

A Quick Introduction to WorkstationOne™

The Speed Reader workstation
software by Three Palms Software



WorkstationOne™

- Breast imaging softcopy review workstation software
- FDA 501(k) clearance in December 2007
- Provides most complete functionality compared to competitors
- Read digital cases from all manufacturers, plus Ultrasound, CR, MRI and Nuclear Medicine studies



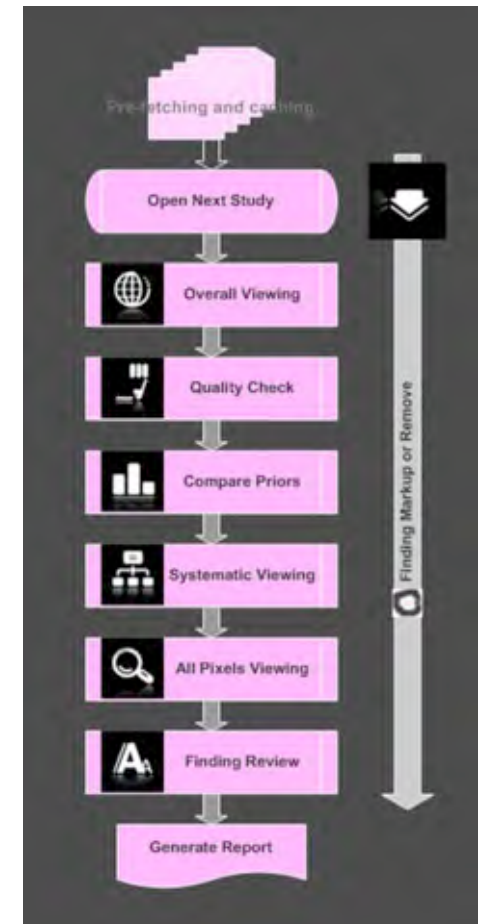
WorkstationOne™

Unique streamlined workflow for efficient review of digital mammography



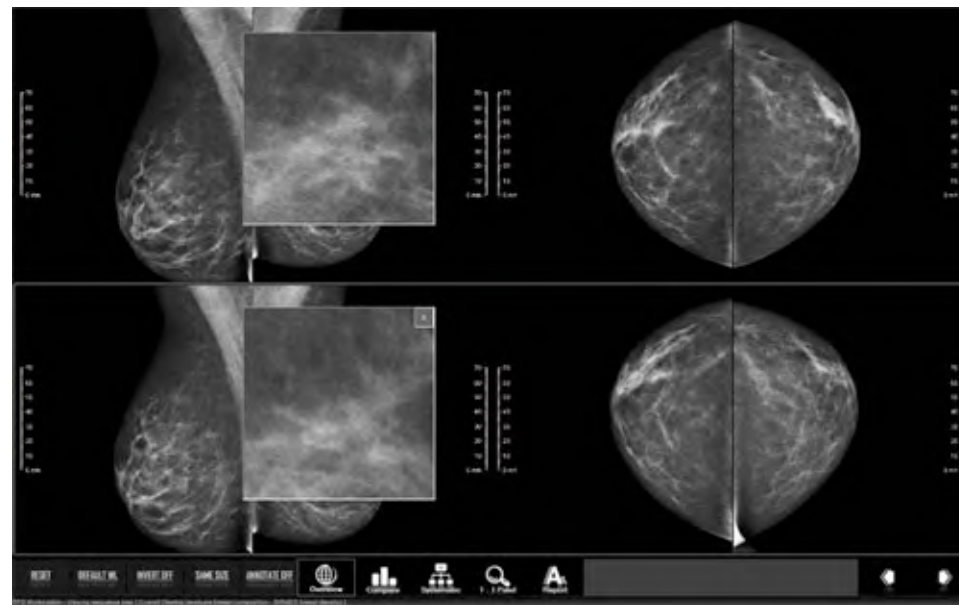
Reading Workflow

- Customizable mammographic-specific reading and hanging protocol sequences
- “One-click” workflow streamlines reading from opening a study to generating a report



