EC FILM PORTAL IMAGING

The EC Film is used in the EC-L Lightweight cassesttes. The cassettes are no longer offered from Carestream.

CE

Item #	Description	Size	Quantity
113-234	EC Film, 100 Films/Box	14" x 17" (35 x 43 cm)	5 Boxes

AGFA RADIATION THERAPY CASSETTES

CRC Radiation Therapy Cassettes use all brands of film, including ready pack films. They are designed especially for radiotherapy and feature high-quality lead intensifying screens similar to those used in high-energy industrial radiography.

Note: These cassettes are not returnable.

Item #	Film Size	Front Screen	Rear Screen	Window	Energy	Weight
869406	10" x 12"	1.00 mm T	0.50 mm T	No	10 MeV - Up	5.4 lb

M

SIMULATOR RADIOGRAPHIC CASSETTE WITH GRID

The Radiographic Cassette with grid (14" x 17" or 35.7 x 43.3 cm) has an aluminum inter-spaced grid, 103 line, 8:1 Ratio and 48" to 72" focus range. The use of Kodak Lanex Fast Green Screens give a faster film speed than regular screens.
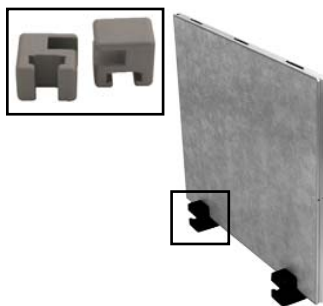
Note:
Order lead screens separately.

Customer must verify the thickness of a cassette that will fit into cassette holder.

Item #	Size	Thickness	Window
118-117-02	14" x 17"	0.545" (1.4 cm)	No

Non-Returnable Item

RAIL CASSETTE HOLDERS

The Rail Cassette Holders (set of two) easily slide onto the couch rails from either side. They are securely held in place and can not be jarred off.
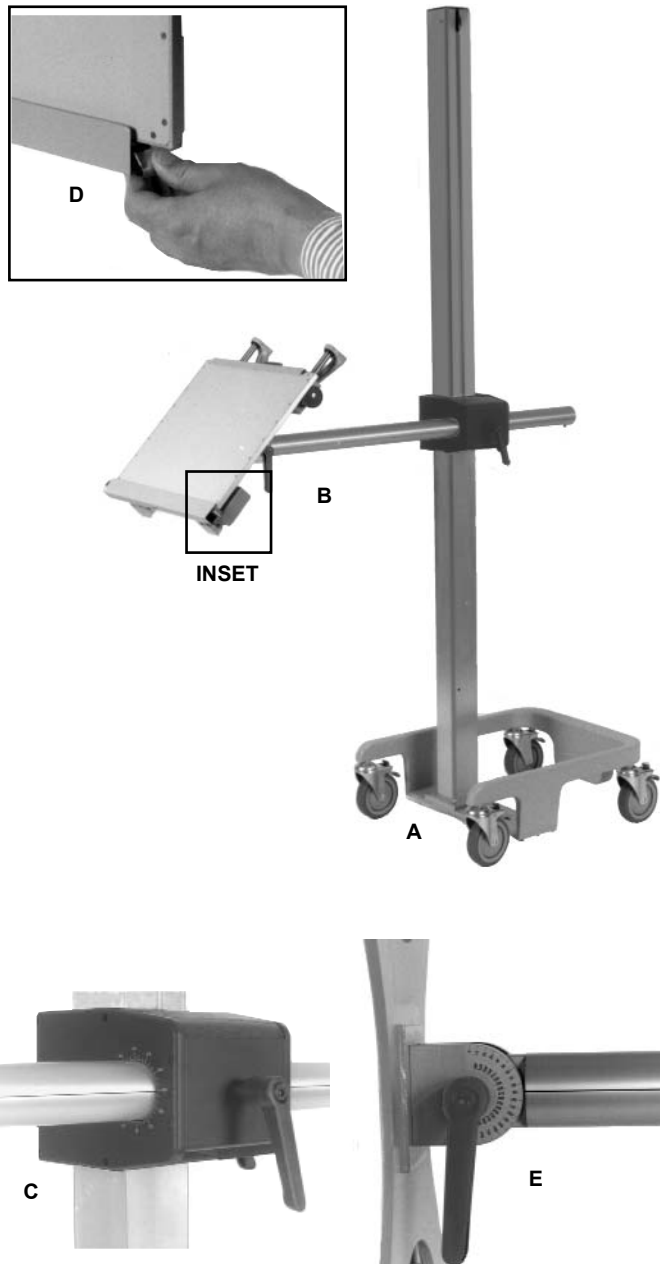
Specifications

