



EBM MAMMOGRAPHY PACS
BUILDING CONFIDENCE IN WOMEN'S HEALTH

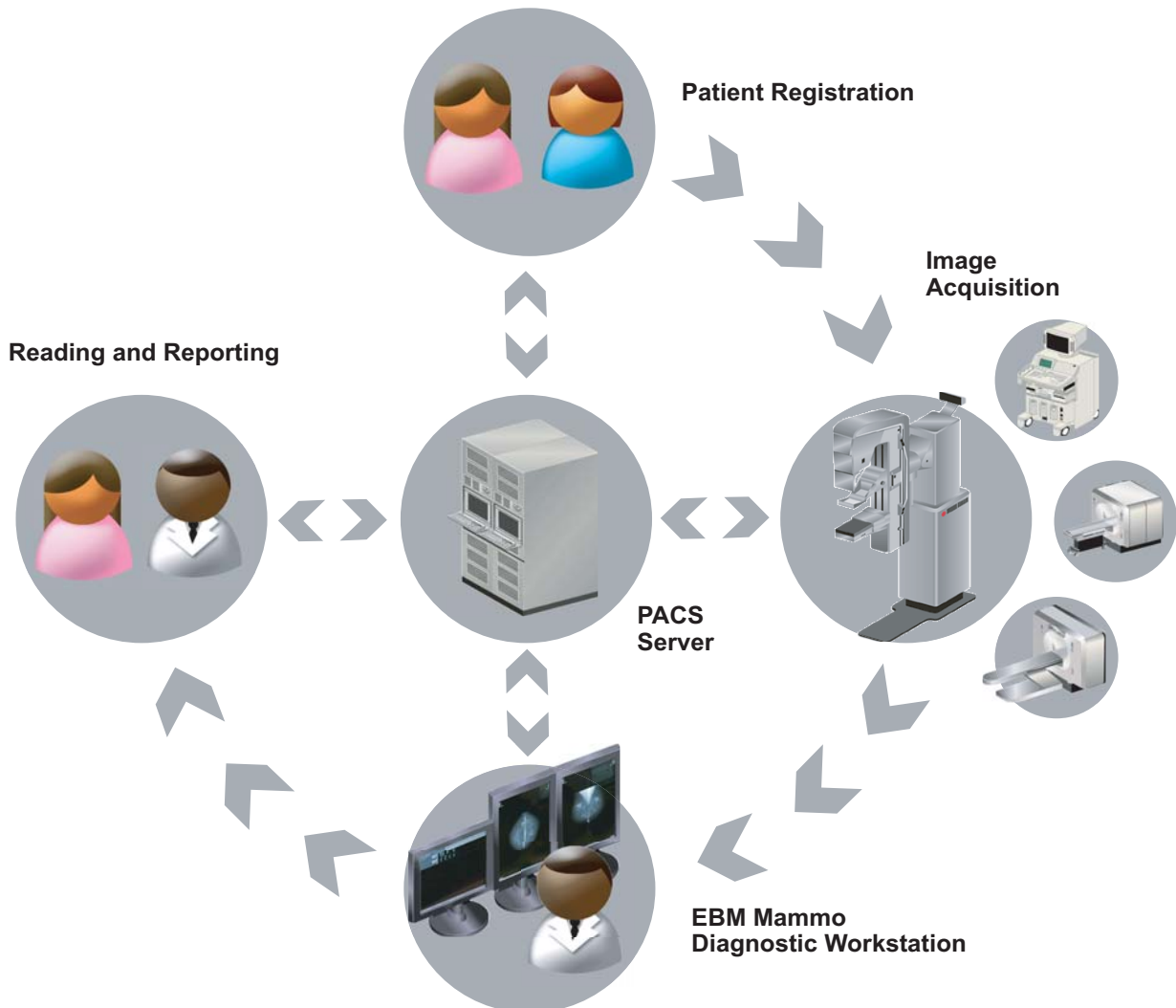
Complexity is a thing of the past

Digital Mammography has come a long way. It was only a few years ago that a physician would have to spend nearly 20 minutes squinting into a 2 mega pixel monitor to properly interpret the image. The software tools available were not completely suited for mammography interpretation. Now with the introduction of Pangea Mammo from EBM Technologies, such difficult and time wasting conditions are a thing of the past.

