

Full Field Digital Mammography

FUJIFILM | MEDICAL SYSTEMS U.S.A.

The logo for Aspire CRM features a stylized 'A' composed of two overlapping curved lines, one light blue and one grey. To the right of the 'A', the word 'Aspire' is written in a grey sans-serif font, and 'CRM' is written in a larger, bold, grey sans-serif font.

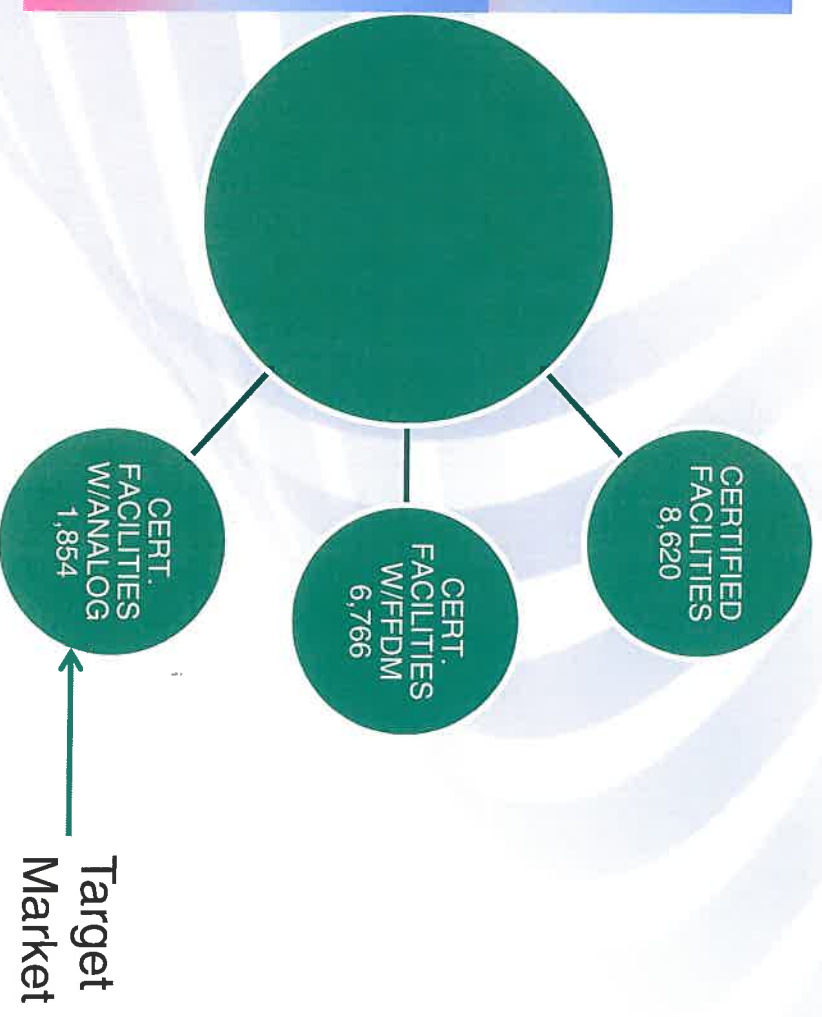
Aspire CRM

Building upon
our legacy and
experience

Fujifilm FCRm – First CR for Mammography to Market! Introduced in 2006

- Converts existing analog mammography system to digital capability
- Lower Cost than Flat Panel Detector
- 2 sizes Imaging Plates for all patients
- No additional Construction cost to replace gantry
- Minimal down-time for installation
- Un-surpassed Image Quality @ 50 micron
- Increased Through-put
- Improved patient's comfort—shorter exam time





Conversion and Replacement* Solutions

Aspire CRm™

- Converts any mammography gantry to digital
- FFDm that can also be used for general x-ray
- Two detector sizes for just right positioning for all patients



ASPIRE CRM

- ✓ *Stand Alone Mammography Centers*
- ✓ *Multi-purpose Reader*
- ✓ *Specialty Markets*

50u Reading Mode -

Provides excellent detail for
Mammography
General Radiography

- Single Side HR-VI IPs
- Single Side HR-V (Radiography)
- IIPm Workstation



The right **Size** and
Speed when
multi-plate reader
is not needed.