Width of Cassette: 5/8" (1.6 cm)

Item #	Description	Size
128-403	Varian Clinac 4 Set	3/8" x 1 1/8" (0.95 x 2.87 cm)
128-403	Varian PSA Spine Set	3/8" x 1 1/8" (0.95 x 2.87 cm)
128-404	Varian ETR Set	3/8" x 1 1/8" (0.95 x 2.87 cm)
128-403	Varian Ximatron Set	3/8" x 1 1/8" (0.95 x 2.87 cm)
128-420	Siemens Z-II, Z-IV or Z-XT Set	3/8" x 1" (0.95 x 2.55 cm)
128-420	Siemens Mevasim Set	3/8" x 1" (0.95 x 2.55 cm)
128-427	Siemens TEM Set	3/8" x 1" (0.95 x 2.55 cm)
128-430	Philips SL25 or SL75 Set	State Rail Size
128-460	Oldelft Simulator Set	State Rail Size
128-470	Mitsubishi Set	.2" x 1" (0.5 x 2.5 cm)

MOBILE DR, CR AND CASSETTE HOLDER

RPDinc's design allows the DR, CR and Cassette Holder to extend 6" (15.24 cm) further over the couch than other units on the market. An option is available for a custom post height for extended range couches.

M

D

B

INSET

C

E

A

- **Smooth gliding motion on roller bearings**
- **High range of motion**
- **Counter-balanced DR, CR and cassette holder**
- **Counter-balanced base**
- **DR, CR and Cassette safety latch**
- **Easy loading from either side**
- **Automatic angle indicators**
- **Holds most DR and CR plates**

The Mobile DR, CR and Cassette Holder has been engineered around the needs of the radiation therapist with unmatched ease of motion obtained through the use of precision components.

Needle roller bearings enable smooth travel both vertically and horizontally eliminating the frustrating binding action found on other cassette holders when repositioning. The DR, CR and Cassette Holder glides freely even while a heavy cassette is loaded. A counter-weight offsets the weight of the cassette, allowing for almost effortless motion. The DR, CR and Cassette Holder is able to position close to tables and objects due to the unique base counter-weight system and the offset square post (Figure A). These 2 features prevent rotation and the possibility of the unit tipping over.

The DR, CR and Cassette Holder can tilt 180° (Figure B), rotate 360° (Figure C) and is spring loaded to provide tension on the cassette to ensure that it is secured. A spring loaded latching system (Figure D) enables up to a 14" x 17" (35.5 x 43 cm) cassette to be inserted from either side and once latched, secures the cassette from sliding out during rotation. The cassette carrier will also accept 14" x 36" and 17" x 28" (35.5 x 91.5 cm and 43 x 71 cm) cassettes by bypassing the latching mechanism.

Easy to read angle indicators (Figures C & E) allow for accurate angulation of the cassette carrier. Indicator scales coincide with the degree rotation of the treatment machine gantry, eliminating the need for calculating the correct cassette carrier angle. Simply rotate the cassette carrier so the degree indicator reading is the same as the machine gantry reading, and the correct corresponding angle is automatically established.

Motion locking systems are equipped with large comfortable ratchet type handles which enable the operator to easily secure positions with minimal effort. Easy mobility is accomplished with four high quality ball bearing wheels. The wheels have a toe tap positive locking mechanism which doesn't allow swivel or movement of the wheel, providing excellent safety and stability.