Utilizing Pangea Mammo, a physician can retrieve multimodality images from a PACS server with just one click of the mouse and provide a diagnosis report in as little as 6 minutes. Pangea Mammo supports an incredible wide variety of input modalities and output hardware; including state-of-the-art, 5 mega pixel grayscale medical monitors. Furthermore, Pangea supports optional modules (i.e. CAD) to make cursory reviews even more efficient.

Highlights

- View hanging protocols from FFDM units and all modality types on a single workstation
- Provide single interface for all modality types
- CAD support
- Eliminates Double Reading
- Web-based single point of deployment
- IHE compliant with DICOM/HL7/HIPAA standards





We are EBM Technologies Experts in breast imaging PACS

EBM has been developing Breast Imaging PACS with leading hospitals worldwide over the last few years. This effort has culminated in our Pangea Mammo Workstation. Developed with the doctor in mind, the Pangea Mammo Workstation is adaptable to how the doctor works and presents only the tools and information that the doctor wants.

EBM's vast experience and knowledge in breast imaging has resulted in a truly advanced digital mammography workstation not previously available. Additionally, our in-house development teams located worldwide serves as an excellent framework for further development enabling us to further improve our software quickly and cost-effectively. Rather than be first to sell a system which is rudimentary and not ready for actual production environments, EBM focused on building a system that adheres to strict internationally accepted protocols to facilitate complete interoperability.

At the IHE Connectathon 2007, our Pangea Mammo workstation successfully passed all aspects of Image Display and Image Manager tests. This confirms that our product can seamlessly and effortlessly integrate into any hospital system and modality. At IHE, each integration profile defines how information is to be shared between systems using HL7 and DICOM standards. All EBM products are built with DICOM and HL7 in mind from the ground up.

Pangea Mammo can also be characterized by its speed. Getting information to the right person at the right time, instantaneously and efficiently, is what our product does best. The convenience and time savings you gain with Pangea Mammo maximizes your efficiency and enhances patient care. Our 99.9% uptime enables you to diagnose with confidence.

"We chose EBM for its unique functionality to download breast images not only from FFDM units, but also from our ultrasound modalities for comparison. We were searching for a workstation that could display breast modalities from different vendors and provide a scalable solution for future equipment and workstations, and EBM offered an apt solution. EBM's team collected all the requirements to develop and improve software features from our Breast Center, and we are now moving from a film-based environment to an improved, accelerated workflow of digital imaging."

Dr. Bussanee, Radiologist and Head of Center

Ramathibodi Hospital, Breast Center
Bangkok, Thailand

EBM PACS for Mammography

One Workstation to access & manage all your information

EBM's breast imaging PACS provides the ability to view, archive, enhance images, and manage and provide images across the various hospital departments. Our PACS provides you with all the information you need in a simple click of a mouse. EBM PACS high accessibility to all types of radiology information include:

- *Mammography images*
- *Ultrasound images*
- *MRI images*
- *CT images*
- *CR images*
- *RIS information*
- *Film Digitizer documents*
- *Compatible with iCAD and R2 Technology.*

Breast Imaging

Multi-Modality Review Workstation

Pangea Mammo Workstation offers full integration, regardless of vendor, so you can display and diagnosis any and all digital images, view hanging protocols, use optional sophisticated iCAD tools and view current and prior mammograms alongside images from other modalities. By providing simpler workflow and clearer communication between doctors and referring physicians, EBM's breast imaging PACS workstation's seamless workflow and customized intuitive tools meet the demands of mammography today.

