

RADspeed Pro **style edition**

Manual



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High Productivity and Reliability: Hallmarks of Shimadzu X-Ray Systems!



With over a century of experience in manufacturing X-ray apparatus,

Shimadzu's expertise in X-ray systems is well recognized.

For years, Shimadzu's X-ray products have been associated with legendary reliability, cost-effectiveness and quality in the medical industry.

Shimadzu's general radiographic systems are imbued with the Shimadzu heritage.

Additionally, our general radiographic system features state-of-the-art technology that enhances productivity, user-operability, patient comfort and safety.

Superb Performance & Efficiency

MC Type

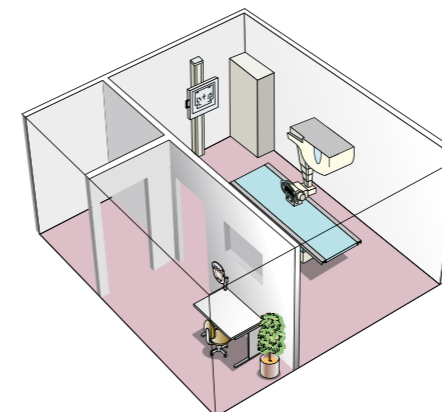
A ceiling-mounted X-ray tube system with a wide range of movement allows excellent imaging, technique flexibility and easy access to the patient.

This enhanced flexibility is ideal for imaging centers that demand high productivity to meet fast patient throughput.



Space Saving Concept

The compact, space-saving high voltage generator provides more working space as well as a flexible layout. A ceiling-mounted X-ray tube further increases the spatial area around the patient on a Bucky table or trolley.



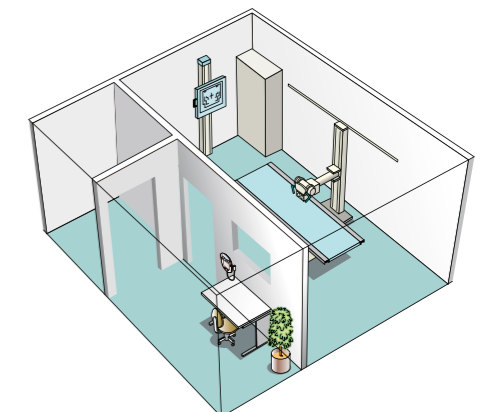
MF Type

The system is for compact floor-mounted tube support installations.

Designed to exacting specifications, the system delivers high-performance, high-quality, and cost-effective operation in a superior general radiographic system.

Space Saving Concept

The compact, space-saving high-frequency generator and tube support provide greater working space and flexible layout.



More Possibility to Make Your System Operation Even Easier

Patient Care Concept

Illumination Functions OPTION

This advanced feature allows the X-ray generator to provide solutions to the following problems, allowing the operator to concentrate on patient care:

- Infant and frail elderly patients who need constant attention
- Split-second timing is required for patients who have difficulty holding their breath.
- Quick positioning and image capture when required



The hand switch also lights up to indicate status.

Illumination Color and Alarm Sound When Preparation for Exposure Is Complete



Using Bucky stand



Using Bucky table

Generator Equipped with High-Frequency Inverter Technology

The RADspeed Pro general radiographic system is equipped with an advanced-level generator designed using state-of-the-art high-frequency inverter technology, which produces sharp and high-contrast X-ray images. User-friendly sequential multi-directional radiography functions allow the operator to register and then utilize up to 7 sequential preset memory parameters.

50 kHz High-Frequency Generator

Up to **7** Sequential Multi-Directional Radiography Exposure Presets

New energy saving collimator with a bright irradiation field

LEDs have been adopted as the light source to indicate the irradiation field. This reduces power consumption while improving brightness levels and durability.



Orderly Cable Management OPTION

Shimadzu provides a tractable cable management system along the ceiling rails that supports smooth positioning.



Free Rotation around the Support Axis

Rotation around the vertical axis is enabled, by activating the rotation-switch, which is located on the control panel. The lock can be set in any position, allowing precise, accurate positioning.



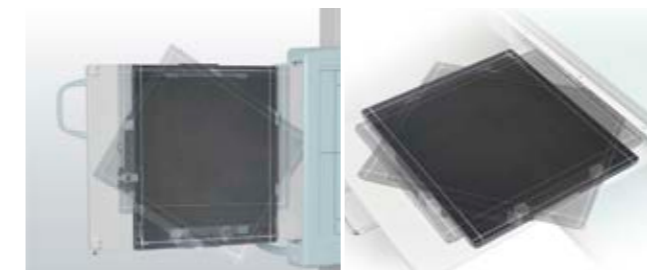
Heavy Duty Height-Adjustable Bucky Table with 4-Way Floating Tabletop

The Bucky table BK-120MK can easily lift up to 200 kg. Patient positioning is made easier with the extremely smooth-moving tabletop. The unit's minimum height of 535 mm makes it easy for old and young patients alike to get on and off the examination table. The BK-120MK includes a Bucky unit with a cassette tray and grid.