The Mobile Cassette Holder will hold any DR or CR plate that has the same dimensions as an analog film cassette.

Specifications

Maximum DR, CR and Cassette Height: 70" (177 cm)
Minimum DR, CR and Cassette Height: 15" (38 cm)
Maximum DR, CR and Cassette Extension: 26" (66 cm) from front edge of base to center of cassette
Arm Length: 36" (91.5 cm)
Base: 19" x 24" (48.3 x 61 cm)
Height: 82.75" (210 cm)
Finish: Textured tan polyurethane , clear and black anodizing
Weight: 145 lb (66 kg)
Shipped UPS (3 cartons)

Item #	Description
130-001	Mobile DR, CR and Cassette Holder

HUESTIS FLEXI-HOLDER®

Huestis Flex-Holder® significantly reduces retakes caused by improper cassette positioning. It permits smoother scheduling and superior radiographs saving film, time and labor for cost effective radiographic procedures.

The free-standing model features an extra wide base for maximum stability. It allows accurate radiographs to be taken from virtually any angle from floor level to 71" + (180 cm) high. It rolls into position on large, locking casters and tilts the cassette 180° facing straight up, down, or anywhere in between. This free-standing model accepts virtually all cassettes.

Eliminates Retakes
- Helps eliminate retakes caused by improper cassette positioning.
- Replaces inefficient sandbags and other "make-shift"holders.

Versatile Savings
- Saves time and labor for smoother scheduling and superior radiographs.
- Saves film and reduces radiation exposure due to minimal retakes.
- Minimizes patient assistance and discomfort in positioning.

Flexible Arm Movement
- Radiographs can be taken from any angle from floor level to 71" (180 cm).
- Tilts cassette 180° facing straight up, straight down or anywhere in between
- Rotates cassette 360° clockwise or counterclockwise
- Arm rotates 360° on vertical column
- Arm assembly is counter-weighted for easy raising or lowering
- 36" (91 cm) arm

Convenient Ratchet Handles
Ratchet handles can be repositioned easily to help eliminate interference problems when positioning cassettes.

One Hand Operation
A lip on the cassette holder enables the cassette to be inserted with one hand, if necessary.

Accurate Calibration Scales
Column and arm calibration scales provide exact, repeatable angulation.

Easy Operation
Drop cassette against stop and tighten grips. Adjust visually or by calibration scales. Roll into place and lock casters.

Diagnostic Applications
- Three-way studies of acute abdomens
- Myelograms
- Fractures where patient is immobilized
- Lateral decubitus fluid level studies of abdomen and chest
- Operating room radiography

Therapeutic Applications
- Radiation therapy verification films (portal films)
- Localization for tangential breast, isocentric or oblique fields
- Simulation without fluoroscopy
- Implant source localization by orthogonal films

Specifications

Base: 19" x 22" (48.4 x 56.1 cm)
Overall Height: 75" (191.2 cm)
Weight: 110 lb (50 kg)
Ships by truck

Item #	Description	Horizontal Arm
130-303-1	Mobile Flexi-Holder	36" (91.8 cm)

M

21 STEP WEDGE SENSITIVITY GUIDE

The 21 Step Wedge Sensitivity Guide is a transparent step wedge with 21 steps that get progressively denser by increments of 0.15. Each step is numbered and has accurate and uniform increments.

The 21 Step Wedge Sensitivity Guide meets the needs for critical densitometry with traceability. Densities compare with those of a NIST Standard Reference Material No, 1008 Step Tablet by means of a densitometer that conforms to conditions specified in American National Standards Diffuse Transmission Density A.N.S.I. PH2.19-1986.
NIST traceable.

