Three Palm Software’s breast imaging workstation product is called WorkstationOne™, and offers a distinctly different style of enterprise integration and interpretation workflow. Three Palm Software understands the data-intensive challenges that radiologists are facing when moving to digital mammography, and the need to review digital mammograms as efficiently as they can read films on motorized light boxes. This mammography workstation’s elegant and simple interface is designed to meet the most demanding radiologists’ needs.

**User advantages:**

- “Single-click” workflow* to streamline mammogram reading from opening a study to generating a report.
- Customized mammographic-specific reading and hanging protocol sequences (including multiple prior support)
- Incorporates expert viewing methodology including Tabár’s systematic viewing mask techniques* for searching for subtle radiographic abnormalities.
- 8 or more current and prior images are displayed immediately when the next study is opened, with multiple priors accessible by single click.
- Current images are high-lighted in all hanging protocols to minimize the risk of misdiagnosis from priors.
- Full-resolution image viewing navigated using a mouse wheel; visual tracing of pixels that have been viewed – no need to manually pan and zoom the images to view all pixels at full resolution.
- Electronic grease pen allows the radiologist to markup the image display any time; and automatically generate corresponding mammography recall form and/or screening report. Markup can be optionally exported to PACS.
- Range of modalities – FFDM, CR, digitized films, DX, US, MR, CT, NM; integrated CAD and GSPS display.
- Tomosynthesis support – DICOM standard, cine mode, navigation icon, fully integrated into the workflow.
- Optional plug-in viewers for additional capabilities such as breast MR CAD, ultrasound CAD, web document review, dictation triggers, etc.
- Mammography film printing – including 10 and 12 bit grey-scale, true size, chest-wall alignment, annotation positioning, as required to meet the MQSA guidelines.
- Efficient reading due to bi-directional reporting system integration – reading can be driven by an external work-list, and markup and assessment results from the reading are transparently propagated back into the reporting system where they are included in the generated report.

**Enterprise features:**
- Follows industry standards, compatible with IHE Mammo guidelines.
- Images and related information (such as mammo CAD structured reports and markup defined in GSPS objects) can be pushed to the workstation, or can be retrieved from PACS.
- 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 work-list.
- Even with no user logged in, the system automatically pre-fetches studies.
- Multi-reader (local and/or remote) support with automatic and manual arbitration.
- Plug-in mechanism integrates the display of reports from an external RIS, and supports the trigger of an external dictation system with the identity of the study being read.
- Peer-to-peer worklist synchronization without the need for a server (reading states on multiple workstations can be automatically synchronized).

**IT features:**
- Software-only install, so can easily be deployed in the field.
- Runs on a range of Windows platforms (e.g., XP, Vista and Windows 7) – 64 bit preferred. Low maintenance – system pre-fetches and cleans up data automatically.
- Stand-alone configuration tool (allowing service configuration of site settings).
- Intuitive integrated user configuration UI for user options.
- Application honors the security settings of the enterprise – so can work within the policies that an enterprise implements as part of its HIPAA compliance.

**OEM vender features:**
- Customization capabilities include APIs that expose the ability to provide alternate mechanisms for triggering pre-fetch, worklist integration, and report export.

**Technical data:**
- Runs on Windows (XP and later) with the dotnet framework.
- Native 32 and 64 bit versions of the application.
- Recommended to be used with one color monitor for user navigation, and two high-resolution monitors (typically 5MP) for primary diagnosis of mammograms.
- Displays greater than 256 grey levels on suitable monitors, with optimized display on specific display cards which off-load all display tasks from the CPU.
- Acts as a storage SCP in order to receive MG for-presentation studies, Mammography SR reports, GSPS (gray-scale softcopy presentation state) objects, and related images in classes such as SC (secondary capture), US (Ultrasound), MR (Magnetic Resonance), NM (Nuclear medicine), CT, DX and the new Breast Tomosynthesis IOD.
- Acts as storage SCU to output SC and GSPS for report or measurements.
- Acts as a print SCU for film printing to DICOM printers.
- Optionally utilizes available modality worklist, general-purpose work-list, and reporting work-list as hints for up-coming studies (to trigger pre-fetch) and for composing an interpretation work-list.
- Optionally utilizes general-purpose performed procedure step to report progress in the reporting workflow.
- Optionally acts as a SCP for modality performed procedure step – so that an acquisition device can be configured to notify the workstation of completion of an acquisition.
- Bi-directional HL7 support.
- Launching of cases via http, tcp, and file mechanisms, to support integration with external systems.
- Integration support includes bi-directional worklist synchronization, and export of reporting information.

* patent-pending technologies

Medical Advisors
World-renowned experts guide the development of our products.

WorkstationOne
WorkstationOne is the most functional and efficient radiologist's reading system on the market.

Contact
Contact us for more information on our products, or to obtain help on existing installations.

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