Pangea Mammo Review Workstation (RWS) Highlights

- *You can customize how and what your worklist displays*
- *Transparent study status on all interfaces/ throughout workflow*
- *Facilitates hanging protocol view stage inheritance*
- *Hanging protocol set up can be shared out as a template to other users*
- *Intuitive hanging protocol application per user defined criteria*
- *Supports Multimodality Image Comparison*
- *Study displayed in IHE Mammography conformance fashion*
- *Proven Mammography Reporting System Integration*

Workflow: Study Preview > Hanging Protocol > Next Study

Feature	Benefit
One time worklist preference setup	streamlines workflow
Multiple work list template selection	provides dynamic workflow
Exam diagnostic status indicator	ensures users are well informed
Sharable and inheritable hanging protocol	eliminates work redundancy
Automatic hanging protocol application	reduces number of clicks
One key to step through view stages	streamlines workflow
Drag and drop access of specific image	allows immediate comparison
Single device multiple function access	provides high accessibility with a mouse
Location free user profile	mobilizes user preference and privilege
Key Image note object	indicates image of interest for better communication

Safe, secure and reliable so you can be sure

It is crucial for a radiologist to have prior and current images available for comparison purposes to help doctors recognize small changes that occur gradually over time and detect a disease as early as possible. EBM's PACS workstation can provide all of a patient's images, including previous ones, available always at the fingertips of physicians.

User interface for all modalities

If a consumer purchases two different vendor modalities, they would have to purchase a workstation to go with each one. We offer one workstation that can review all images. This eliminates training of two types of mammography PACS systems.

Seamless integration of Hanging Protocols

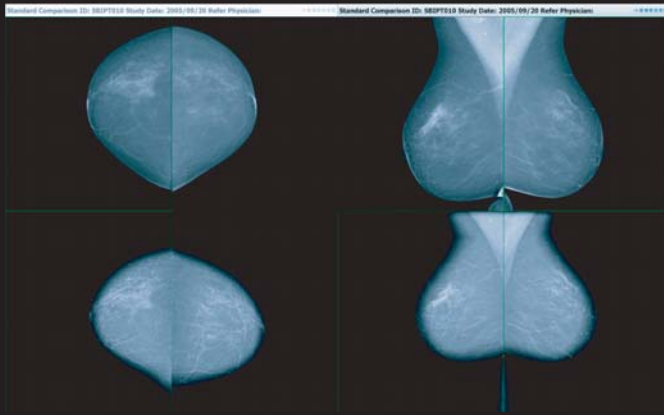
Today, workstations from different vendors tend to have issues with cross hanging. EBM's breast imaging PACS workstation can display hanging protocols from all vendors with seamless integration.

Accessible images shortens the distance to improved care

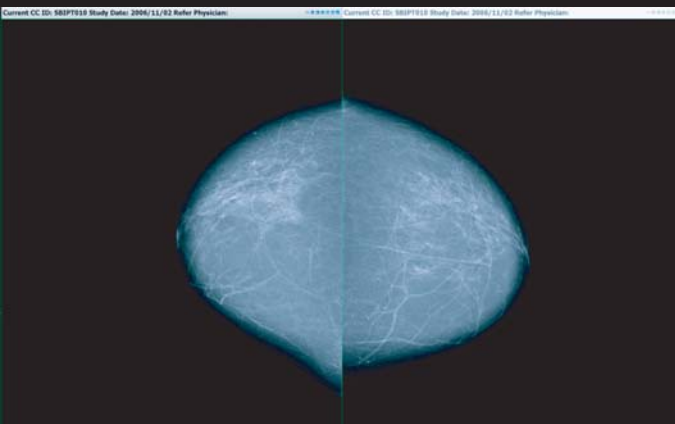
Since doctors do not have to go to different monitors to view images from different modalities, everything can be done at one workstation. Compatibility across the board.



Display of a Pangea Mammo Screening Case



As we navigate through a typical screening case with Pangea Mammo, the first display is an overview of new and previous images.



