

WorkstationOne Technical Data

Hospital integration

- Follows industry standards, compatible with IHE MAMMO guidelines.
- Acts as a storage SCP for modality images of for-presentation MG, DBT, CR, CT, DX, MRI, NM, OT, PET, DBT-PRJ, US and Mammography CAD-SR; accepts lossless or lossy compression (lossy for MG and DBT - not FDA cleared in the US).
- Acts as storage SCU to output GSPS for radiologist markup, KOS for image correction or teaching purpose, e-PDF, SC and SR for mammography reports or patient letters; negotiates a variety compression schema for image export.
- Acts as a print SCU for film printing to DICOM printers, exporting to DICOM storage or to Windows printers, including customized annotation, overlay, true-size or any layout formatting, grey-scale and color output.
- Supports bi-directional HL7; settable version, OBR.
- Can be configured to use peer adapter or an available modality worklist (MWL) as a hint for up-coming studies to trigger automatically pre-fetch and composing of an interpretation worklist.
- Launching of cases via http, tcp, hl7, and file mechanisms, to support integration with external systems as well as bi-directional worklist synchronization.
- Can automatically collect radiologist finding markup information to produce interpretation reports. The output format can be in rtf, pdf for mailing or printing; or DICOM e-PDF, SC and SR for archives.

- Can push MG/DBT images, CAD-SR and other DICOM data to the workstation software, or can be retrieved from PACS.

Enterprise features

- Multi-reader (local and/or remote) support with automatic and manual arbitration.
- Two levels of pre-fetch – optimistic storage to local disk based on an expected worklist, plus caching to memory during the reading cycle using the interpretation worklist.
- Even with no user logged in, the system automatically pre-fetches studies.

IT features

- Software-only install, can easily be deployed in field.
- Runs on a range of Windows platforms (7 and later) – 64 bit preferred.
- Typically, with one color monitor for other modalities and worklist, and two high-resolution (FDA cleared for primary diagnosis of mammograms) monitors for image display.
- Low maintenance – system pre-fetches and cleans up data automatically.
- Stand-alone configuration tools (allowing service or site configuration of local settings).
- Intuitive integrated configuration UI for user options.
- User management built on Windows mechanisms – so can work within the policies that an enterprise implements as part of its HIPAA compliance.

OEM vendor features

- Customization options include logo and deeper integration with OEM products.
- No limited connection number for integration.

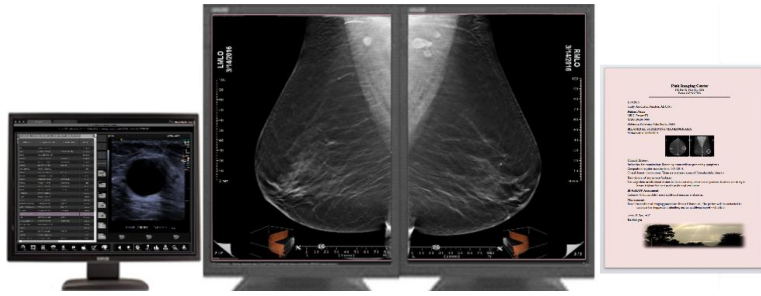
Three Palm Software



WorkstationOne™

Expert Viewing Methodology
Flexible Hanging Protocols
Efficient Interpretation workflow
Embedded Reports
Rich Enterprise Integration

<http://threepalmsoft.com>



Three Palm Software develops a line of leading-edge software products for mammography. These products include radiologists' interpretation workstations and computer-aided diagnosis (CAD) servers.

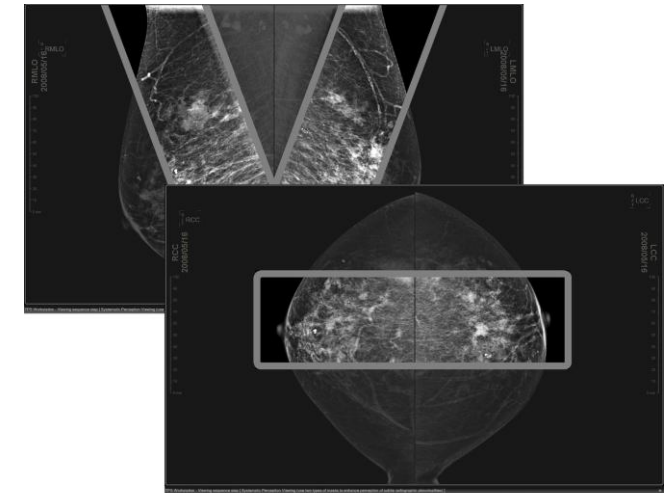
WorkstationOne™ - Mammography Interpretation Software

WorkstationOne from Three Palm Software (TPS) offers a distinct style for efficient interpretation workflow as well as rich enterprise integration. TPS understands the data-intensive challenges that radiologists are facing when moving from analog to digital, especially to newly accepted tomosynthesis mammography. WorkstationOne's simple, elegant user interface and rich, seamless integration are designed to meet the most demanding radiologists' needs.

User advantage highlights†:

- From opening patient studies to generating interpretation reports, the software streamlines radiologist's viewing workflow navigated by TPS patented "single-button" or "mouse-wheel only" technique to maximize efficiency.
- Radiologist-specific reading sequences and hanging protocols can be easily setup for reading both screening and diagnostic studies. The software incorporates expert viewing methodology including, only offered by TPS, the Tabár's systematic viewing masks – a recognized analog tool for searching for subtle radiographic abnormalities.
- When next patient case is opened, an overview of total 8 or 16 images from current and prior studies are displayed immediately, with an unlimited number of prior studies and extra views accessible by a single click.
- Current images are high-lighted in all comparison hanging protocols to minimize the risk of misdiagnosis from priors. The check-marks over the thumbnails of mammograms aid radiologists to track which images are viewed.
- Full-resolution mammograms, often larger than monitor screen, are navigated using a mouse wheel; so, visual tracing of pixels to ensure all pixels are viewed at full resolution - no need to manually pan and zoom images.
- Radiologists can markup over the current study at any time; and corresponding reports are automatically generated - templates are available for recall forms, screening reports, checklists and patient letters.
- Tomosynthesis (and projections) is fully integrated into the radiologist familiar workflow. In addition, the software provides real-time 3D breast navigation icons to indicate current frame location, cine automatic viewing, and real-time thick slice reconstruction.

† WorkstationOne features are covered by one or more of TPS's patents: 8,184,890 8,340,387 8,803,911.



Tabar's Systematic Perception Viewing Masks

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