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AMULET
FUJIFILM DIGITAL MAMMOGRAPHY SYSTEM

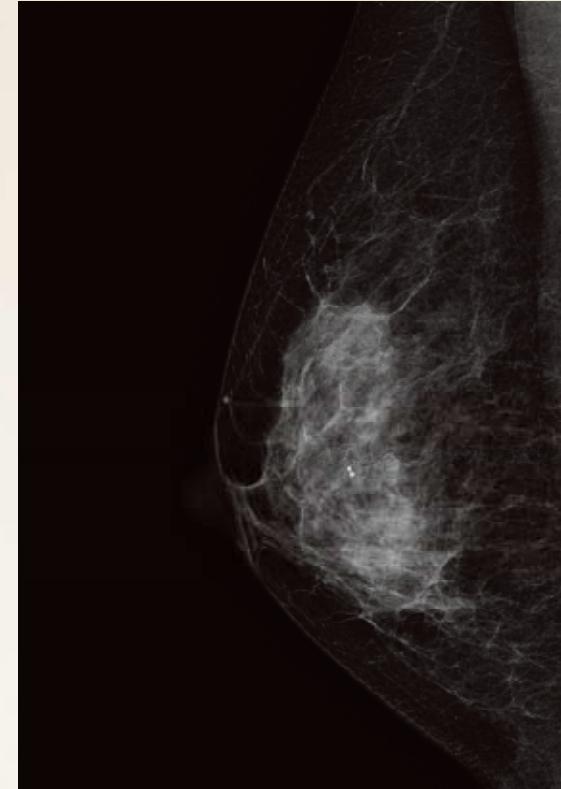
FUJIFILM Corporation

<http://www.fujifilm.com/products/medical/index.html>

FUJIFILM Digital Mammography System AMULET(Model: FDR MS-1000)  0123

Manufacturer: FUJIFILM Corporation, 26-30, NISHIAZABU 2-CHOME, MINATO-KU, TOKYO 106-8620, JAPAN
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"AMULET", FUJIFILM's latest digital mammography offering employs a newly developed direct-conversion flat panel detector (FPD) with the world's smallest* pixel size, 50 μ m. This enhances visualization of the breast and offers greater detail of abnormal areas such as microcalcifications and tumors, thus helping more accurate diagnosis.

*As of December, 2008 among direct-conversion FPDs

Designed with comfort and efficiency in mind.

AMULET

FUJIFILM DIGITAL MAMMOGRAPHY SYSTEM

"AMULET" derives from the Latin, *amuletum* and means "an object that protects a person from troubles, and brings good luck and fortune". FUJIFILM supports a healthy fulfilling life for all women.

FUJIFILM strives for the best possible image and system quality in order to provide the optimum clinical environment for mammography applications.

FUJIFILM DIGITAL MAMMOGRAPHY SYSTEM AMULET



Greatly enhanced breast imaging capability

- The world's smallest* pixel size ($50 \mu\text{m}$) among direct-conversion flat panel detectors. *As of December, 2008
- FUJIFILM's innovative technology: Direct Optical Switching features a dual layer of amorphous selenium (a-Se)
- FUJIFILM's new patented flat panel detector offers superior DQE, achieving both higher image quality and lower radiation dose.

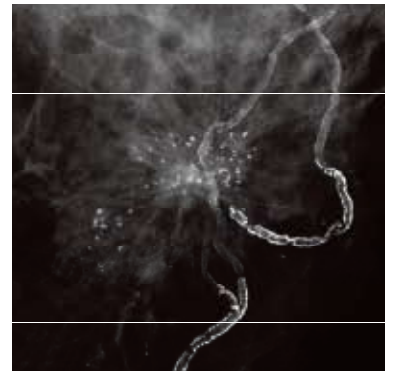
Optimized workflow and quick, comfortable examination

- Shorter intervals between exposures as a result of faster erasure of residual electric charge.
- The ergonomic design of the system reduces discomfort for women.
- Specially designed Acquisition WorkStation (AWS) integrated with the X-ray exposure control



For all women,
FUJIFILM offers high quality image with advanced and refined imaging techniques.