Specifications

Size: 1.375" W x 9.5" L (3.49 x 24.13 cm)

Item	Description
370-005	21 Step Wedge

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TBX1000™ TRANSMISSION DENSITOMETER

The TBX1000™ Transmission Densitometer measures ISO Visual diffuse Optical Density (OD) to 6.00D. This wide measuring range allows evaluation of many types of film, laminates, and substrates. The data can be uploaded to spreadsheets via the USB port. To meet special requirements an optional filter carrier may be supplied allowing supplementary filters to be used to isolate a portion of the spectrum that may be of interest. The TBX™ can show deviations from a stored reference value for all functions.

Specifications

Optical Design: ANSIPH2.19
Display: Graphical LCD (128x64 pixel)
Apertures: 1, 2, 3mm
Throat Length (Arm): 7.5" (191mm)
Output Port: USB
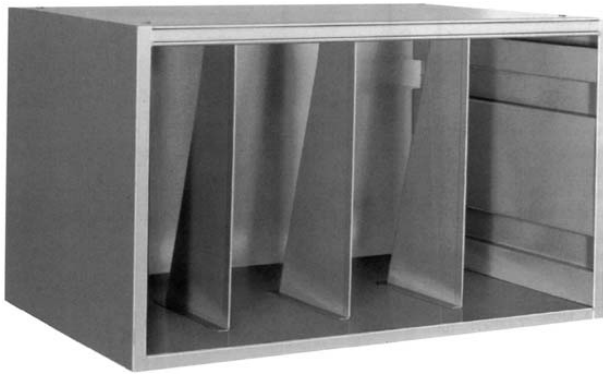**Power:** 12V via universal 110/220 Adapter
Measuring Range: 0 to 6.00D
Accuracy: ±0.02D
Precision: ±0.01D
Warm-up Time: None

- Soft key menu operation
- Advance optical system to meet various industries' specifications
- 7.5 inch throat to measure large samples
- Readings are very repeatable with a high degree of accuracy
- Optional band pass filter
- USB port standard
- Software Calibration
- Switchable LED table lamps
- Excellent for measuring optical densities of metallized films

Item	Description
370-002	TBX1000™ Transmission Densitometer
370-000-3	0.3mm Aperture for 370-002 Densitometer

STACKABLE VERTIFILE

The open shelf Vertifile can be stacked one upon the other, side by side, and back to back. Each section is shipped complete and set up. No assembly is required. When stacking, the cabinets are secured together with 4 screws through matching holes in top and bottom of each cabinet. Partitions are fixed and not adjustable.

Specifications

Inside Dimensions of Each Shelf: 19.5" D and 16.1" H (49.7 x 41 cm)
Exterior Dimensions: 29" W x 19.75" D x 17.25" H (73.9 x 50.3 x 43.9 cm)
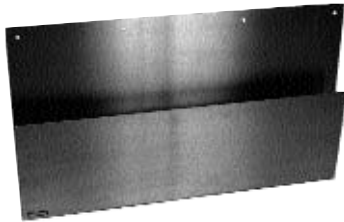**Approximate Distance Between Partitions:** 7.25" (18.5 cm)
Finish: Light gray baked enamel (on cold rolled steel).
Weight: 48 lb (22 kg)

Item	Description
122-841	Stackable Vertifile

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WALL MOUNTED CASSETTE HOLDERS

These stainless steel Cassette Holders mount to the wall for storing cassettes before using.

Specifications

Size: 31" W x 19" H x 2" D (79.02 x 48.43 x 5.1 cm)

Item	Description
129-831	Wall Mounted Cassette Holder

TRIMLINE PLUS HI-LO™ ILLUMINATORS

- **Variable light intensities per viewing area**
- **Film activated auto switches**
- **Cluster switches and a master switch on 2 over 2 units and up**
- **Gravity roller grip film retainer**
- **"E-Z"™ Bar for easy surface wall mounting**
- **Power: 120VAC, 60Hz, 1.10 Amp**

The Trimline Plus Hi-Lo™ provides two light intensities per each 14" x 17" (35.7 x 43.3 cm) viewing area. Uniquely at the lower light intensity, all 4 bulbs remain lit to maintain the even light distribution. The Trimline Plus Hi-Lo™ is available in 12 sizes.

