

A Portal to Digital Radiography

In recent years, technology has switched from analog to digital. "Digitization" has brought various advantages and conveniences to many areas of radiographic imaging. This paradigm shift is also taking place in the healthcare sector, as evidenced by the numerous digital X-ray imaging technologies introduced into the market.



Although customers clearly see the potential of flat detector technology and its benefits over conventional X-ray systems that use film or imaging plates, the seemingly high investment costs can discourage immediate conversion to digital radiography. MULTIX Swing with mFD* from Siemens Healthcare now offers a digital radiography solution, developed especially for institutions with budgetary constraints and moderate patient volume.

Mobile flat detector technology - combining flexibility with operational efficiency

MULTIX Swing with mFD covers the full spectrum of radiographic applications for chest, general or trauma imaging. The mobile flat detector (mFD) extends the flexibility of the system to accommodate different patient conditions. It can be removed completely to be positioned next to patients on stretchers or wheelchairs, which ensures minimal discomfort for patients during difficult radiographic examinations. Additionally, in the examinations, many manual work steps like identification

A single detector system designed to cover the full spectrum of radiographic applications

Chest Imaging



Screening chest in an upright position.



Sitting chest for wheelchair patients.

General Imaging



Supine exams with mFD in Bucky, e.g., spine.

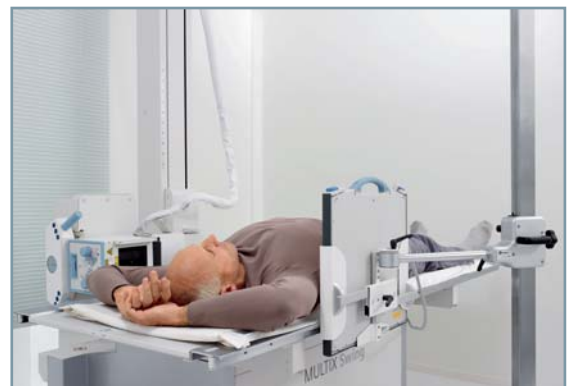


Extremity work with mFD out of Bucky, e.g., sunrise patella.

Trauma Imaging



Trolley positioning capabilities with mFD for immobile patients.



Flexible tube and mFD positioning for cross-table exposures.

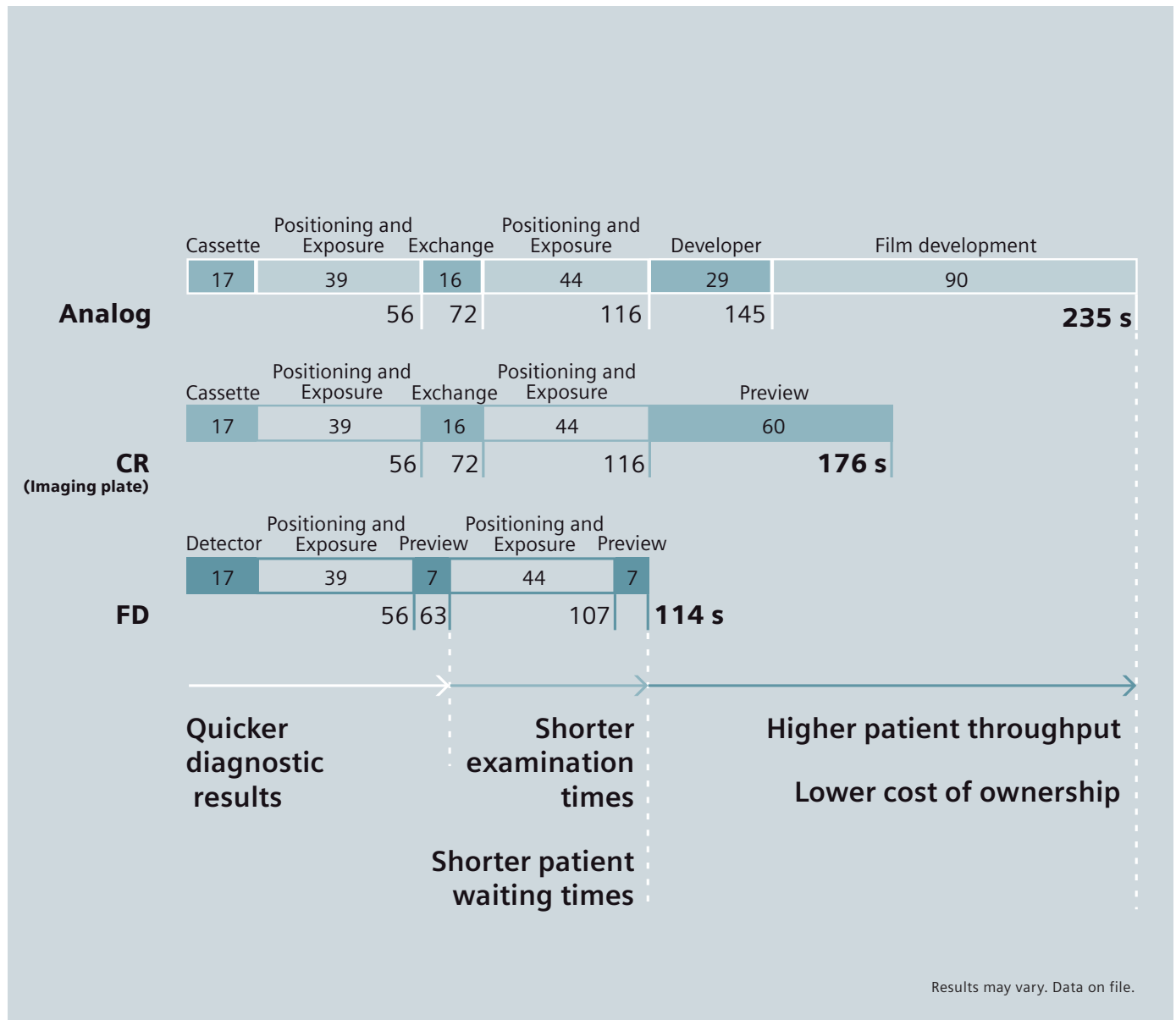


and processing of cassettes are eliminated, making the workflow with the mFD faster and more convenient for the user. Examination times are reduced due to availability of preview images within seconds, thus allowing for fast patient management. Thanks to the wide dynamic range of the flat detector, under- or overexposed images

can be compensated while advanced image post-processing allows for greater contrast detail and good soft tissue visibility. These workflow improvements translate into more convenience for the users and a decidedly more positive imaging service experienced by patients.

Single detector system - Affordability with high reliability

Using flat detector technology, MULTIX Swing with mFD yields considerable advantages in operational costs. The table shows a comparison between conventional film-screen cassettes, CR cassettes and flat detector technology.



Examination times with FD systems can be reduced by up to 50% compared to analog systems. These shorter examination times and shorter patient waiting times allow for an overall increase in patient throughput, leading to lower cost of ownership. When a film-screen system is used, costs for X-ray films and processing chemicals can total up to a

considerable amount over the years. However, these costs are never incurred using MULTIX Swing with mFD. Especially for those facilities that want to own digital flat detector radiography systems and still expect affordability, MULTIX Swing with mFD makes for a confident investment with its high quality, robust design and flexibility

to accommodate a broad range of examinations.

* MULTIX Swing with mFD is not commercially available in the U.S.

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