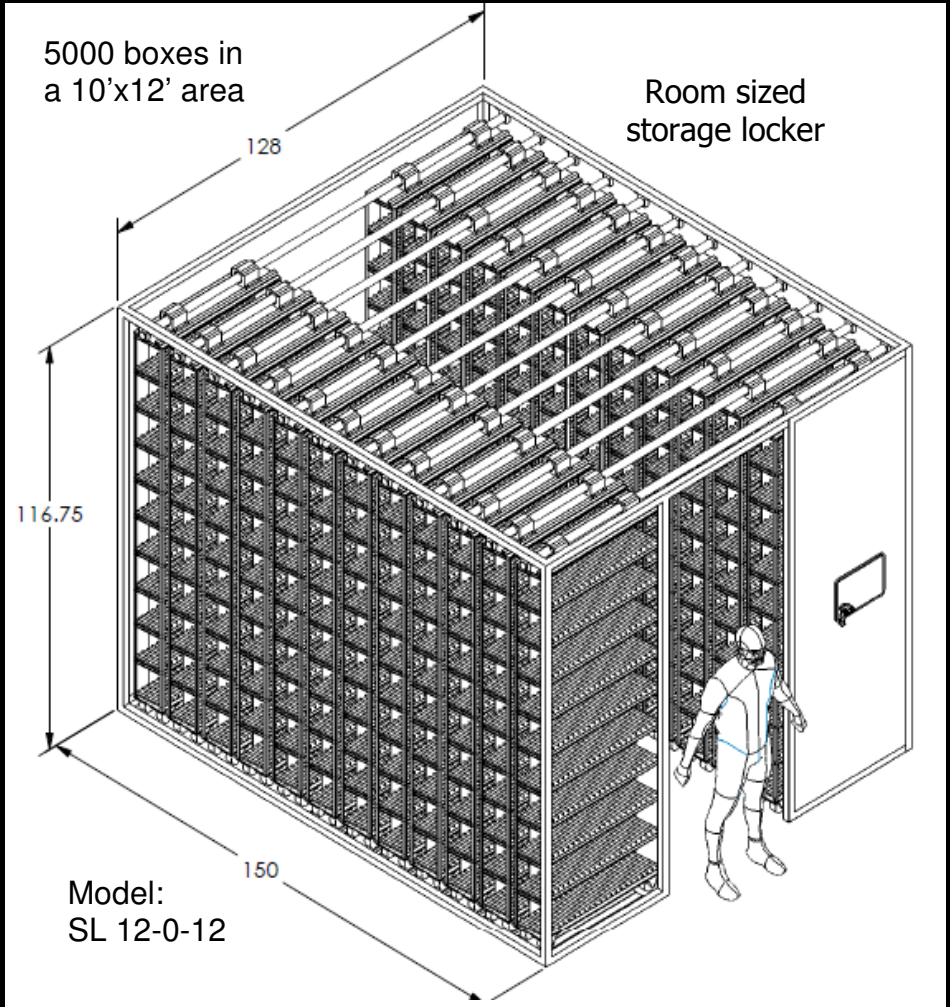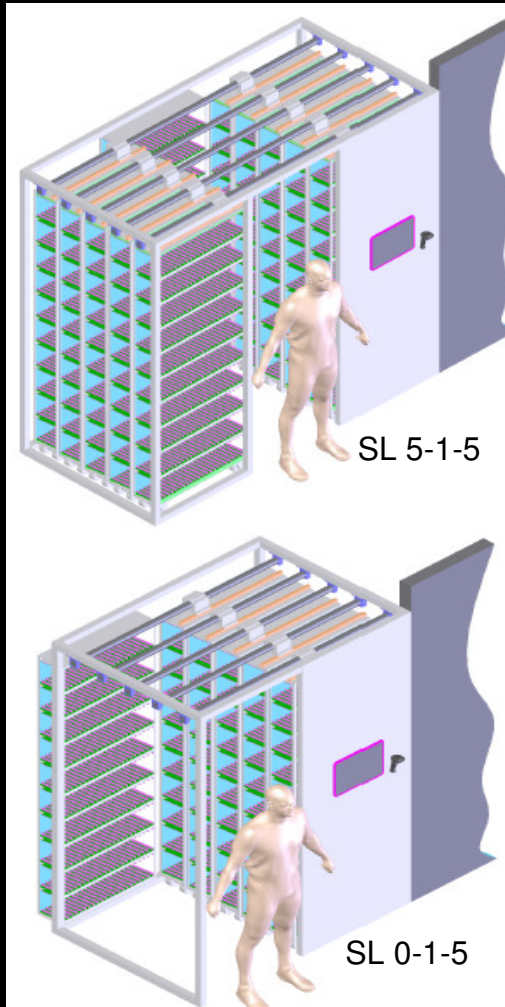Area Representative:
**Bud Rogers**
**(214) 592-0039**
bud-rogers@tx.rr.com