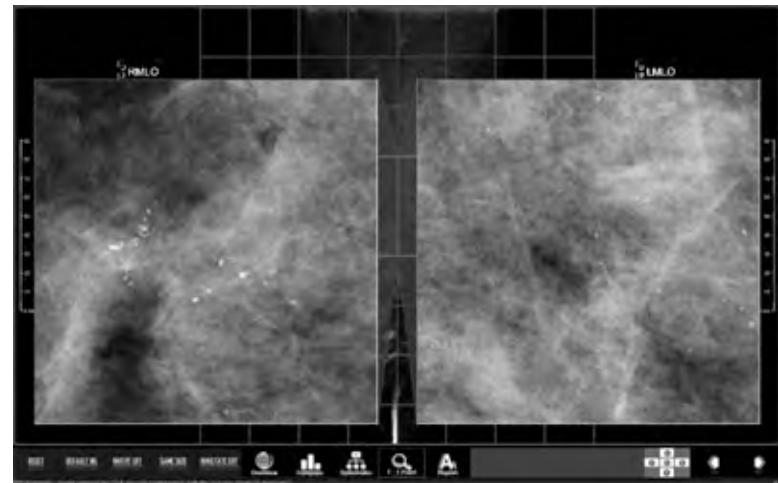
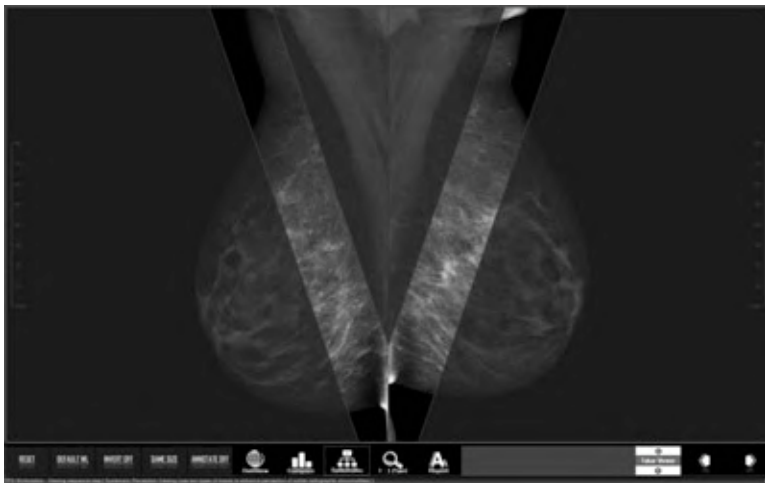
Current/Prior Comparison

- Compares current and prior images
 - Automatic alignment and scaling of images
 - Streamlines comparing current exams to multiple prior exams



Viewing Methodology

- Incorporates expert viewing methodology
 - Tabár's systematic viewing masks to enhance perception of subtle radiographic abnormalities
 - Unique all pixel viewing approach for efficient searching through all pixel data



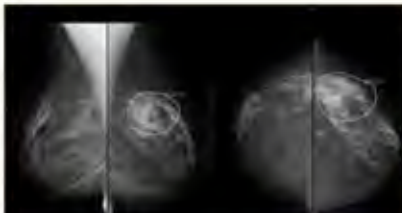
Reporting Capability

- Automatically populates the diagnostic findings to a Mammography Reporting System
- Generates recall form and screening reports
- Reports can be printed, emailed, and/or stored to PACS and/or RIS

Screening Mammography Recall Form (3/6/2008)

Patient Name: [redacted] Accession #: 3351136
DOB: 1948/03/10 Age: [redacted]
Radiologist: I [redacted] Referring Doctor: [redacted]