Aspire CR_m – moderate volume, in room & redundancy applications with no compromises in image quality



50 micron

61-70 Plates per hour

Image preview starts in 15 seconds

Fully processed image in 23-39 seconds

Cycle time is 51-59 seconds

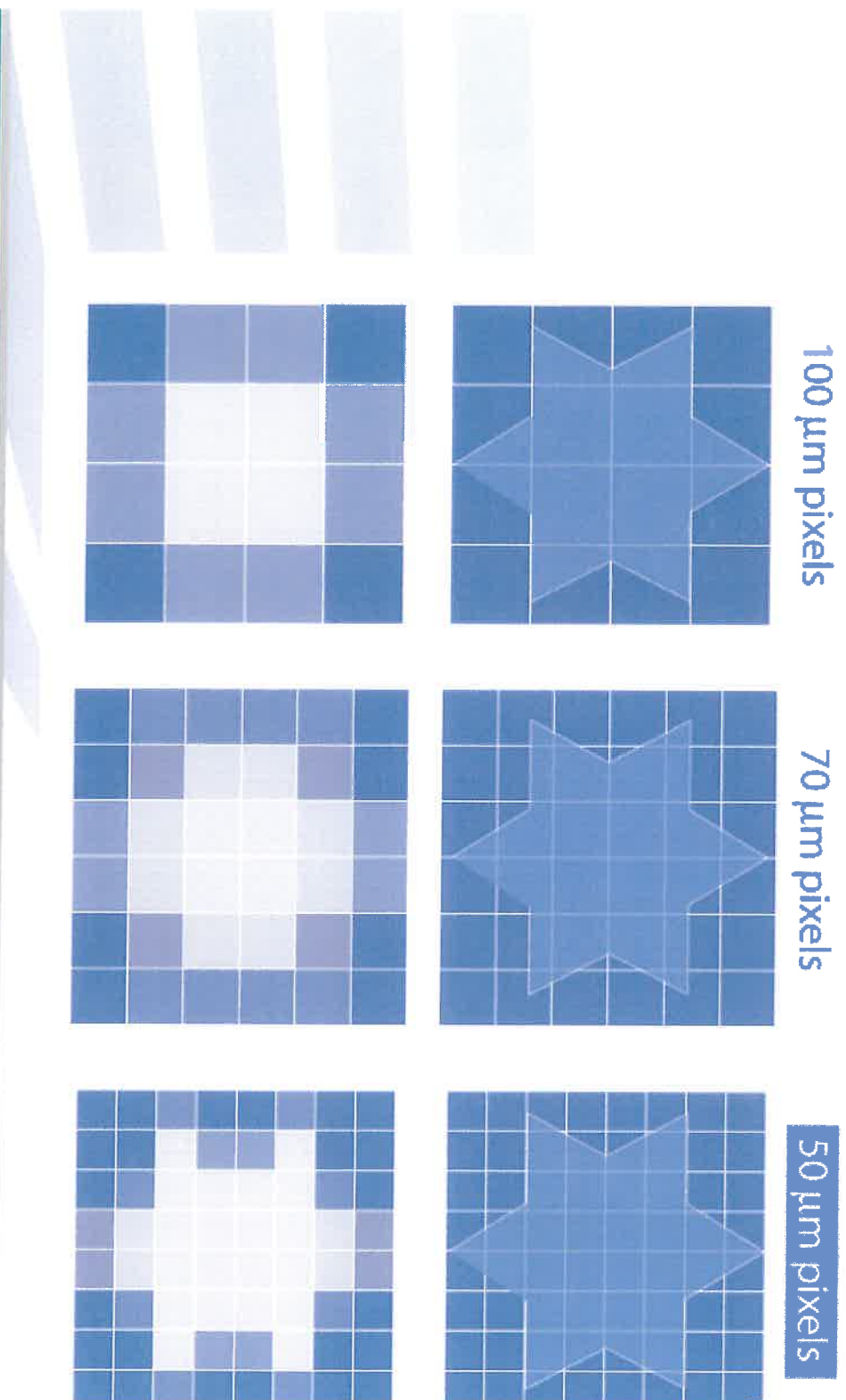
New 50 μ Reading Mode (Mammography) – Provides excellent detail for Extremity exams