FPD Rotation Tray OPTION

The FPD tray can be rotated 90 degree to change the orientation of FPD.



Synchronized Vertical Movements of X-Ray Tube Unit and Bucky Unit OPTION

The focal point of the X-ray tube unit moves up and down in conjunction with the vertical positioning of the X-ray Bucky stand and X-ray Bucky table. This allows the operator to attend the patient in a standing position while positioning the equipment.

For a table study, the X-ray tube automatically moves to a preset SID, enabling accurate and fast positioning.



Automatic synchronization



Automatically follows changes in table height (BK-120MK only)

Wide Range of Choices to Meet Your Needs

X-Ray Tube Support

CH-200M

Ceiling-mounted tube support

Longitudinal travel: 2950 up to 4450 mm (selectable)
 Lateral travel: 1400 up to 2700 mm (selectable)
 Vertical travel: 1600 mm
 Tube angulation around the horizontal axis: +120° to -180°
 Vertical rotation: ±180°
 Vertical tracking unit (option)
 Orderly cable management (option)



FH Series

FH-20HR: Floor-mounted tube support
 (2 rails: both on floor)

FH-21HR: Floor/Wall or Floor/
 Ceiling-mounted tube support
 (2 rails: one on floor, other on ceiling or wall)

Longitudinal travel: 2500 mm
 Lateral travel (telescopic arm): 250 mm
 Vertical travel: 1550 mm
 Tube angulation around the horizontal axis: ±180°continuous
 Column rotation for lateral tabletop radiography: ±90°



FH-20HR

FH-21HR

Bucky Tables

BK-200

Heavy duty Bucky table

Height range: 535 mm to 850 mm (Vertical movement is not synchronized with CH-200M)
 Max. lifting weight: 295 kg
 Tabletop floating range: 1150 mm (long.), 250 mm (transverse)
 Bucky unit movement range: 400 mm
 Grid is removable
 FPD rotation tray (option)



BK-120MK

Height-adjustable Bucky table

Height range: 535 mm to 850 mm
 Max. lifting weight: 200 kg
 Tabletop floating range: 1100 mm (long.), 250 mm (transverse)
 Bucky unit movement range: 380 mm
 FPD rotation tray (option)



BK-12HK

Bucky table

Max. allowable load : 200kg
 Tabletop floating range: 1100 mm (long.), 250 mm (transverse)
 Tabletop height: 700 mm
 Bucky unit movement range: 380 mm
 Grid is removable
 FPD rotation tray (option)



Bucky Stand

BR-120M

A Bucky unit height of just 552 mm and a convenient lower cutout make this unit both compact and convenient for patients.

Vertical travel range: 1500 mm
 Grid is removable
 FPD rotation tray (option)



Collimator

R-20J

Manual Collimator

Max. 430 mm x 430 mm irradiation field at 100 cm SID
 Light switch with automatic off function
 Accessory rails
 LED lamp



X-Ray High Voltage Generators



High Grade Type

Large capacity and high-frequency inverter
 Exposure timing indicated by light and sound
 All APR units include a sharp, easy-to-read color LCD touch panel.
 Quick setup with jog dials and Up/Down buttons

Model	UD150B-40	UD150V-40	UD150L-40
Max. output power (kW)	80	65	50
Tube voltage range (kV)	40 to 150	40 to 150	40 to 150
Tube current (mA@100 kV)	800	650	500
(mA@80 kV)	1000	800	630
Exposure time (sec)	0.001 to 10		
Anatomical programs (APR)	800 (adjustable layout)		
Panel operation	Color LCD + Touch panel		



Standard Type

High-frequency inverter
 Exposure timing indicated by light and sound (option)
 A large-character readout LED and hybrid keys allow easy, one-touch setting of APR exposure parameters.

Model	UD150L-40E	UD150L-40F
Max. output power (kW)	50 (32 kW /single 200 V power supply)	
Tube voltage range (kV)	40 to 150	
Tube current (mA@100 kV)	500 (320)	
(mA@80 kV)	630 (400)	
Exposure time (sec)	0.001 to 10	
Anatomical programs (APR)	245	
Panel operation	Membrane keys	
Number of X-ray tubes connectable	1	2

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Shimadzu Corporation Medical Systems Division has been certified by TÜV Rheinland as a manufacturer of medical systems in compliance with ISO9001:2015 Quality Management Systems and ISO13485:2016 Medical Devices Quality Management Systems.

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- The appearances and specifications are subject to change for reasons of improvement without notice.
- Items and components in the photos may include optional items. Please confirm with your sales representative for details.
- Certain configurations may not be available pending regulatory clearance. Contact your Shimadzu representative for information on specific configurations.
- Before operating this system, you should first thoroughly review the Instruction Manual.