It features a sleek 3.25" (8.3 cm) deep cabinet with a baked on white finish, a roller grip film retainer, an 8' (2.4 m) power cord with hospital grade plug, film activated auto switches. Cluster switches on 2 over 2 units and up. Recessed wall mounting is available and includes a frame.

UL 60601-1
CAN/CSA C22.2 No. 601.1

Item	Trimline Plus Hi-Lo™ Illuminators	Wall Mounting Size	Weight
1020-602	2 Bank Unit with 28" x 17" (71.4 x 43.3 cm) view	28" W x 3.25" D x 22" H (71.4 x 8.3 x 56.1 cm)	45 lb (21 kg)
1020-603	3 Bank Unit with 42" x 17" (107.1 x x 43.3 cm) view	42" W x 3.25" D x 22" H (107.1 x 8.3 x 56.1 cm)	68 lb (31 kg
1020-604	4 Bank Unit with 56" x 17" (142.7 x 43.3 cm) view	56" W x 3.25" D x 22" H (142.7 x 8.3 x 56.1 cm)	93 lb (43 kg)
1020-622	2 Over 2 with 28" x 34" (71.4 x 86.7 cm) view	28" W x 3.25" D x 44" H (71.4 x 8.3 x 112.2 cm)	94 lb (43 kg)
1020-633	3 Over 3 with 42" x 34" (107.1 x 86.7 cm) view	42" W x 3.25" D x 44" H (107.1 x 8.3 x 112.2 cm)	131 lb (60 kg)

Other Sizes Available

DESK TOP VIEW BOXES

1020-28

1020-36

M

Item 1020-28
- **Brightest lightbox on the market.**
- **Rust resistant stainless steel frame**
- **Rugged, durable and long lasting**
- **Proven, Green LED technology**
- **Color Temperature: Bright White LED**
- **Components are CE and RoHS. This newer technology allows our light boxes to be used in any country**
- **Energy efficient and rated 50,000 hours**

Specifications

Lights: 21 Bright White LED Modules
Power Cord: Integrated 6' / 1.8 m three-prong grounded cable
Power: 110/240 VAC, 50/60 Hz
Size: 18" W x 24.5" L x 3" H (45.9 x 62.5 x 7.7 cm)
Weight: 12 lb (5.5 kg)

Item 1020-36
- **Shatter-resistant acrylic top gives maximum light diffusion and minimum glare**
- **Rubber feet prevent sliding**
- **Screw-on acrylic top is easily replaced and all interior components are easily serviced**
- **No starters to burn out**
- **6' (2 m), 3-wire electric cord with grounding plug**
- **Rust-resistant stainless steel frame**
- **Listed by Underwriters' Laboratories**

Specifications

Lights: Six 20 watt fluorescent bulbs
Switches: Three (each switch controls two bulbs)
Power: 115 VAC, 60 Hz
Size: 24.5" W x 36" L x 3" H (62.5 x 91.8 x 7.7 cm)
Weight: 29 lb (13.2 kg)

Item	Description	Power
1020-28	Small View Box, 18" x 24.5" x 3"	110/240 V, 50/60 Hz
1020-36	Large View Box, 24.5" x 36" x 3"	115 VAC, 60 Hz

INTENSI-SPOT

The Intensi-Spot provides a concentrated light source for viewing sections of an overexposed film. Utilizing a 75-watt lamp, shielded by an octagon mask for light concentration, the Intensi-Spot can be tilted to any angle.

The Intensi-Spot includes a handy foot switch that can vary the light's intensity . The unit comes in a baked-on white polyester powder finish, with holes in the base for wall mounting, and a 6' (1.8 m) power cord with 3 prong plug.

Specifications

Power: 120VAC, 60Hz
Size: 9" H x 6" D (23 x 15.3 cm)
Weight: 5 lb (2.3 kg)

Item	Description
1021-295	Intensi-Spot

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COOL-LITE

The Cool-Lite is a unique viewing device that provides concentrated light for viewing sections of over-exposed film. By using an energy-efficient 15 watt fluorescent bulb (equiv . to 60 watt incandescent), the Cool-lite can be left on all day and does not generate heat.

