

Faxitron® 43855 Series X-Ray Imaging Systems

The Faxitron 43855 Series for scientific and industrial applications is available in models C through F with many options to choose from to best meet your specific application. These include microfocus and high kV x-ray sources, computed radiography (CR) imaging, and real-time imaging components. CR systems utilize phosphor storage plates in place of film. These flexible plastic plates are coated with an x-ray sensitive material that can be erased and reused thousands of times. No changes in x-ray exposure settings are required. Real-time image acquisition is achieved through the use of an x-ray image intensifier coupled with a high resolution CCD camera. Nine inch, 6", and 4" image area intensifier packages are offered. The high resolution video image is analyzed with image processing software and stored for later review.

However configured, all 43855 models are safe and reliable, provide long life, and excellent value. All models are simple to operate and require no radiographic training. From the compact 43855D, to the extra-spacious 43855E, you can select from a variety of cabinet sizes and film-to-source distances to fit your testing requirements. For specifics, see the specification chart below.



Model 43855E shown

Scientific & Industrial X-Ray Imaging Systems

	43855D	43855E	43855F
Energy range	10-110 kV (130 kV optional)		
Tube current	3.0 mA		
Focal spot size, nominal	0.5 mm (0.05 mm optional)		
Window filtration	0.03" beryllium		
Beam angle divergence	30°		
Exposure timer (1 second increments)	1 sec. to 60 min.		
Film to source distance	12" to 28" (30.5 to 71 cm)	41" (104.1 cm)	14" to 52" (35.6 to 132 cm)
Maximum coverage	15" dia (38 cm)	22" dia (56 cm)	24" dia (61 cm)
External dimensions	40" H x 24" W x 20" D (102 cm x 61 cm x 51 cm)	71" H x 51" W x 35" D (180 cm x 129 cm x 89 cm)	62" H x 31" W x 29" D (157 cm x 79 cm x 74 cm)
Internal dimensions	17" H x 18" W x 16.5" D (43 cm x 46 cm x 42 cm)	30" H x 42" W x 30" D (76 cm x 107 cm x 76 cm)	41.4" H x 24.5" W x 24.3" D (105 cm x 62 cm x 62 cm)
Weight	516 lbs (235 kg)	1806 lbs (821 kg)	1262 lbs (574 kg)
Shipping weight	653 lb (297 kg)	2256 lb (1025.5 kg)	1507 lb (685 kg)

All 43855 models come with a stationary anode glass tube with 0.03" thick beryllium window. Specifications are subject to change without notice. Higher output sources available – contact Faxitron



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All Faxitron systems have shielded cabinets and utilize redundant safety interlocks. No NRC site licensing or reporting is required. They are certified to comply with standards set by the U.S. Food and Drug Administration Center for Devices and Radiological Health, (21 CFR-1020.40). The 43855 Series is classified by Underwriters Laboratories Inc. in the U.S. and Canada with respect to electrical fire, shock, and mechanical hazards. 0002-0049/Rev A