Abnormalities

Side		Type
<input type="checkbox"/> Right		<input type="checkbox"/> Mass
<input checked="" type="checkbox"/> Left		<input type="checkbox"/> Calc
<input type="checkbox"/> Both		<input checked="" type="checkbox"/> Architect
View		<input type="checkbox"/> Density
<input type="checkbox"/> RMLD		<input type="checkbox"/> Other
<input type="checkbox"/> ACC		
<input checked="" type="checkbox"/> LMLD		
<input checked="" type="checkbox"/> LCC		

Recall Patient Requirements and Time Estimation

Diagnostic Mammography

<input type="checkbox"/> MLO	<input type="checkbox"/> ML 90	<input type="checkbox"/> Rolled	<input type="checkbox"/> Nipple in profile
<input type="checkbox"/> CC	<input type="checkbox"/> Mags	<input type="checkbox"/> Fronts	<input type="checkbox"/> Step obliques:
<input type="checkbox"/> XCC	<input type="checkbox"/> Spot compression		

Imaging / Procedures

<input type="checkbox"/> CBE	<input type="checkbox"/> Biopsy (US-guided)	<input type="checkbox"/> Surgical eval
<input checked="" type="checkbox"/> Ultrasound	<input type="checkbox"/> Biopsy (Stereo-guided)	
<input type="checkbox"/> MRI	<input type="checkbox"/> Biopsy (MRI-guided)	

15 Minutes 30 Minutes 60 Minutes 90 Minutes

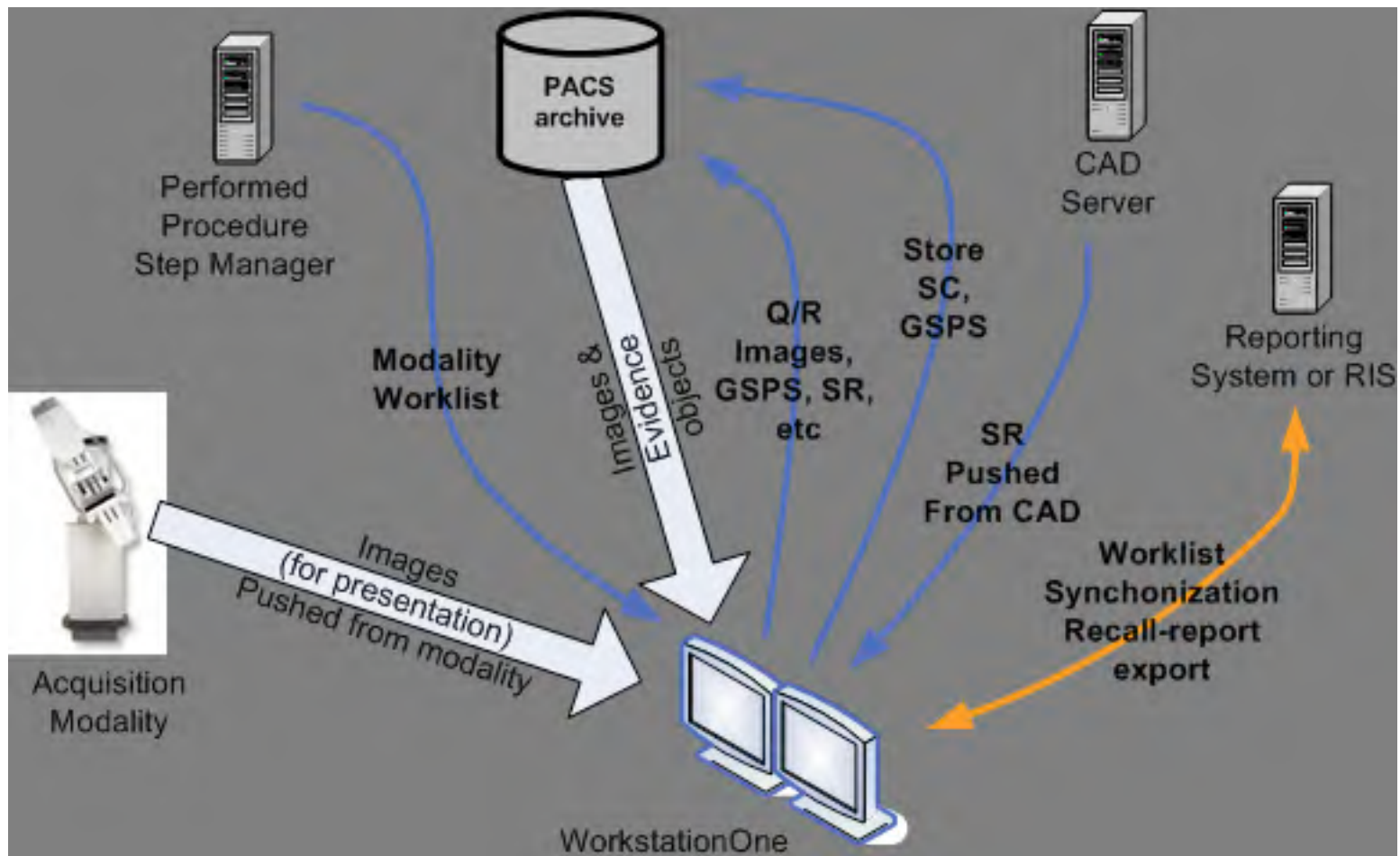
Screening recall Technical recall Positioning recall

