage Range

- Continuously variable from closed to 17 in x 17 in at 36 in SID (43 cm x 43 cm at 91.5 cm)
- Proportionate coverage at greater SID

Leakage

- <50 mR/hr at 1 m, 150 kVp at 4 ma

Inherent Filtration

- Minimum 2.0 mm aluminum equivalent at 70 kVp

Edge Contrast

- 4:1 minimum

Lamp Type

- FCS quartz-iodide 150 watt 24 VDC
- Thermal safety switch

Lamp Timer

- 20 or 40 seconds on with independent off

Light Output

- More than 160 LUX at 100 cm



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making it affordable™

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