You can press a button to better view an image, e.g. CC projection for magnified visualization of small structures.



By pressing the button again, you can take a closer look at the oblique projection with EBM's zoom in function.

Breast Imaging PACS Built for Speed, Built for You

Getting information quickly is key in the medical environment and Breast Imaging is no exception. Pangea Mammo is designed with the tools you need for speed and efficiency to provide an enhanced and convenient workflow, enabling more focused time for diagnosis.

Pangea Mammo allows you to display any type of radiology image according to your stated preferences. You can customize how you want images to be displayed and the workstation stores your preferences.

Display Capability

- Grayscale Softcopy Presentation States
- Multiple linear/curve Look Up Table
- All DICOM Image types
- Auto window level based on DICOM IOD (Information Object Definition Class)
- Compatible with all CAD vendor markings
- Lossy/ Lossless/ Wavelet compression
- Toggle on and off overlay with patient info
- Intuitive image preview
- Same size, full resolution, true size, and fit to view port image comparison with magnification factor displayed
- Accelerates Diagnosis workflow
- CR images
- RIS information
- Film Digitizer documents

Image Enhancement tools

- Synchronized zoom, pan, invert, orientation and magnify
- Interactive and pre-set window level
- Quadrant Rendering
- Intelligent Roaming
- Free-hand Window/Level
- ROI Window/Level
- General and Mammography specific shuttering such as V-shape and 3 quadrants scrollable shutter
- Caliper, angle, ellipse and ROI measurement tools
- Overlay toggle on/off
- All to reduce click time and increase patient care

Hardware Specifications

- Maximizes performance by dual core cpu, Gigabit network connection
- Provides best image quality with dual high resolution grayscale monitors
- Enhances mobility with minimum hardware requirement
- Provides alternative control with optional ergonomic keypad

Options

- DICOM print module
- PDF report
- Net Conferencing
- Ergonomic Keypad
- RIS integration



About EBM

With over 20 years of experience in Healthcare Information Technology, EBM has successfully focused its strategy on being an innovative leader in medical information management systems and has consistently demonstrated our ability to develop new web-based technologies and to deliver the most powerful and progressive customizable diagnostic tools to a wide range of medical practices including acute care healthcare institutions, integrated delivery networks and radiology imaging and breast centers. EBM has an installed base of over 5,000 licenses of UniSight™ (diagnostic and reviewing stations), 200 licenses of UniWeb™ (online PACS), 250 licenses of UniServer™ (storage & utility server), operated by more than 450 hospitals and imaging centers worldwide.

Incorporated in 1988, EBM has evolved from a small dedicated group of specialist engineers to an international company that employs over 250 research, development, compliance, marketing, sales, support, and management professionals. Dedicated employees, visionary leadership, combined with a large and loyal user base plus a worldwide network of valued integration partners, have helped EBM to create some of the leading solutions for healthcare management.

We have focused our efforts on bringing together the best technologies, ideas, processes and practices to affect patient care and enable the next generation of digital management breakthroughs. EBM's background is marked by our dedication to healthcare professionals' needs to solve the complex problems of both mature and emerging practices. Our mission is to provide doctors with customized flexible software solutions in the workplace so they can realize dramatic results in cost savings, higher efficiency and above all improved patient care.

EBM DISTRIBUTORS:

North America

United States

LIFESCIENCE RESOURCES
Hoolehua, Hawaii, USA 96729
Phone: +1.808.553.3211 Fax: +808.553.5033
sales@lifescienceresources.com

Mexico

SUMINISTRO PARA USO MEDICO Y HOSPITALARIO, S.A. de C.V.
San Ramón 51
Colonia Del Valle México, D.F. 03100
Phone: +52.55.5687.8720 Fax: +52.55.5687.9618
www.smh.com.mx ventas@smh.com.mx