Radiologist Notes: [redacted]

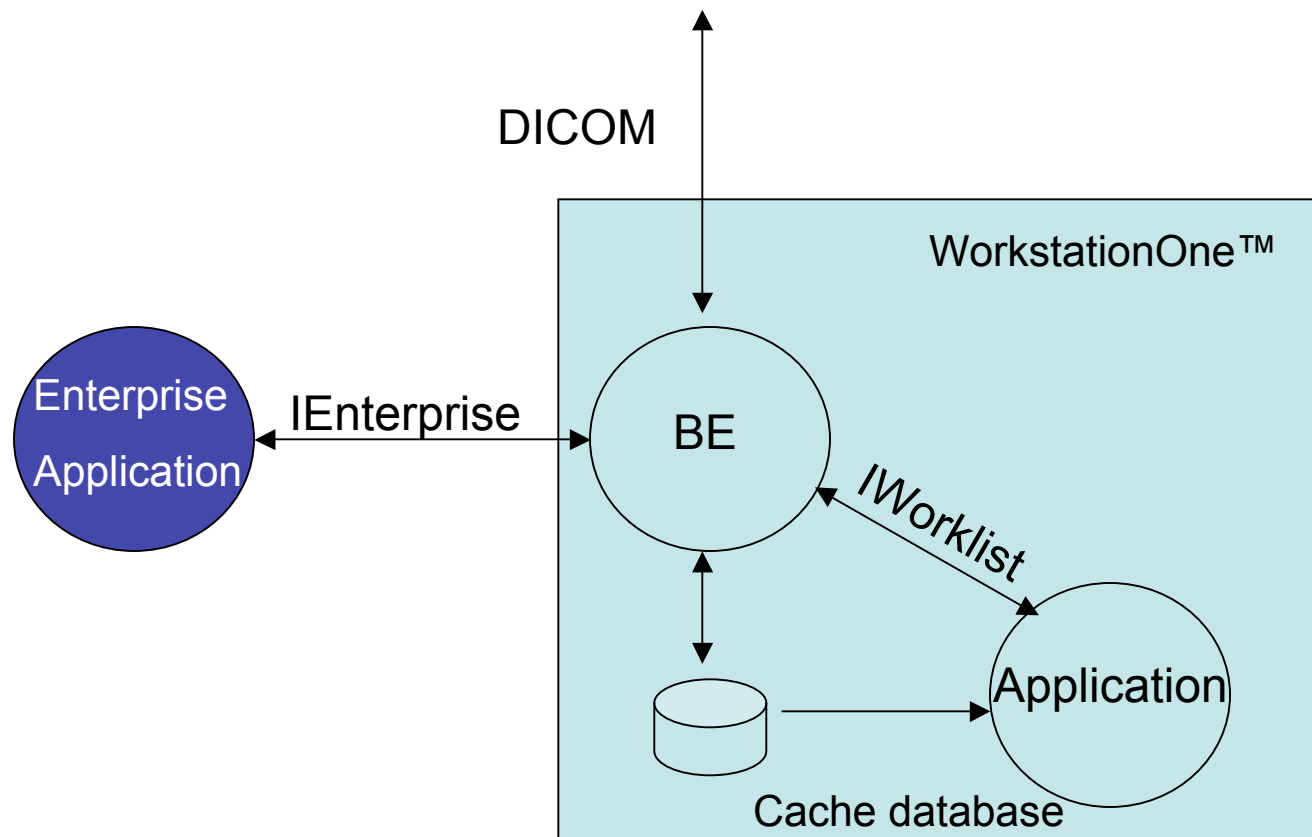
Print Send Close



External Interactions



Custom Integration



Device Description

- WorkstationOne™ is a diagnostic breast imaging workstation which consists of a software system that obtains breast imaging screening or diagnosis exams from PACS or modalities; displays and manipulates the images for radiologist to perform interpretation task. The workstation can also interface with a reporting system to generate an interpretation report.
- The enterprise workflow of the workstation follows IHE integration profiles, specifically, the MAMMO profile (Mammography Image Profile). The workstation can be configured to use mammographic specific hanging protocols and reading workflow. The workstation obtains the source images and CAD reports either as the recipient of the push of the data, or by querying and retrieving them from a PACS archive.



Clinical Need

- Radiologist need reading on a workstation to be as efficient as reading on a motorized-viewer
- Due to the reimbursement situation and the increasing exam load, efficiency and throughput become the driving factors in making mammography application purchasing decisions



WorkstationOne™ Solution

- Clinically-focused, vendor-neutral reading solution
- Unique streamlined workflow
- Elegance and Simplicity
- Patent-protected expert viewing technology
- Designed by a company with extensive experience developing solutions for the breast imaging market

Helping radiologists to read digital mammograms quickly and accurately



Competitive Advantages

- Vendor-neutral solution
 - Sites can have a mix of FFDM systems