Compact Size – Only 2.4 sq.ft. footprint, 32" tall x 13" deep

Workstation Cart – for even more space efficiency

Full Field Digital Mammography

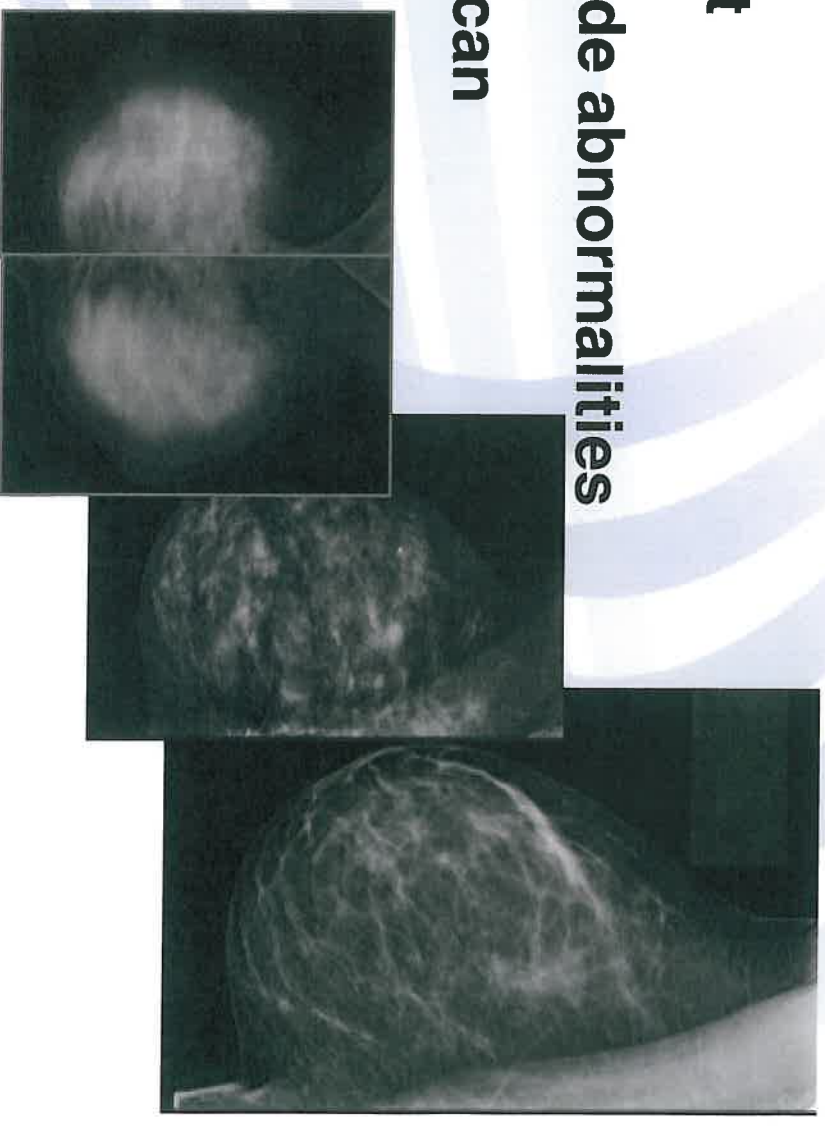
FFDM detector Resolution



What's the Challenge?

The Breast can be difficult to Image...