Highly precise image depicting details of microcalcifications



FUJIFILM utilizes revolutionary selenium production techniques to manufacture its new flat panel detector



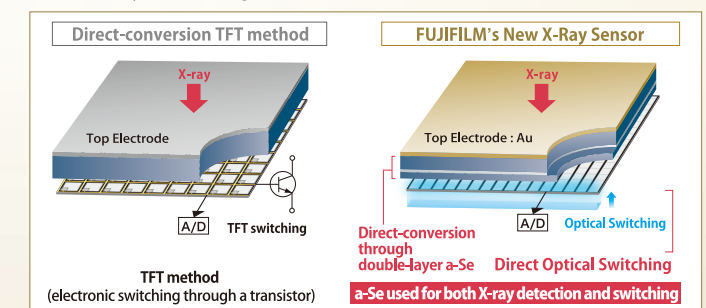
FUJIFILM innovative Direct Optical Switching technology

The state-of-the-art direct-conversion flat panel detector is comprised of a dual layer of a-Se, and employs the Direct Optical Switching technology instead of thin film transistors (TFTs) to directly read the image signal more efficiently with less noise. Therefore Direct Optical Switching achieves higher DQE even with a pixel size of 50 μm .

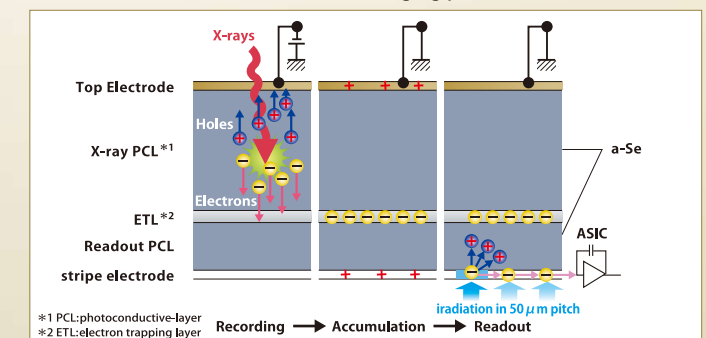
FUJIFILM exclusive amorphous selenium flat panel detector

Through vast experience in device development and vacuum deposition technology FUJIFILM developed the flat panel detector using highly purified a-Se. In addition, clinical efficiency is enhanced by employing FUJIFILM's new and proprietary Direct Optical Switching technology.

New X-ray sensor diagram



Cross-section of the sensor, and its imaging process





For all women,
FUJIFILM offers comfort and
peace of mind during examination.

Designed for a comfortable examination environment
for women



Soft, gentle design ensures comfort during the exam.

Armrests offer full and well-balanced support

The handles allow optimum stability for CC view and secure support of the body for MLO view.

Two types of pad provide gentle support

- **Chest wall pad**
Reduces the pressure of contact with bucky on the chest wall thus improving positional stability
- **Axilla pad**
Gently supports axilla to reduce discomfort during MLO view

Streamlined workflow ... Clinical efficiencies

- **3 exposure modes: full-auto, semi-auto and manual**
When set in full-auto mode, X-ray exposure condition is automatically optimized based on the thickness of breast.
- **AEC auto-select function**
- **automatic decompression after exposure**
- **automatic optimization of compression force**
- **Dual target (Mo, W)**

For all women,
FUJIFILM provides both ease of use and
optimized workflow.

FUJIFILM exclusive Acquisition WorkStation (AWS)



Optimized workflow

- Integrated X-ray controller allows setting and confirmation of imaging conditions on a single screen.
- Portrait-style monitor enhances both image viewing and operability.
- Examination screen can be split and switched between 1, 2, or 4 images on a single screen.
- Automatic & manual left/right image positioning
- Density and contrast can be adjusted while viewing left/right images.
- Supports DICOM Version 3.

Higher image quality is achieved using FUJIFILM's proven FCR imaging technology



AMULET employs the mammography image processing technology from the proven FCR systems. It provides high quality images that enhance visualization of breast tissue and allow for better differentiation between normal and abnormal areas, improving diagnosis.



FUJIFILM AMULET works with FUJIFILM mammography QC program(optional)

(Note: Please follow the regulations/guidelines set by your country.)

With innovation and great potential,
FUJIFILM steps toward total solutions in digital mammography.

FUJIFILM AMULET comes with a FPD that is selectable from two different sizes, either 18x24cm or 24x30cm.

Measurements/Weight/Power Requirements

Mammography imaging stand: approx. 1000mm(W)x1200mm(D)x1980mm(H)/380kg(Control module: approx. 300mm(W)x550mm(D)x750mm(H)/45kg)/AC208, 230, 240V

AWS (including PC, console and protective plate*): approx. 700mm(W)x420mm(D)x1900mm(H)/90kg/AC90~135V/AC180~265V*Optional

LCD monitor: approx. 475mm(W)x210mm(D)x470mm(H)/10kg/AC100~120V/AC200~240V

* External appearance and specifications are subject to change.