 - Current and priors for the same patient may have been acquired on different systems
- Streamlined “one-click” mammography-specific workflow
 - Support for multiple priors integrated into the hanging protocols
 - Sequencing of hanging protocols as a reading workflow



Competitive Advantages (cont.)

- Incorporates expert viewing methodology
 - Tabár's systematic viewing masks to enhance perception of subtle abnormalities
 - Unique all pixel viewing approach for efficient searching through all pixel data
- Designed from the start to follow IHE standards
 - Mammography Image Profile
 - Reporting Profile
 - Key Note Profile



Medical Advisory Board

Strong, active medical advisory board providing on-going design input and clinical validation:

- **Laszlo Tabár, MD, FACR(Hon)**- University of Uppsala School of Medicine, Sweden; Department of Mammography, Falun Central Hospital, Sweden.
- **Richard L. Ellis, MD** - Norma J. Vinger Center of Breast Care, Gundersen Lutheran Medical Center, La Crosse, WI
- **Gary Levine, MD** - Hoag Breast Center, Newport Beach, CA
- **Michael N. Linver, MD** - Breast Imaging Center, Albuquerque, NM
- **Gillian M. Newstead, MD** - University of Chicago Medical Center
- **Robert A. Schmidt, MD** - University of Chicago Medical Center
- **Ralph Smathers, MD, FSBI** - Mammography Specialist Medical Group, Inc, Los Gatos, CA
- **Denise Wise, MD** - Solis Women's Health at Harris Methodist, Fort Worth, TX



Future Systems- Computer-assisted Reading

- Computer-assisted breast composition assessment
- Computer-assisted temporal comparison
- Computer-assisted finding assessment
- Communicative CAD reading

