

Mobile X-Ray System
MobileArt Evolution
MX8 Version




Always with a Smile!

Generates Smiles
Communicates Caring

Mobile X-Ray System
MobileArt Evolution™

MX8 Version



Responsive and maneuverable Mobility

With an improved collapsible column and power-assist functionality, MobileArt Evolution is much easier to maneuver with confidence and has more driving power. These features allow convenient positioning in confined spaces and provide exceptional operability in a variety of examinations. Radiographers can rely on MobileArt Evolution's fast and precise operations for a more satisfactory experience

DR "NEUTRAL" 2.0
Flexible DR solutions to meet your needs.



*) The TM and ® symbols are omitted in this document.

The Collapsible Column and Power-Assist Drive



- Excellent Visibility and Light Maneuverability Generate Smiles -

GLIDE VIEW

Intuitive Maneuverability

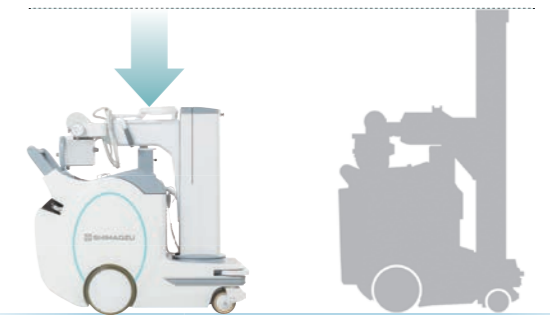
Optimized power assist system delivers natural light touch driving whether moving forward, stopping quickly or changing directions. The system maneuvers easily and naturally to support comfortable operation.

[Click here to access web site!](#)



Great forward Visibility offering Peace of mind

The collapsible column has been developed to enhance forward visibility during travel, making it ideal for daily hospital rounds.



SHIMADZU's former Mobile X-ray system

Configure Settings Easily Even in Tight Spaces

The compact body is only 56 cm wide, making it easier to maneuver even with limited space. With the collapsible column, collision with tall medical accessories such as IV drip stand and other devices can be prevented.



Freely Adjustable over a Wide Positioning Range



- Supports Examinations with more Communication -

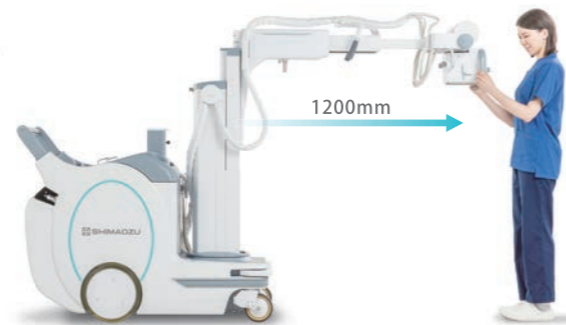
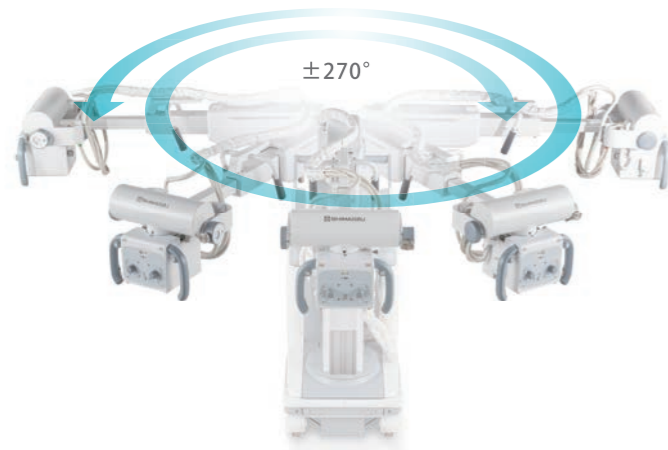
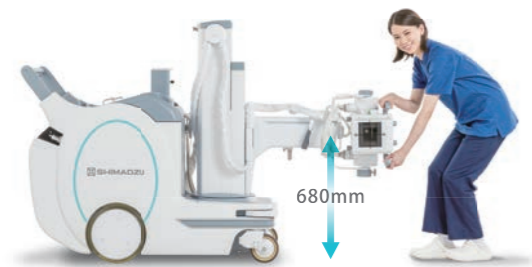


Easy Positioning

SHIMADZU's unique spring-balance mechanism enables smooth operations for fine and precise positioning, especially for multi-directional radiography.

Wide Exposure Range

The system is especially useful for imaging in ICU's, where there are numerous devices around the patient. With the low profile X-Ray tube and the 1200 mm extension telescopic arm, the MX8 easily positions for patient imaging.



Easy Positioning from anywhere

Pressing the "All-Free" button releases the electromagnetic locks for the telescopic arm and column at the same time, thus enabling simple one-step positioning. Multiple "All-Free" buttons are located around the system, so the technologist can access the system from any direction.



Inch-Mover for Bedside Positioning

The main unit can be moved forward or backward with switches conveniently located on the collimator. The technologist can adjust positioning more precisely without moving around the patient bed.



Field of view Collimation by dual side controls

The collimator knobs and lamp button are located on both the front and the back side, allowing the technologist to easily confirm and change the irradiation field.

Shock-resistant body design

The body cover has been strengthened to prevent damage should the unit hit an object when moving around the wards. The unique soft-touch bumper automatically stops the unit when even the slightest pressure is detected.

