

SMED Spindle Liners

Optimizing Efficiencies

Maximize R.O.I.

- Spindle Liners are designed to allow faster machining speeds and closer machining tolerances on turning centers.
- Spindle Liners are used in lathes, often in conjunction with bar-feeders / bar loaders.

Spindle Liner Storage

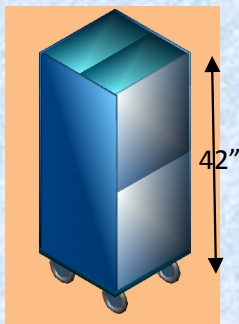
Where do you store your spindle Liners?



Who knows? Storage Rack With bar stock

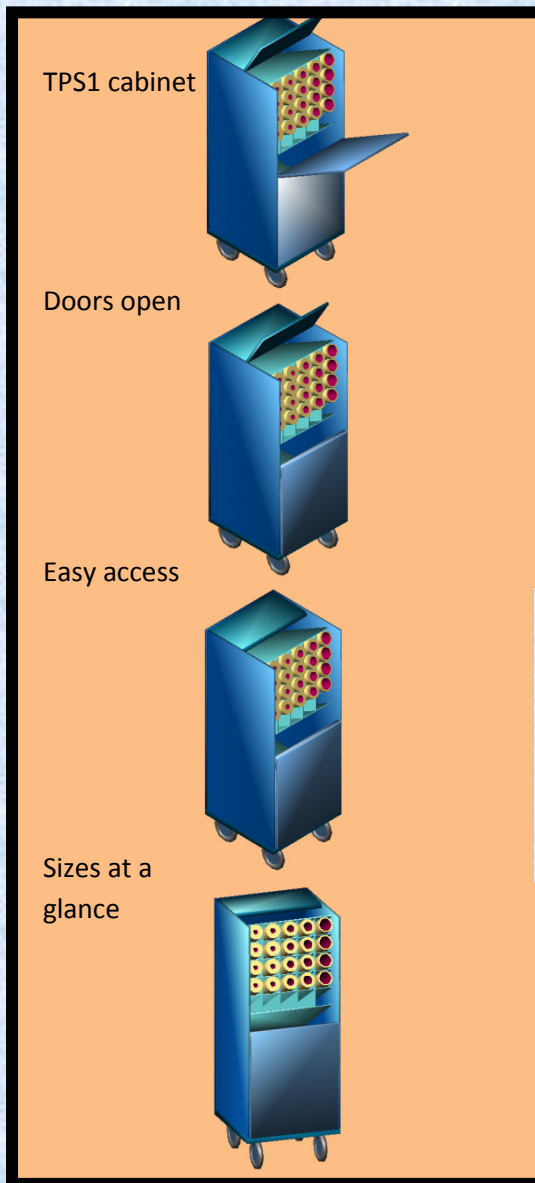
- The TPS1 Innovative Patented Design provides a modular storage cabinet with a small footprint of 18"x18". Cabinets are painted to customer's specifications or standard blue RAL 5012.

TPS1 Spindle Liner storage cabinet



TPS1 cabinet features

- 5S implementation solution.
- Point of use for multiple machines.
- Lean manufacturing and cell layout compliant.
- Poka Yoke design to eliminate mistakes.



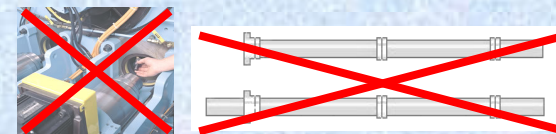
ONE MINUTE CHANGE OVER

Spindle Liner Setup

Machine shops take from 5 min to 30 min on each spindle liner change over, disturbing the bar loader/bar feeder set up.

Unmanned Operations

The TPS1 is robot friendly. Its design allows more flexible and longer unmanned operations.



Model: TPS1

Description: Turning Center Spindle Liner

- ✓ Unique patented spindle liner design
- ✓ Designed with SMED principle.
- ✓ Customized to fit machine's spindle.
- ✓ Robotic arm friendly. No tools required.
- ✓ TPS1 is shipped with storage cabinet.
- ✓ TPS1 includes 5 spindle liners for the bar stock of customer's choice.
- ✓ TPS1 is manufactured in metric or imperial sizes to customer's order.

For Demonstration Contact: