

Press Release

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MobileDaRt Evolution MX8 Digital Mobile X-Ray System Superior drivability and functionality

**Shimadzu's first telescoping support column for even more convenient drivability /
Improved hospital round efficiency /
Most-modern smart innovative concept enables flexible system configuration**

Shimadzu, a world-wide leading manufacturer of diagnostic imaging equipment, has released the new MobileDaRt Evolution MX8 version digital mobile X-ray system. It features Shimadzu's first telescoping support column for even more convenient drivability and improved forward visibility, a large completely flat monitor screen, a lockable Flat Panel Detector (FPD) housing compartment, an extensive selection of options and improved operability.

Digital mobile X-ray systems are used for hospital rounds or to examine patients in emergency rooms, neonatal intensive care units or other highly urgent medical applications. Shimadzu MobileDaRt series digital mobile X-ray systems are currently used in over 60 countries around the world, with more than 3,400 units sold to date.

In September 2017, Shimadzu has been awarded the 'Global General Radiography Product Line Strategy Leadership Award 2017'. The award is presented to the company that introduced products and services demonstrating the highest leadership in the global market for diagnostic X-ray imaging systems in the previous year and employing the best strategies for success. A part of the company's portfolio contributing to this award has been covered by its digital radiography (DR) solutions.

Multifaceted support

The newly redesigned MobileDaRt Evolution MX8 version has been developed to provide users with multifaceted support based on Shimadzu's extensive technology and track record cultivated thus far. The most important features are:

1. **Collapsible Column ensures enhanced forward visibility and enables even more convenient drivability**

The new design features an X-ray tube support column that can be extended or retracted and a more compact system width. The previous model was 1930 mm tall during travel, but the new design is only 1270 mm tall and 560 mm wide, becoming 20 mm narrower. The shorter profile provided by the collapsible column dramatically improves forward visibility during travel and the more compact size makes it easier to use the system in narrow spaces such as bedside. Although drivability was already a strength of Shimadzu mobile units, the new MX8 version is designed to be even easier to drive.

2. **Various functionalities and options help to improve hospital round efficiency**

The MX8 features a new completely flat 19-inch monitor that improves operability. The maximum X-ray focal point height is also increased by 15 mm, making it easier to examine patients on higher beds. Security features are also considered, such as the addition of a new locking function for the FPD housing compartment. New optional features such as a wireless hand switch for X-ray exposure operations and a height-adjustable grip bar help to improve the efficiency of hospital rounds.

3. **Selectable FPD series enables flexible system configuration**

The DR concept promoted by Shimadzu enables hospitals to choose Shimadzu digital radiography (DR) systems that are matched to the existing DR systems within the hospital. It also supports the variety of FPD types already in use, so that mobile X-ray systems can be used in an environment that is highly compatible with existing operations.

Web summary

Shimadzu has released a new MobileDaRt Evolution MX8 version digital mobile X-ray system. It has been developed to provide users with multifaceted support and features Shimadzu's first telescoping support column for even more convenient drivability and improved forward visibility. The new completely flat 19-inch monitor improves operability, and together with other optional features helps to improve the efficiency of hospital rounds. Shimadzu's DR concept offers a combination of digital radiography (DR) matched to the operations performed within the hospital and to Shimadzu radiography systems.



Figure 1: The new MobileDaRt Evolution MX8 digital radiography solution provides superior drivability and functionality. It is used for hospital rounds and to examine patients in emergency rooms, neonatal intensive care units or other highly urgent medical applications.



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