MEDI ROYAL, S.A. de C.V.
CADIZ No. 67-E Col. Alamos Mexico, D.F. C.P. 03400
Phone: +52.55.5519.3575
http://www.sroyal.com.mx mediroyal@sroyal.com.mx

South America

Argentina

HITTEC MEDICAL S.A.
México 3100 (C1223ABL) Buenos Aires, Argentina
Phone: +54.11.4957.8117 Fax: +54.11.4931.6600
hittec@pemint.com

Chile

INTERNATIONAL CLINICS S.A.
Av. Pedro de Valdivia 1219 Providencia, Santiago, Chile
Phone: +56.2474.7200 Fax: +56.2474.7296
http://www.iclinics.cl info@iclinics.cl

Peru

TECNOLOGIA INDUSTRIA Y NACIONAL S.A. –TECNASA
Luis Pasteur 1237 Lince, Lima 14, Peru
Phone: +511.422.4089 Fax: +511.421.2646
www.tecnasaweb.com tecnasa@tecnasaweb.com

Europe

Turkey

REPROSET ISTANBUL
Huzur Mah. ImamCesme Sok. No. 6
80660 Seyrantepe, Istanbul, Turkey
Phone: +90.212.335.9733 Fax: +90.212.289.2952
http://www.reproset.com.tr medical@reproset.com.tr

Asia

Hong Kong

THE INDUSTRIAL PROMOTING CO., LTD.
19-21/FL SI TOI Commercial Building
62-23 Connaught Road West, Hong Kong
Phone: +852.2548.0126 Fax: +852.2858.1480
marketing@inprom.com.hk

Japan

ImageONE Co., LTD
Shinjuku Daiichiseimei Building 12th Floor 2-7-1, Nishi Shinjuku
Shinjuku Tokyo, Japan
Phone: +81.3.5908.2820 Fax: +81.3.5908.2801
http://www.imageone.co.jp med@imageone.co.jp

Malaysia

TECHNOLOGY MEDICAL ASSOCIATE Sdn. Bsd.
Lot 2-6, Jalan SU/6A
Lion Industrial Park Section 26, 40400 Shah Alam
Selangor Darul Ehsan, Malaysia
Phone: +03.5192.9830 Fax: +03.5192.9793
http://www.tma.com.my simon_lee@tma.com.my

Philippines

EVANS MARKETING CORPORATION
Mezzanine Suite, Vernida 1 Condominium
120 Amorsolo Street, Legaspi Village Makati City, Philippines 1229
Phone: +632.813.2840.43 Fax: +632.815.6114
http://www.philmedsys.com evansnet@globenet.com.ph

Singapore

BLUESTONE CORPORATION PTE LTD
No. 1, Jalan Remaja, #03-07B, Hillview House, Singapore 668662
Phone: +65.767.1311 Fax: +65.767.8211
http://bluestone-corp.com office@bluestone-corp.com

Thailand

BJC TRADING CO., LTD.
99 Soi Rubia, Sukhumvit 42 Road, Bangkok 10110, Thailand
Phone: +66.2367.1243 Fax: +66.2381.4547
http://www.bjc.co.th terapon@bjc.co.th

Vietnam

WEST CAN PACIFIC/TD MEDICAL
36 Huynh Tinh Cua—District 3 Ho Chi Minh City, Vietnam
Phone: +84.8.820.4096 Fax: +84.8.820.5871
http://www.tdmed.com.vn anhtu@tdmed.com.vn



USA Main Office

EBM Technologies USA LLC
1600 Kapiolani Blvd., Suite 1300
Honolulu, HI 96814
Tel: 1.808.945.3100
Fax: 1.808.945.3105
Toll free: 1.866.212.6127

World Headquarters:

EBM Technologies Inc.
5Fl. No. 516 Sec. 1 Neihu Road
Taipei, Taiwan
Phone: 886.2.8751.4567
Fax: 886.2.8751.3300

Website: www.ebmttech.com

Email: info@ebmttech.com