The Cool-Lite tilts to any angle, has a white baked-on polyester powder finish, and includes holes in the base for easy wall mounting. The Cool-lite comes with a 6' (1.8 m) power cord with a 3 prong lug.

Specifications

Power: 120VAC, 60Hz
Size: 9" H x 6" D (23 x 15.3 cm)
Weight: 5 lb (2.3 kg)
UL 60601-1CAN/CSA C22-2 No. 601.1

Item	Description
1021-695	Cool-Lite

BRIGHT-SPOT ILLUMINATOR

- **Wall or Desk Mount**
- **Swivel Base**
- **Variable Intensity Foot Switch Control**

A unique low cost bright spot illuminator for viewing dense films. The lamp housing swivels for easy viewing, base has key holes for wall mounting and plastic non-marring feet to stand on a desk. A rheostat foot switch is supplied to vary the brightness of the special high intensity bulb which is surrounded by a polished aluminum reflector.

Bright-Spot comes with a 6' (2 m) line cord with 3 prong plug.

Specifications

Finish: Light gray baked enamel
Power: Viewer operates on 120 VAC, 60Hz, 0.7 Amps AC
Size: 6" W x 7" D x 8" H (15.3 x 17.8 x 20.4 cm)

Item	Description
1021-188	Bright Spot Illuminator

FILM DUPLICATOR

Constructed of stainless steel finished in durable baked enamel, this duplicator can be used with any available duplicating film.

To operate the duplicator, simply place the film to be duplicated on the plexiglass screen with a sheet of duplicating film on top, close the cover and set the exposure time. The red light will signal you when exposure is complete. Develop your duplicating film.

Specifications

Screen Size: 14" x 17" (35.68 x 43.33 cm)
Unit Size: 16" W x 23.25" L x 9" H (40.8 x 59.3 x 22.9 cm)
Weight: 41 lb (18.7 kg)

Item	Description
370-250	Film Duplicator

M

ACCELERATOR LOCALIZING CROSS TRAY
With Divergent Tungsten Pins - Wedge Slot

The Accelerator Localizing Cross Trays have divergent tungsten pins 1/16" and 3/32" in diameter x 1/2" long (0.16 and 0.24 x 1.27 cm). They are spaced 1 cm apart in four quadrants at isocenter. Every fifth pin is 3/32" (0.24 cm) diameter, which makes for easy counting. The small dots prevent any obscuring of the film viewing, yet allow easy measurements. The acrylic graticule fits into the metal tray so the graticule will not shift off center even if bumped. **Note: Localizing Cross Trays can be manufactured for any accelerator.**
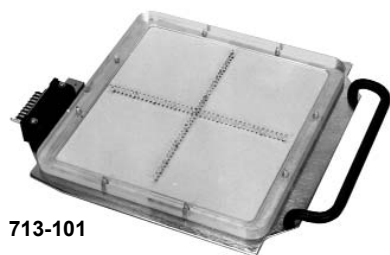
Information Needed To Order

- Machine Manufacturer and Model
- Type of Coding
- Target to bottom of wedge tray slot in centimeters
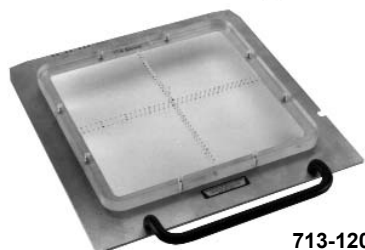- Contact Information

Specifications

Acrylic Tray Density: 1.185 g/cm^3

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713-101

713-120

VARIAN GRATICULES

Item	Description	Field Size	Distance
713-101	Varian Type II Graticule Wedge Slot, Coding Plug (15 or 09) on Metal Tray		42.1, 49.2, 53.0 or 53.8 cm
713-103	Varian Type II Graticule Wedge Slot, Coding By-Pass on Metal Tray		
713-120	Varian Type III Graticule Wedge Slot, Optical Coded on Metal Tray		49.2 or 53.0 cm
713-121	Varian Type III with MLC Graticule Wedge Slot, Optical Coded MLC on Metal Tray	30 x 30 cm	57.6 cm
713-123	Varian Type III with MLC Graticule Wedge Slot, Optical Coded MLC on Metal Tray	40 x 40 cm	57.6 cm