- Low Image Contrast
- Dense tissue can hide abnormalities
- Overlapping tissue can mimic pathology
- Patient callbacks occur too often



IIP_m Workstation

- Dell GX780
- Barco 2mp Gray Scale Monitor
- Bar Code Scanner
- Mammography and General Rad Menus and Markers

- **DRC (Dynamic Range Control)**

Improves the visibility of both dense and soft tissue by amplifying or reducing image density and contrast

- **MFP (Multi-objective Frequency Processing)** Simultaneously applies edge enhancement processing to each individual breast structure



Image
IntelligenceTM

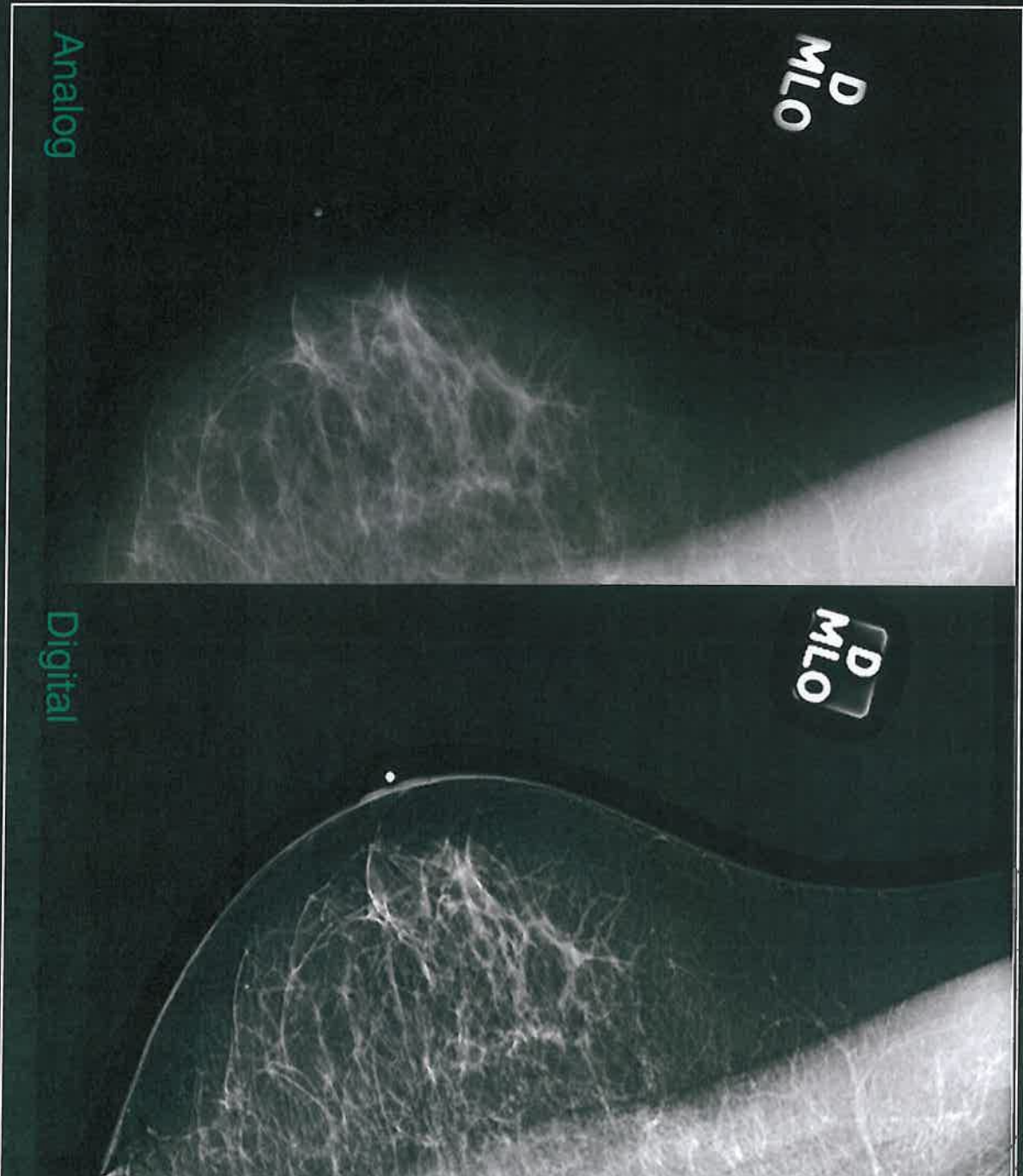
DRC Dynamic Range Control Enhances Skin Edge