# *Reticle Management Solutions*
## Reticle Storage Lockers

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.



SL 5-1-5

SL 0-1-5

5000 boxes in a 10'x12' area

Room sized storage locker

128

116.75

150

Model:
SL 12-0-12

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.
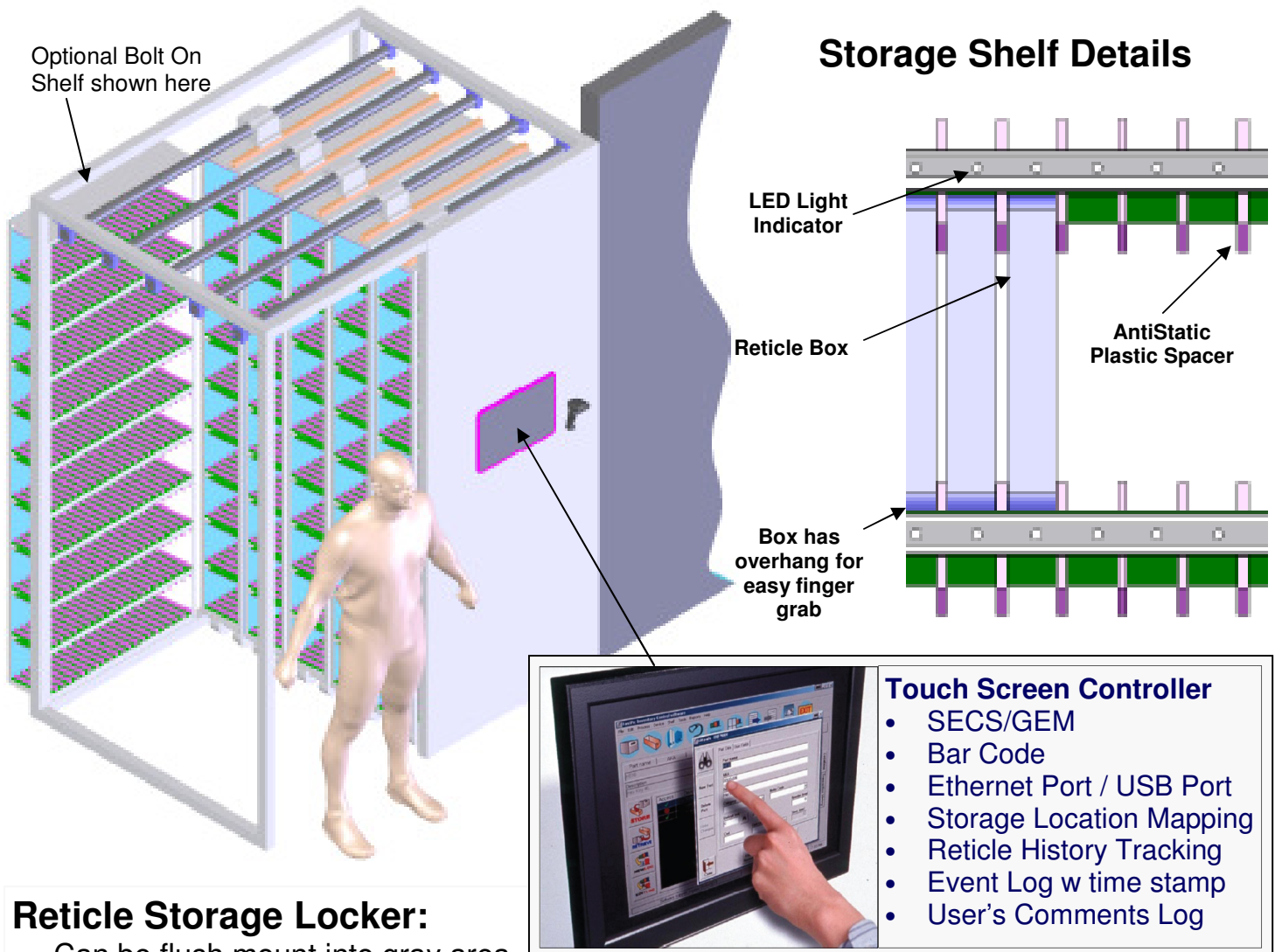
# Made in USA       *www.v-automation.net*