Graticules for Other Varian Machines Are Available
Please Provide Contact Information When Placing Order

SIEMENS GRATICULES

Item	Description
713-221	Siemens Mevatron Graticule Wedge Slot with Screw Coding
713-232	Siemens Primus with MLC or Mevatron Graticule Wedge Slot with Digital Coding Plug (S2N01 or S2N18)
713-235	Siemens Mev 12 Graticule Wedge Slot
713-236	Siemens Mev 6 Graticule Wedge Slot

713-232

OTHER MANUFACTURERS GRATICULES

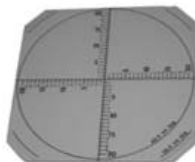| Item	Description
713-300	AECL Therac 6 Graticule
713-400	Elekta/Philips SL15, 18, 20, 25 Graticule Tray Slot
713-401	Elekta/Philips SL75-5 Graticule Tray Slot
713-403	Elekta/Philips SL-20, 75, L5 Graticule Mounted to Gantry Head

713-403

SIEMENS REPLACEMENT GRATICULE

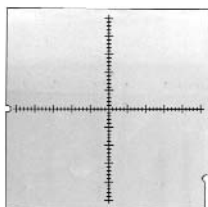This replacement Siemens photon light field graticule can be mounted to a removable tray.

793-000 and 793-001

793-002

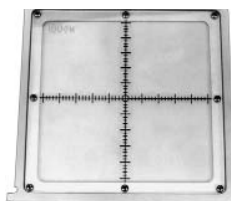| Item	Siemens Replacement Graticule
793-000	Screw Coding, Siemens P/N 19-41-959 Rev. D Revision D: The central axis starts at 4.283" (109mm)
793-001	Screw Coding, Siemens P/N 19-45-463 Rev. A Revision A: The central axis starts at 4.187" (106mm)
793-002	Digital Coding, Siemens P/N 8497752

SIEMENS SIMULATOR GRATICULES

790-100

Item	Description	Distance
790-080	Siemens Simulator Graticule	80 cm
790-100	Siemens Simulator Graticule	100 cm
790-120	Siemens Simulator Graticule	120 cm
790-140	Siemens Simulator Graticule	140 cm

Please Provide Contact Information When Placing Order

SIEMENS MEVASIM S SIMULATOR GRATICULES
With Aluminum Frame

790-210

Item	Description	Distance
790-208	Siemens Mevasim S Simulator Graticule with Frame	80 cm
790-210	Siemens Mevasim S Simulator Graticule with Frame	100 cm
790-220	Siemens Mevasim S Simulator Graticule with Frame	120 cm
790-240	Siemens Mevasim S Simulator Graticule with Frame	140 cm

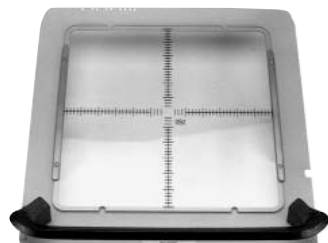**Please Provide Contact Information When Placing Order**