D
ML0

D
ML0

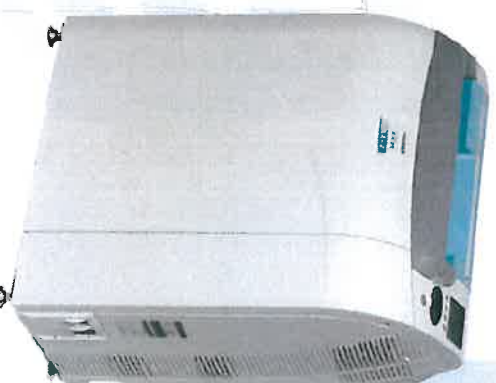
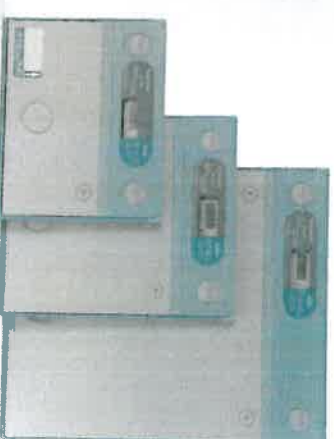
Analog

Digital



Aspire CR_m Package Includes:

- Reader Unit
- IIPm workstation
- 4-18x24 Cassettes and IP's
- 4- 24x30 Cassettes and IP's
- Workstation Cart
- Installation and Warranty Support by FMSU
- 2 Days of Professional Services



IIPm WS

New HR-VI Imaging Plates (IP)

Consistent image quality

- ✓ 9th generation
- ✓ Clinically proven
- ✓ Dedicated for Mammography Use

Maintain or improve dose efficiency.

- ✓ Highest DQE IP in the industry
- ✓ Less noise
- ✓ Less dose increases

Durability to minimize operational costs

- ✓ Flexible IP design enables small footprint & reduces jams
- ✓ Expected lifetime 3-5 years.



Prevent jams that could impede workflow

FCR Minimal Contact Design versus ingesting cassette

- ✓ Proven reliability and unmatched clinical experience
- ✓ Just the right Cassettes for every application
- ✓ Only a small portion is inserted into the reader
- ✓ Avoids accidental insertion of foreign objects (markers)
- ✓ “Easy Release Button” dislodges cassette
- ✓ Independent cassette drivers – built-in redundancy

Durability to minimize operational costs

- ✓ Reduces dust artifacts and wear on optics
- ✓ Less mechanical parts that require service repair
- ✓ Cassettes and IPs are sold separately



UNLIKE TRADITIONAL FCR, CONSIDERATION MUST BE GIVEN TO MQSA
REGULATORY ASPECT FOR FFDm

SUCCESSFUL INSTALLATION:

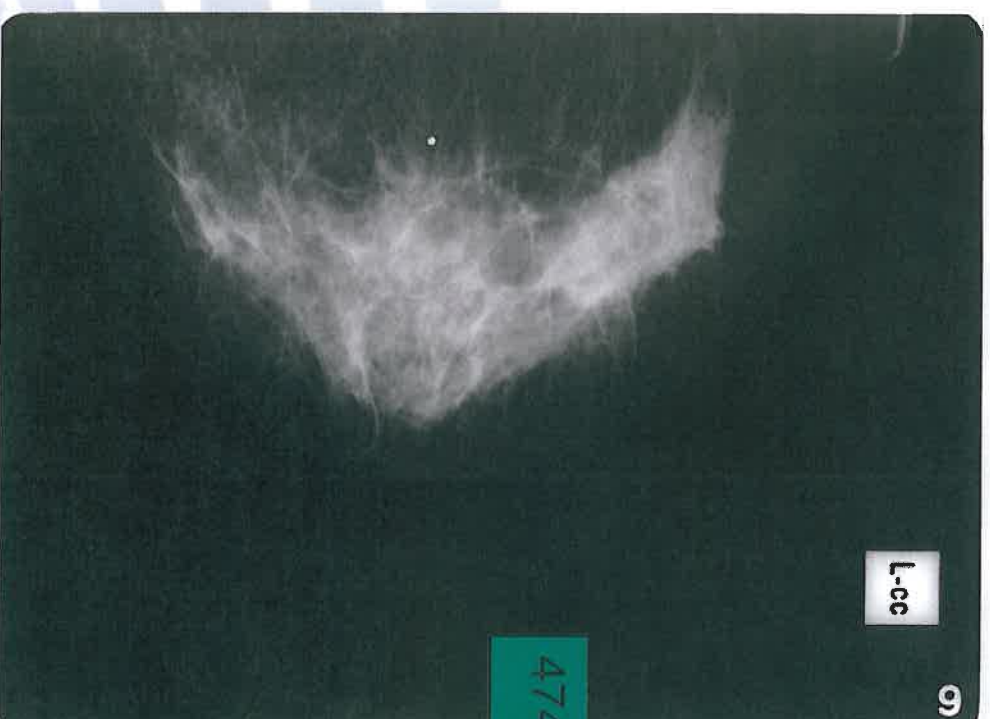
- ❖ EXTENDING A SITE'S CURRENT MQSA CERTIFICATION
- ❖ SCHEDULING PHYSICIST TO PERFORM START-UP TESTING
- ❖ SCHEDULE ENGINEER TO ADJUST AEC
- ❖ CONFIRM OPERATOR & RADIOLOGIST MQSA REQUIREMENTS
- ❖ PRINTER NEEDED FOR QC DOCUMENTATION

