

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.

Experience New Clinical Values with an innovative DR system

The elegance of the new design combines the robustness of product while creating a sophisticated, powerful and practical detector for any hospital environment.



Drop resistance 1m (40 inch) height



IP67 - Dust and Water resistance

Have confidence in reliable operation against water and dust. The series has IP67 rating for splash, water and dust resistance. V-Series can operate safely in water for up to 30 minutes at depths of less than 1 m (40 inches).

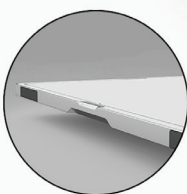


400 kg (880 lbs)

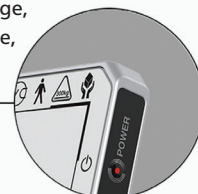


400 kg (880 lbs) under uniform load
200 kg (440 lbs) under the local load

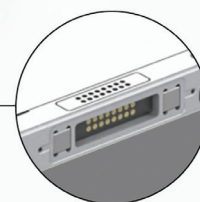
Ergonomic design



LED status display, battery charge,
wired/wireless connection mode,
sleep mode status



Magnetic tether connection and USB-C interface



Light weight 3.3 kg
(7.3 lbs) for 14x17"
with built-in easy to hold grips



Does not require frequent battery
charging during the day, because it
operates up to 16 hours standby
with full charge.

Convenient
charging

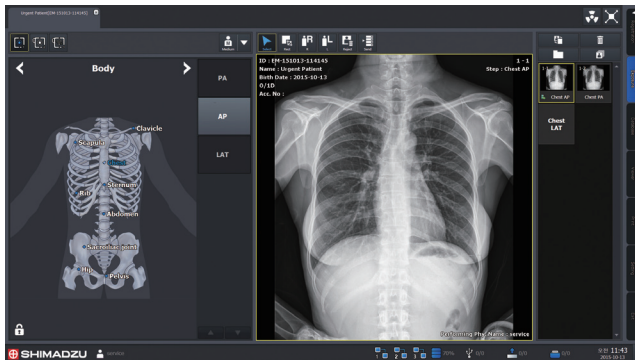
Cradle for safe storing and easy
charging



More Possibility to Make Your System Operation Even Easier

Experience New Clinical Values with an innovative DR system

Designed with the user in mind, the digital control console offers easy navigation and touch screen features to simplify procedures and improve workflow.



Advanced APR Allows 800 Different Radiography Parameter Configurations

Examination Regions

Maximum **10** regions

Radiography Techniques

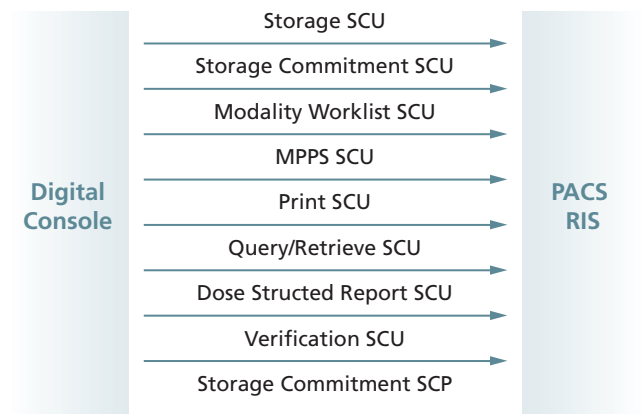
Maximum **20** techniques

Generator Equipped with High-Frequency Inverter Technology

The 'High-frequency Inverter' with maximum frequency of 50kHz is used as the X-ray generation source, which generates low-ripple output with a high X-ray quantum efficiency.

This dramatically reduces X-rays that do not contribute to high-quality imaging.

DICOM Standard Compliance



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.

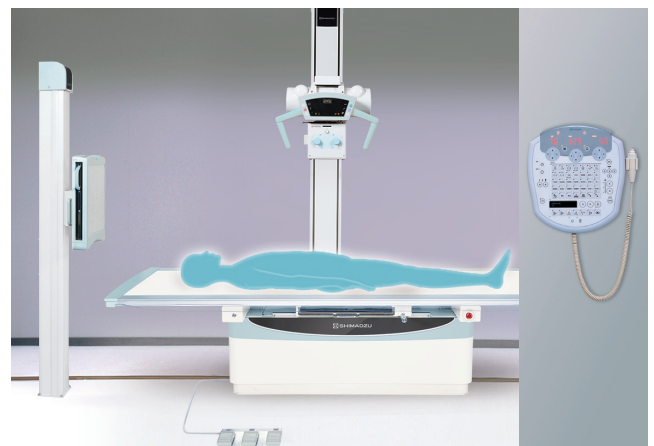
This enhanced flexibility is ideal for imaging centers that demand high productivity to meet fast patient throughput.



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.



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.



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.