VARIAN XIMATRON SIMULATOR GRATICULES
With Aluminum Frame

791-108

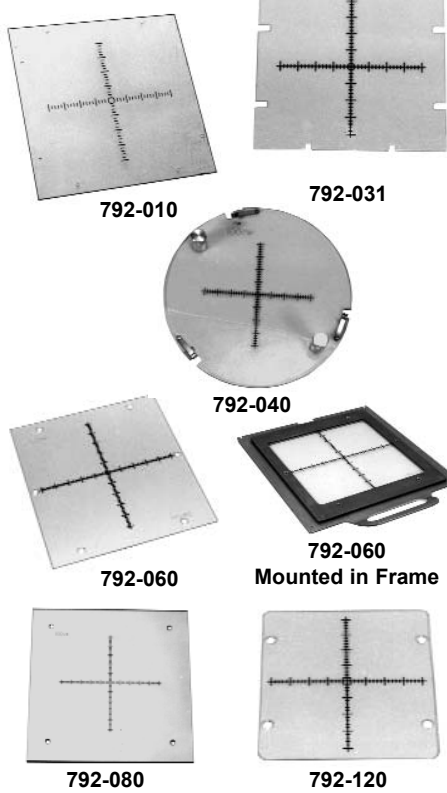| Item	Description	Distance
791-108	Varian II Ximatron Simulator Graticule with Frame	80 cm
791-100	Varian II Ximatron Simulator Graticule with Frame	100 cm
791-120	Varian II Ximatron Simulator Graticule with Frame	120 cm
791-130	Varian II Ximatron Simulator Graticule with Frame	130 cm
791-140	Varian II Ximatron Simulator Graticule with Frame	140 cm
791-101	Graticule Frame ONLY	

Please Provide Contact Information When Placing Order

791-168

Item	Description	Distance
791-160	Varian III Ximatron Simulator Graticule with Frame	80 cm
791-162	Varian III Ximatron Simulator Graticule with Frame	90 cm
791-164	Varian III Ximatron Simulator Graticule with Frame	100 cm
791-166	Varian III Ximatron Simulator Graticule with Frame	110 cm
791-168	Varian III Ximatron Simulator Graticule with Frame	120 cm
791-170	Varian III Ximatron Simulator Graticule with Frame	130 cm
791-172	Varian III Ximatron Simulator Graticule with Frame	140 cm
791-160-4	Graticule Handle ONLY	
791-160-11	Graticule Frame ONLY, Optical Coded	

Please Provide Contact Information When Placing Order

M

M - 11

SIMULATOR GRATICULES
(80 cm, 100 cm, 120 cm or 140 cm)

The Graticule is custom made for any simulator and can be furnished with a holder for mounting to the simulator. Line spacing at isocenter is 1 cm with every 5th cm line longer, as pictured. The high density line is 0.020" (0.050 cm) wide. Please specify distance needed for graticule and contact information.

M

792-010

792-031

792-040

792-060

792-060 Mounted in Frame

792-080

792-120

Item	Description	Distance
792-010	AECL Simulator Line Graticule	All
792-011	AECL Therasim Line Graticule	All
792-020	TEM Simulator Line Graticule	All
792-030	Philips Simulator Line Graticule	All
792-031	Philips 1976 Simulator Line Graticule	All
792-032	Philips Super M80 Simulator Line Graticule	All
792-033	Philips SLS-9 Simulator Line Graticule	All
792-040	Oldelft Simulator Line Graticule	All
792-041	Replacement Oldelft Simulator Graticule	All
792-050	CGR Simulator Line Graticule	All
792-060	Kermath Simulator Line Graticule	All
792-070	Mitsubishi Simulator Line Graticule	All
792-080	Picker Simulator Line Graticule	All
792-090	Toshiba LX-8 Simulator Line Graticule	All
792-092-1	Toshiba LX-30A Simulator Line Graticule, Tray ONLY	
792-092-2	Toshiba LX-30A Simulator Line Graticule	80 cm
792-092-3	Toshiba LX-30A Simulator Line Graticule	100 cm
792-100	TEM (Sold by Siemens) Simulator Line Graticule	All
792-102	Replacement Varian Simulator Line Graticule	80 cm
792-120	Haynes Simulator Line Line Graticule	All

SIMULATOR GRATICULE HOLDERS

The holder will allow different graticules (80 cm, 100 cm, 120 cm or 140 cm) to be used.

Item	Description
792-601	AECL Simulator Holder for Multiple Graticules
792-630	Philips Simulator Holder for Multiple Graticules

Other Manufacturers Available