50 micron pixel spot size

18 x 24 cm - 32 MB¹

24 x 30 cm - 52 MB¹
¹ - uncompressed

Lossless compression
3:1



4740 pixels

10 bits

3540 pixels

TECHNOLOGIST TESTS

<u>TEST</u>	<u>FREQUENCY</u>
<ul style="list-style-type: none"> • (CNR) Contrast/Noise Ratio • Phantom Image • Printer QC • Monitor QC • Visual Checklist • Repeat Analysis • Compression • IP Fog 	<p>Weekly</p> <p>Weekly</p> <p>Per Manufacture/Weekly</p> <p>Per Manufacturer/Weekly</p> <p>Monthly</p> <p>Quarterly</p> <p>Semi Annual</p> <p>Semi Annual</p>

Each site must have a QC Kit. This Kit contains the items described in the FCRM Quality Control manual needed to perform MQSA required Quality Control. A single kit should be used to standardize QC test results where multiple ClearView readers are present. In the unlikely event the site already has these tools it is unnecessary to quote this kit.

The kit includes the following items:

- One (1) – 2 cm x 10 inch x 12 inch precision acrylic block**
- One (1) – 4 cm x 10 inch x 12 inch precision acrylic block**
- One (1) – 0.2 mm x 10 cm x 10cm Aluminum square**
- Two (2) – 6 inch (150mm) precision stainless steel rulers with metric equivalent and depth gauge**
- One (1) – digital timer**

FCRm QC Toolkit

FCRm Toolkit Contains:

4 cm acrylic

2 cm acrylic

0.2 mm al

Steel rulers

Timer



Pricing Comparison Multi Cassette CR-M

•ASPIRE CRm

- Single Slot Reader w/ Flash IIP-M and 1SpeedLink interface
 - 2 days professional services
- IIP-M
 - DRC, MFP, and FNC processing
 - Full screen mag, tiling QA s/w for image preview
- SpeedLink “M” Gen. I/F w/ cables, Lorad
 - W/ X-CON x-ray generator I/f for each IIP-M
- (4) each 24 x 30 Mammo cassettes w/ HR-VI Imaging Plates
- (4) each 18 x 24 Mammo cassettes w/ HR-VI Imaging Plates

•End Price to Customer \$65,500

DirectView CR 975

- CR 975 With Mammo Feature
 - EVP Plus, LEO, BSM, Grid D/S
 - DICOM Worklist & Procedure Mapping
- 17’ monitor + mount
- 4 each 24 x 30 Mammo cassettes w/ screens
- 4 each 18 x 24 Mammo cassettes w/ screens
- 1 ROP
- X-Ray Generator I/F w/ Cables (3750, 1700)
- 1 each TQT
- 1 each Basic CR Mammo Training (3 days)
- Cable& Furniture

Total CSH PromolList = \$125K

CSH adds a printer = \$17K

Total Dealer = \$106.4K

Dealer adds a printer for =\$14.1K

THANK YOU!