A variety of storage space



- Fits the needs of your facility -

Multipurpose tray

The system provides a flat space for user's digital item such as laptop computer. This can also be utilized for a variety of purposes.



Loss Prevention

A wire lock can be attached to the laptop computer to prevent loss of essential patients' data.



*) Laptop computer and/or wire lock are not included in the system.

Laptop Computer Secured with a Band

Laptop computer can be fastened to the Multipurpose tray with a band during travel. **)



**) The band belongs to the FPD storage case. It does not protect the laptop computer from vibration or impacts.

Helping you set the sterilization cover

Grooves have been added for holding the FPD vertically while putting a sterile cover on the unit.



***) FPD is not included in the system.

Selectable FPD/Cassette storage case

Compact but with enough storage space, the FPD storage case can accommodate 17x17 inch FPDs and grid, and a CR cassette storage type is also available upon your choice.

FPD storage case



Cassette storage case



Anti-theft FPD lock function *)

FPD storage bin is equipped with a detector lock function that can heighten the security level against FPD theft.



Unlock

Lock

Designed for Everyday use

The mobile's backside stores FPD's as well as accessories like pens and markers. The front bins can provide spaces for wipes **) and other accessories.



*) Only when FPD Storage case is selected.
**) Wipes are not included in the system.

Keyless Entry OPTION

Instead of a key, each user can have their own password enabling accessibility to preferences and preset X-ray parameters. This further enhances security and workflow.



Convenient Battery Charging process

The charging cable can be easily taken from just under the handle bar on the back side of unit.



Enhancing Your Workflow and Dose Management



- To be Kind to Everyone -

Wireless solution for Exposure Switch *) OPTION

A wireless hand switch or IR remote controller allows you to perform exposures remotely for even more ease-of-use.



Wireless hand switch

IR remote controller

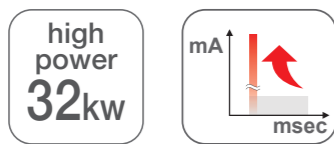
Additional hand switch OPTION

To improve patient care, an extra illuminated hand switch can be installed on the front of the unit (column side).



High power 32 kW output

Images tend to become blurred due to body movements during radiography, especially with children or emergency patients who find it difficult to maintain a fixed posture. The MobileArt Evolution lineup features a high-power type that reduces exposure times. The 32 kW maximum power output delivers excellent image quality and short exposure times. This ensures sharp images with minimal blurring, even if the patient moves.



**) Maximum output of the standard type is 12.5 kW.

APR buttons for one-touch setup of radiography conditions

Simply select one of the 144 preset anatomical programs (APR) to configure the optimal radiography conditions for the corresponding radiography region, direction, and body thickness. The focal spot size can also be preset in the high-power type. The collimator efficiently eliminates X-rays outside of the focal spot, creating sharper images.



Dose Management

For Dose monitoring, the Dose Area Product can be calculated and displayed on the console after exposure based on the exposure parameters. This is a SHIMADZU unique feature and requires no hardware to install.

Optional physical DAP meter is also available.

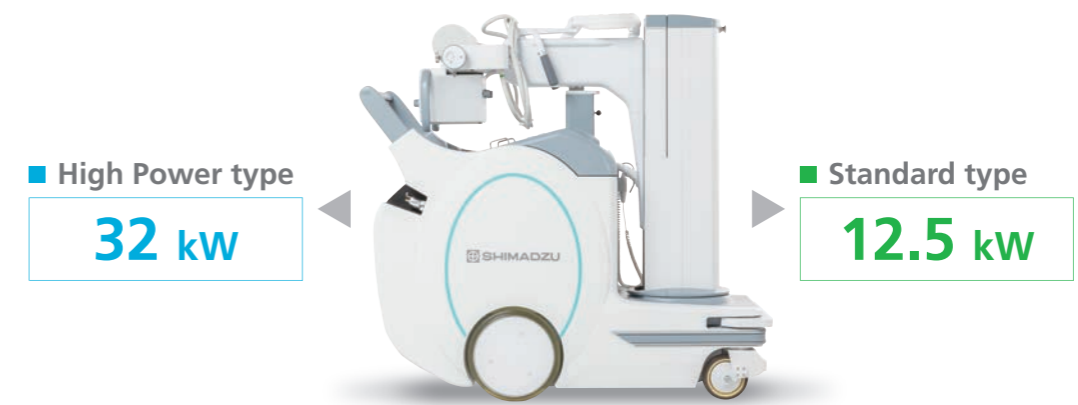


Displays Dose Area Product



DAP meter OPTION

System Configuration



FPD Storage case



Cassette Storage case



OR

		■ High Power type	■ Standard type
Generator Power		32 kW	12.5kW
X-ray tube	Focus	0.7 / 1.3 mm	0.7 mm
	Max. anode heat content	210 kJ (300 kHU)	100 kJ (140 kHU)
	Nominal X-ray tube voltage	133 kV	125 kV
FPD / Cassette storage case		Selectable	

Options

■ Grip bar height adjuster

You can easily adjust the handle height at anytime.



■ Wireless hand switch *)

■ Additional hand switch

■ DAP mounting kit

■ IR remote controller ***)

■ Keyless Entry

■ Illumination hand switch

■ Folding radiation shield ***)

*) Availability of the option depends on the regional radio wave regulation. Please contact Shimadzu representative in the region regarding the availability.
 ***) These options cannot be combined at the same time.

Label Description: Mobile X-ray System MobileArt Evolution

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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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- 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.