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# *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.**

Optional Bolt On
Shelf shown here

## Storage Shelf Details

**LED Light
Indicator**

**Reticle Box**

**AntiStatic
Plastic Spacer**

**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

## 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.*
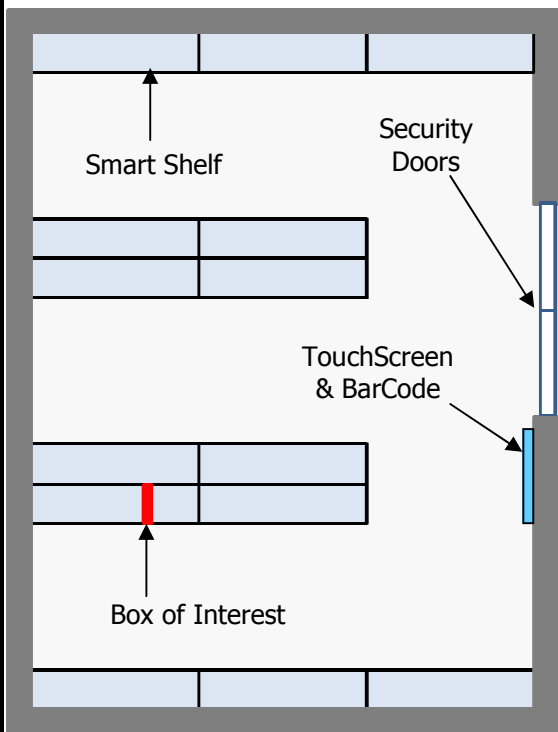- *Use database history for predicting reticle maintenance.*

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# *Reticle Management*
## Smart Shelf Modules

## 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.

Smart Shelf

Security Doors

TouchScreen & BarCode

Box of Interest

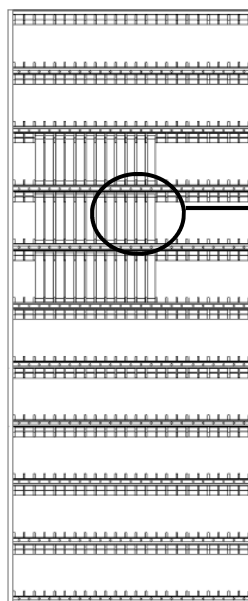Example Storage Room (Top View)

## <u>HIGHLIGHTS</u>

- 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
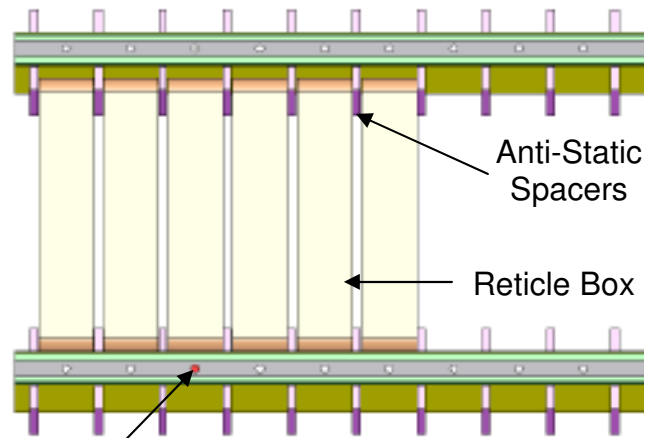- Know the history of every reticle

**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

**Front View**

**Exploded View Smart Shelf**

Anti-Static Spacers

Reticle Box

LED illuminating the storage slot of interest

Shelf shown here is for vertical box orientation