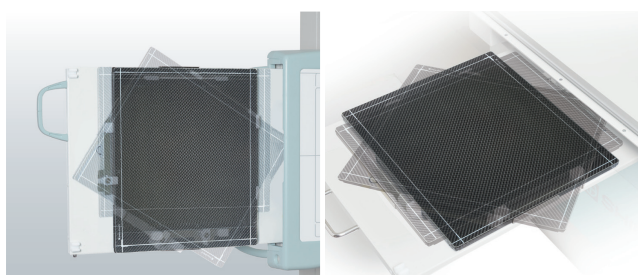


Bucky Stand and Table Grids Are Removable

Removing the grid during radiography allows reducing the exposure dose level in pediatric and orthopedic applications. Radiography is also possible using a phototimer.

FPD Rotation Tray OPTION

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



Orderly Cable Management OPTION

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



Design Concept Pursues Durability

The Bucky table can support 295 kg (650 lbs).

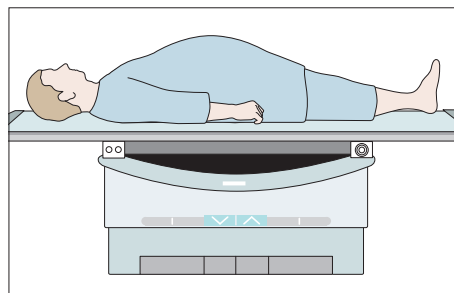
The ceiling-traversing overhead X-ray tube crane coupled with the Bucky device ensures easy operation and features a highly rigid construction and a durable shock-absorption mechanism.

RADspeed Pro is a high-reliability radiography system that offers extreme carefree longevity for the X-ray department.

The Bucky table

295 kg (650 lbs)

Maximum lifting weight



Illumination HandSwitch OPTION

The hand switch also lights up to indicate X-ray status.



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: $+120^{\circ}$ to -180°
Vertical rotation: $\pm 180^{\circ}$
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: $\pm 180^{\circ}$ continuous
Column rotation for lateral tabletop radiography: $\pm 90^{\circ}$



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)

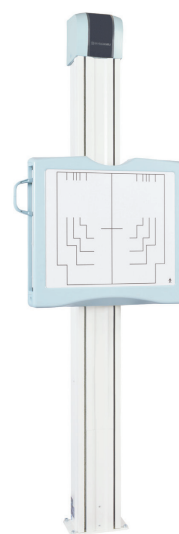


Bucky Stand

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 \times 430 mm irradiation field at 100 cm SID
Light switch with automatic off function
Accessory rails
LED lamp



X-Ray High Voltage Generators



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.

DR (Recommended DR system)



V1417
 14×17 inch
 Versatile use



V1717
 17×17 inch
 Chest stand, Trauma, and Surgery



V1012
 10×12 inch
 Extremities and Orthopedics

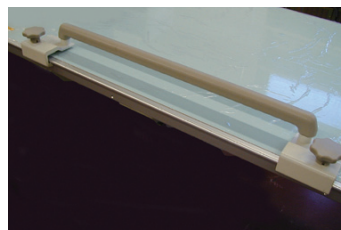
Options



Grip switch



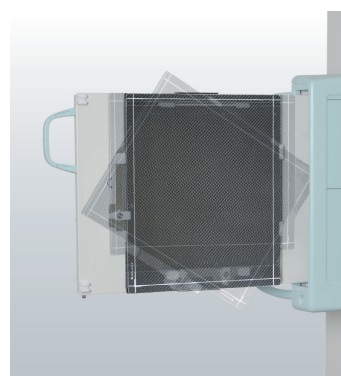
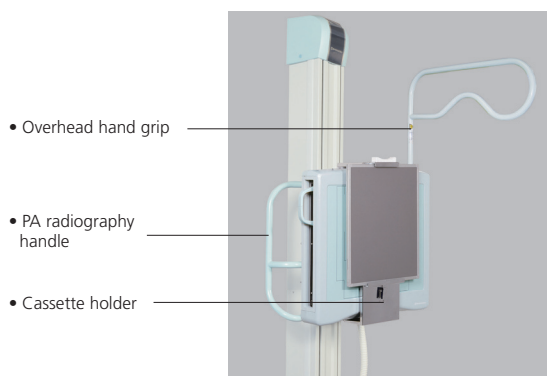
Lateral cassette holder



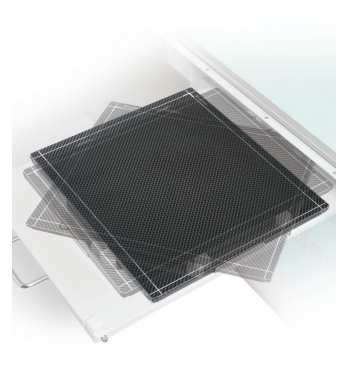
Bucky table handle



Bucky table compression belt



FPD Rotation Tray



Founded in 1875, Shimadzu Corporation, a leader in the development of advanced technologies, has a distinguished history of innovation built on the foundation of contributing to society through science and technology. We maintain a global network of sales, service, technical support and applications centers on six continents, and have established long-term relationships with a host of highly trained distributors located in over 100 countries. For information about Shimadzu, and to contact your local office, please visit our website at www.shimadzu.com



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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.

Remarks:

- Every value in this catalogue is a standard value, and it may vary a little from the actual at each site.
- 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.