

ASMPT enabling the
digital world



Material Tower

The flexible storage system
for the intelligent factory

THE NEW GENERATION MATERIAL TOWER

THE FLEXIBLE AND SCALABLE MATERIAL STORAGE SYSTEM

As a next-generation automatic storage system, the Material Tower sets new standards. With its modular design and flexible scalability, it excels as an ideal line-adjacent component supply system and can also serve as a factory-level fully integrated reel storage system.

The Material Tower easily adapts to any production requirements. Designed for automation integration, it supports classic manual interactions as well as fully automated, robotic material flow processes in the intelligent factory.

YOUR BENEFITS AT A GLANCE

- High capacity: Up to 928 7" reels or 464 15" reels, automatically adapting for diameter and tape width
- Efficient: Setup-optimized interactions of up to 40 reels per cassette
- Versatile: Scalable from standalone to multiple linked tower operation using chaining interfaces
- Future-oriented: Batch unit supports interaction with AMRs

Single
reels

MODULAR AND SCALABLE



MULTIPLE TOWERS CAN BE CONSOLIDATED INTO A SINGLE STORAGE SYSTEM

Clustering – the intelligent networking solution

Intelligent software combines multiple modules into a single integrated system.

Chaining – intelligent material transfers

Adjacent towers transfer material via an integrated transfer arm. Intelligent algorithms optimize the material within the system to minimize the frequency and duration of material withdrawals.

Flexible allocation of interaction

You determine the number and type of transfer points.



Modular storage system



Integrated
transfer arm

MAXIMUM FLEXIBILITY

Batch unit

Transfer to and from tower in cassettes – either manually or with an AMR

Interaction as needed

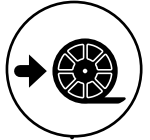
Transfer points for manual operation (single or batch unit), for autonomous transport systems (batch unit), or a combination thereof.

Move reels individually or in setup-optimized cassettes

Transfer material to and from storage in cassettes holding up to 40 reels. This simplifies and accelerates your logistics processes considerably.

MSD support

Storage for moisture-sensitive devices as standard, including the monitoring and administration of exposure times.



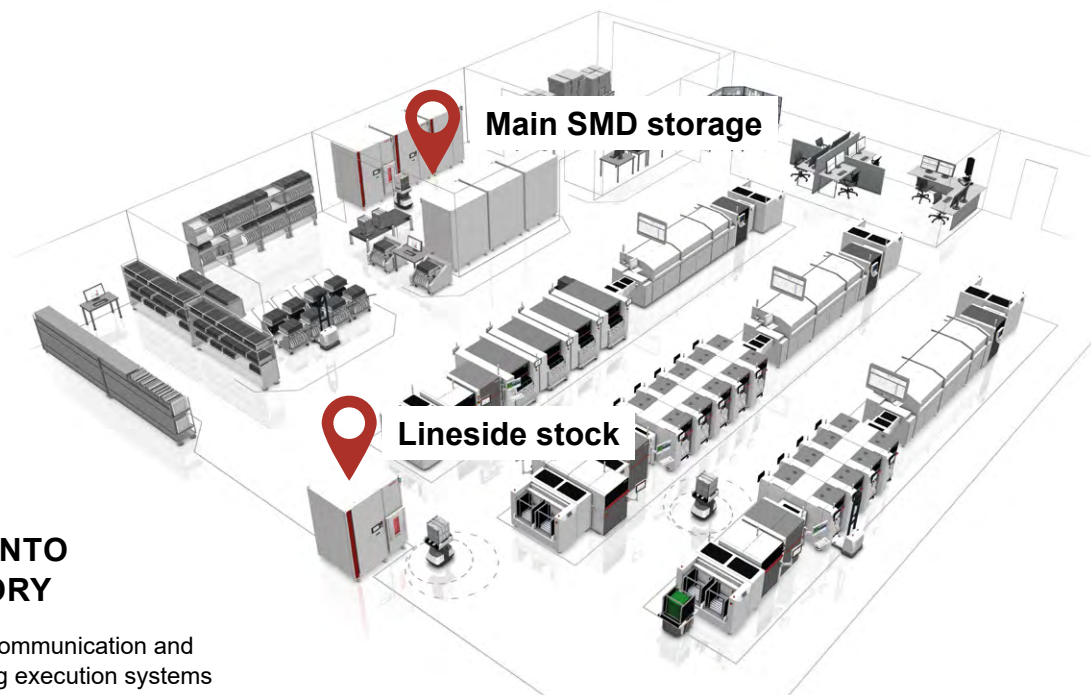
WORKS
SOFTWARE SUITE



SMART INTEGRATION

PERFECT INTEGRATION INTO ANY INTELLIGENT FACTORY

- Open interfaces for comprehensive communication and interaction with various manufacturing execution systems
- Fully integrated into the WORKS Software Suite.
- Operates as a standalone or connected to a material management solution from ASMP T, as well as third-party providers via an open interface.
- Not just for ASMP T lines: Comprehensive support for communication-capable third-party hardware.



More about the
Material Tower



MATERIAL TOWER



Technical data	
Storage capacity	Up to 928 7" reels or 464 15" reels, automatically adapting for diameter and tape width
Components	Reel diameter from 4" to 15", tape width 4 mm to 72 mm, boxes for trays or sticks
Material output	Single unit or AMR-ready batch unit
Options	AMR-ready batch unit, tower chaining
Dimensions	1,850 mm (W) x 1,500 mm (D) x 2,500 mm (H)
Modes	Standalone or linked as central storage
Storage/retrieval time	2-3 reels per minutes

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