

SIPLACE Material Tower

SMART STORAGE SYSTEM FOR COMPONENT REELS



The SIPLACE Material Tower is compact, MSD-capable and intelligent. It is fully integrated into the SIPLACE Material Manager. Despite holding up to 932 reels, the compact SIPLACE Material Tower issues reels in less than 10 seconds. You benefit from a more efficient and more flexible material supply system that puts everything within walking distance.



The SIPLACE Material Tower is a storage system for SMT specific materials that is directly controlled by the SIPLACE Material Manager, the intelligent solution for SMT-typical material logistics. Since it issues requested materials in less than 10 seconds, it saves your operators lots of valuable time.

As a hardware component in your material logistics system, the SIPLACE Material Tower is the ideal solution for:

- Intermediate storage in kitting areas
- Material supply storage in the immediate vicinity of your SMT lines

Your benefits at a glance:

- Optimized material supply for SMT lines
- Elimination of unnecessary material withdrawals and returns from/to storage
- Fewer material-related production interruptions
- Fewer trips and faster procedures in the kitting area
- Component reels are stored safely with minimum space requirements (932 reels on only 1.5 square meters or 16 square feet)
- ESD and moisture protection
- Inventory and MSD monitoring in real time

SIPLACE Material Tower



Optimized material supply system for SMT lines

The SIPLACE Material Tower was designed to be not only an MSD-capable addition to your material warehouse, but to also function as an intermediate storage system positioned directly adjacent to your kitting areas and SMT lines.

With the SIPLACE Material Tower, you can move all the required material for an entire production job from the main warehouse to the production floor in a single step and keep them in a protected enclosure until they are needed. Withdrawing a reel takes only a few seconds.

The SIPLACE Material Tower is also an ideal solution for kanban procedures in high-volume production environments.

Kitting areas in high-mix production environments also benefit from the SIPLACE Material Tower. It eliminates extra trips to the main material warehouse, eliminates unnecessary removals and returns from/to inventory, and speeds up your setup processes.

Compact hardware for smart workflows

The SIPLACE Material Tower is available in "small" and "large" versions. With a height of 2.5 meters and widths of 1.11 meters and 1.56 meters respectively, both are exceptionally compact. Despite its small size, the larger model holds up to 932 reels. And thanks to its freely selectable shelf pitch in steps of 5 mm, each SIPLACE Material Tower can handle reels that are up to 72 mm thick.

Do you require more storage space? No problem. With the SIPLACE Material Manager, you can combine multiple SIPLACE Material Towers in the same location to form a single cluster.

TECHNICAL SPECIFICATIONS

General	"Small" model	"Large" model
Dimensions	1,110 x 1,070 x 2,500 mm (W x D x H)	1,560 x 1,070 x 2,500 mm (W x D x H)
Weight	500 kg (without castors) Maximum castor weight: 3.5 kg	700 kg (without castors) Maximum castor weight: 3.5 kg
Power requirements	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz
Reels	4-7" reels: 8-72 mm tape width 11-15" reels: 8-72 mm tape width	4-7" reels: 8-72 mm tape width 11-15" reels: 8-72 mm tape width
Maximum capacity	612 4-7" reels or a combination of 4-15 reels: up to 320 4-7" reels and 146 11-15" reels (8 mm tapes only)	932 4-7" reels or a combination of 4-15" reels: up to 480 4-7" reels and 226 11-15" reels (8 mm tapes only)
Speed	9-11 seconds per reel	9-11 seconds per reel

OPTIONS

MSD Option

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