



## Unmatched Speed and Reliability for Cardiac and Angiography Labs

The Horizon SE is a complete hemodynamic monitoring and analysis system embedded within Mennen Medical's total IT solution for cardiac and angiography labs. The increasing need for networkability and an efficient workflow requires the need for a system that has inherent networking power and which is able to process and distribute a huge amount of data in a transparent fashion.

### Benefits:

**Integrated Peripheral Vessel Management packages:** The Horizon SE provides unique cost-effective opportunity for hospitals sharing catheterization and Angiography for Angio-shared labs.

**Integrated Data Management "CIS" Solution:** The integrated CIS module provides a centric patient record, collecting data flowing to and from holding, recovery and procedure rooms. This powerful tool enables the utmost convenience for data integration in the cath lab workflow.

**Integrated Electrophysiology capabilities<sup>FDA pending</sup>:** The Horizon SE's six integrated intracardiac channels provide a unique, cost-effective opportunity for hospitals that cannot afford a comprehensive EP system.

**State of the Art Signal Acquisition Module:** The CFE<sup>®</sup> is Mennen's propriety vital-sign monitor type front-end. It is built with cutting edge technology designed to operate under the most strenuous workload conditions of the procedure continuously and flawlessly, minimizing lab downtime to zero.



## Product Highlights:

### Complete Hemodynamic Analysis

The Horizon SE offers proven and reliable algorithms of pressure analyses of all known pressure sites, gradients, valve area calculations and cardiac output. The true multi-tasking operation ensures comprehensive presentation of the analyzed waveforms on the screen.

### Import/ Export Connectivity

Horizon SE and the CIS module supports HL7/ DICOM interfaces to import ADT and worklist demographics, thus eliminating the need for entering multiple patient demographic data and minimizing typographical errors. Case data is automatically exported to the integrated CIS module including waveform full disclosure, screen snapshots and export to external machines via HL7 or XML.

### Complete Integrated Pediatric Package

The Horizon SE offers the best pediatric package on the market, developed with the cooperation of leading pediatricians. The package allows the user total flexibility in customizing congenital heart diagrams (Mullins) graphically or/ and alphanumerically. An online oximetry and shunt determination with user friendly tools allows re-analyzing as well as adding or editing data, during or after the fact.

### Interventions: Coronary Tree Score and PTCA Table

The Horizon SE includes a user-friendly coronary tree that allows online documentation of interventional procedures, including stenosis data, equipment and intervention details.

### Peripheral Vessel Management

The Horizon SE provides a set of all non-cardiac diagrams of peripheral vessels and allows the user the unique ability to monitor and measure peripherals pressure, define and calculate gradients and free-hand drawing of vessel morphology before and after interventional procedures. The PTA table allows for real-time documentation of the interventional procedure.

### Multi-purpose Intuitive User Interface

- Conventional Graphical
- Icon-based

The Conventional Graphical version provides all main controls in one screen, eliminating the need to use dropdown menus or icon clicking. This interface is suitable for users that meticulously annotate each and every step of the case and require online notes or PTCA table screens. The icon-based version is intended for users requiring a dual waveform-monitor and documentation tools intermittently.

### Offline Workstation and Remote Interactive Terminal

The offline workstation allows for remote interaction with the system, serving as an administrative tool which allows the user to register patient(s), view data of existing patient, reanalyze, edit and create reports. The remote interactive terminal enables simultaneous operation of the system from additional locations (typically from the procedure room).

