

Press Release

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MobileDaRt Evolution EFX Excellence redefined

**Extended range of applications /
New features improve safety, processing speed, and save energy /
“Category Leader” in customer satisfaction survey /**

Shimadzu, world-wide manufacturer of diagnostic imaging equipment, has released the MobileDaRt Evolution, EFX version. This digital mobile X-ray system can be moved to any location where radio-graphy is required, enabling on-site examinations and image verification. In the year of Shimadzu’s 140th anniversary, the new system continues the company’s tradition in diagnostic imaging providing innovative technologies and industry firsts. These developments range from the first X-ray system as early as one year after Konrad Roentgen’s invention in 1896 to most advanced angiography systems revolutionizing the imaging process, its quality, reliability and workflow.

Extended range of applications

Capitalizing on the merits of efficiency and high throughput, this digital mobile X-ray system, which is equipped with a wireless flat panel detector (FPD), broadens its applications from clinical rounds in hospitals to critical care and applications at disaster sites, as well as operating rooms and neonatal intensive care units (NICU).

“Category Leader” in customer satisfaction survey

The Shimadzu MobileDaRt Evolution digital mobile X-ray system has been favorably received thanks to its excellent maneuverability, reliability, performance and ease of positioning. To date, more than 2300 units have been installed. In a customer satisfaction survey by KLAS Research, a U.S. based Research Firm, this system was named "Category Leader" in the field of digital mobile X-ray systems, for three out of the last four years (with the first award presented in 2011). This is truly an internationally top rated product.

Responding meticulously to the needs of the clinical environment, Shimadzu has continued to refine the MobileDaRt Evolution, providing excellent travel performance, operability, and high image quality, to the development of this new system, which further increases reliability and efficiency.

This system, which not only improves the workflow of the X-ray technologist but also reduces the burden on patients, will further support quick and accurate diagnosis and treatment at medical sites.

New features improve safety, processing speed, and save energy

- **New Vibration Resistant DR Unit**

Instead of a traditional hard disk drive, a high speed vibration resistant solid-state drive (SSD) has been adopted, thereby reducing the risk of data loss. In addition, the conventional system startup time has been substantially reduced to approximately 1 minute, allowing rapid radiography to be performed in an emergency.

- **New Energy Saving Collimator with a Bright Irradiation Field**

LEDs have been adopted as the light source to indicate the irradiation field, increasing the brightness and contributing to improved operability for the technologist. This reduces power consumption to approximately one half of conventional levels while ensuring a long operating life, reducing periodic

maintenance requirements.

- **LCD Monitor with a Wide Viewing Angle**

The high quality images can be viewed from a wide range of positions around the unit, not only from the front.

- **Equipped with a New FPD**

The addition of a new FPD increases the speed of internal processing, shortening the preview image display time to 2 seconds, contributing to improved procedural efficiency. The 17 x 17 inch FPD (CXDI-401 Wireless) design provides an IPX4 level of splash protection, so the unit is resistant to liquid penetration, making it ideal for operating rooms and emergency rooms.



Figure 1: The new MobileDaRt Evolution EFX extends the range of applications from clinical rounds in hospitals to critical care and applications at disaster sites, as well as operating rooms and neonatal intensive care units (NICU).

For more information about the product please visit:

<http://www.shimadzu-medical.eu/mobiledart-evolution-efx>



140th anniversary of Shimadzu Corporation

For more information please visit

<http://www.shimadzu.com/about/topics/140th.html>

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