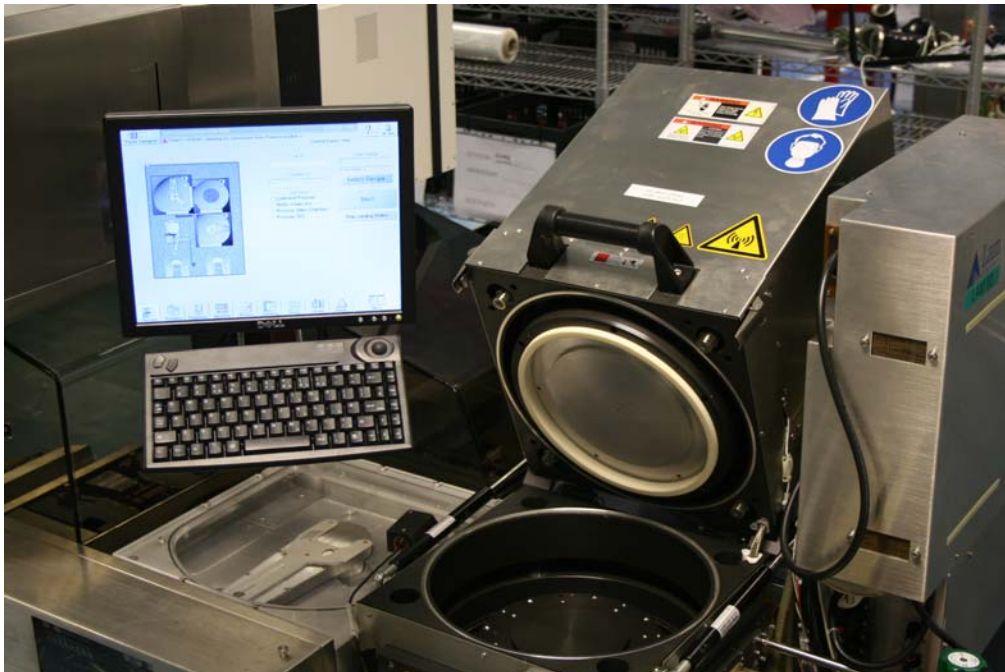# Product Announcement
Maintenance Terminal
for Envision™ Systems

SEMI SCENIC

Features

- Front/Rear 15" LCD display
- Service area control of system functions
- Field upgradable
- Operates over complete system footprint

Benefits

- Improved ease of system maintenance
- Reduced MTTR
- Reduced downtime
- Fits within current system footprint

New Feature Release Background Information

Date: January 25th 2008
Product/Feature: Maintenance terminal for Envision™ systems
System Type: All bulkhead mounted Lam Research standalone tools with Envision™ operating system

Feature Description

New CRT housing includes 15" front LCD display.
Integrated rear 15" LCD display with keyboard and trackball.

Features and Benefits

Rear screen dual axis positioning capability allowing system control from a range of positions.
Reduced system downtime due to:
  Reduced MTTR.
  Easier system maintenance due to ease of system control in the service area.
  Fully integrated control of the system.
  Dedicated maintenance terminal per system.
Reduced manpower required for maintenance activities due to system control where it is needed.
Reduced CoO. New LCD display cheaper than current CRT.
Front to rear selection via simple selector switch.
No impact on system footprint.

Field Upgrade Impact

Easy field retrofit.
Complete hardware installation, completion time 4 hours.
No additional field training required, full retrofit procedure provided.
No changes to maintenance procedure, except for inclusion of rear maintenance terminal.
Minimal part number change impact , only change to new CRT part number.
Parts being replaced by this upgrade limited to existing CRT assembly.

Hardware/Process Impact

No process shift or recipe change required with this upgrade activity.
Hardware drop in replacement for an existing component.
Upgrade does not support lightpen operation
Upgrade kit available to upgrade the system to Trackball operation.
No other upgrades or features required to support this upgrade activity.
Upgrade specific to bulkhead mounted Rainbow™/TCP™ system with envision™ OS.
No impact or changes on system facilities requirements.

General Information

Part numbers used to order the upgrade:

Short Frame system: 001-000034-001
Long frame system: 001-000034-003

Please do not hesitate to contact Semi Scenic if you have any questions or would like additional information on the above product offering.