These space saving lockers automatically present the shelf of interest to the operator. An LED then illuminates the reticle slot of interest for quick, mistake-proof retrieval and return. A master database tracks each reticle’s history and every operator transaction. SECS/GEM permits a FAB’s Host to easily control and monitor everything.

With a quick bar code swipe you’ll have the correct reticle in seconds. Query the database for inventory status, box location, checkout & return data, operator IDs, last inspection date, usage between cleans, total usage odometer, comments, etc. Such data triggers the maintenance that assures your reticles are ready when called upon. Conserve cleanroom space, assure fast operator retrieval, and know the reticle is production ready.

Made in USA  www.v-automation.net
Reticle Management
Reticle Storage Locker

Conserve cleanroom space by using Reticle Storage Lockers. The Storage Locker automatically presents the appropriate shelf. An LED illuminates the slot of interest, the safety door is opened, and the operator can quickly retrieve or return the reticle box. A database tracks every reticle and every transaction.

Reticle Storage Locker:
- Can be flush mount into gray area
- Skins and door are removed for illustration purposes
- Footprint 78” W x 54” D x 105” H + Bolt On Shelf
- 1150 Capacity for Canon Box 201 X 190 X 32mm
- 1360 Capacity with Optional Bolt On Shelf as shown
- Add ~230 boxes for every ~9” of depth added
- Mix & Match different box sizes

Stop production delays caused by searching for lost reticles.
Use valuable cleanroom space for production tools, not for storage.
Use database history for predicting reticle maintenance.

Storage Shelf Details
- LED Light Indicator
- AntiStatic Plastic Spacer
- Reticle Box
- Box has overhang for easy finger grab

Touch Screen Controller
- SECS/GEM
- Bar Code
- Ethernet Port / USB Port
- Storage Location Mapping
- Reticle History Tracking
- Event Log w time stamp
- User’s Comments Log

Optional Bolt On Shelf shown here
Use Smart Shelf to create a reticle management system. With a quick Bar Code swipe, Host, or PC Command, you’ll have the correct reticle in seconds.

**HIGHLIGHTS**

- Smart Shelves can be added to any existing storage room
- Shelves are wired with LED indicator lights at each shelf and at each slot
- The shelf & slot of interest are illuminated for quick locating
- Shelves are wired together and integrated to the Touch Screen Controller
- Shelves have quick connect electrical for easy add, remove, or relocate
- Shelves are custom sized to suit
- Just seconds for accurate reticle retrieval and return
- Know the history of every reticle

**Touch Screen Controller**

- Accepts SECS/GEM, Bar Code, Touch Screen commands
- Ethernet & USB Ports
- Reticle History Tracking
- Event Log w time stamp
- User’s Comments Log
- Maintenance mode

**Exploded View Smart Shelf**

- Anti-Static Spacers
- LED illuminating the storage slot of interest
- Shelf shown here is for vertical box orientation