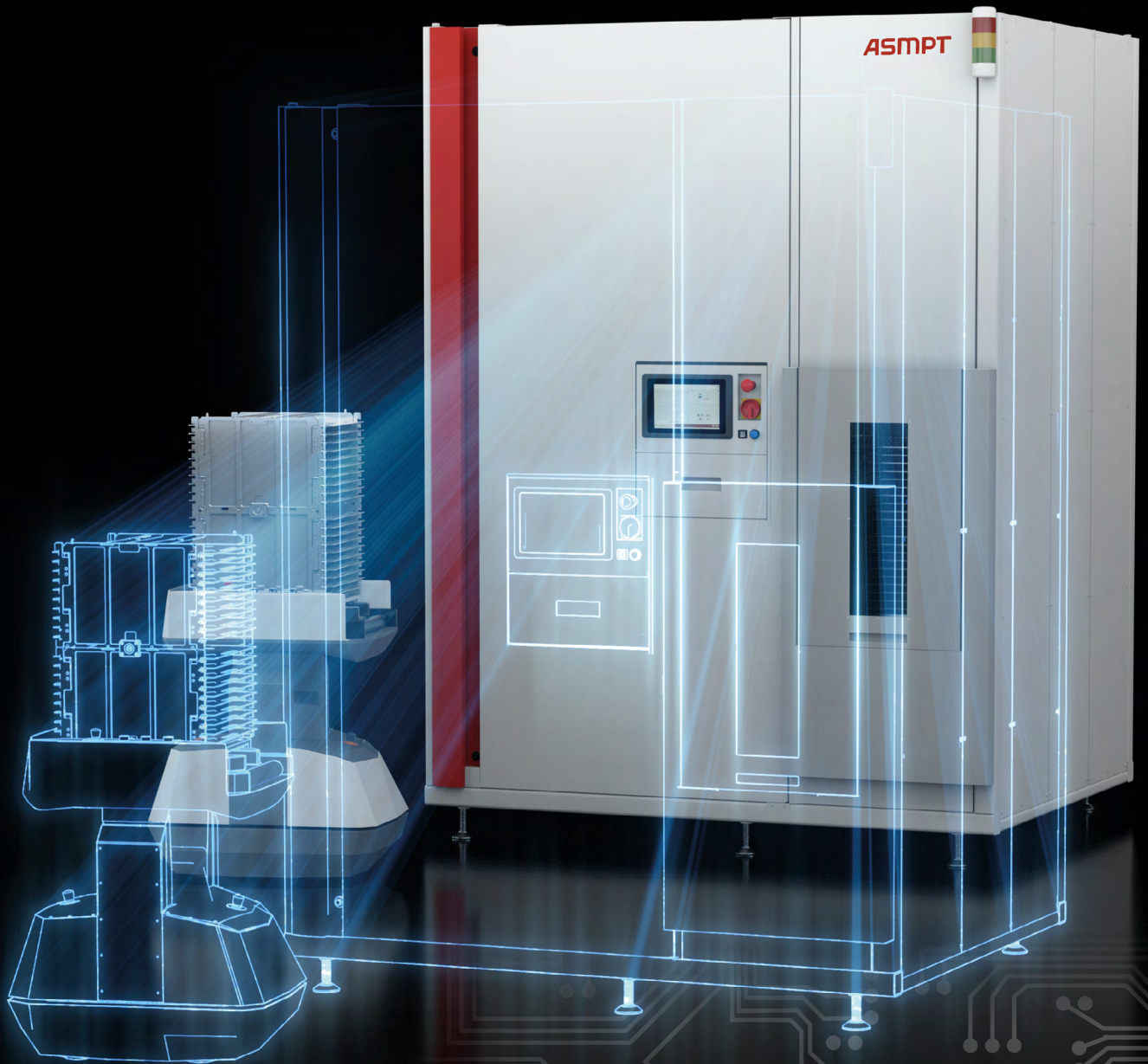


**ASMPT** enabling the  
digital world



# Material Tower

The flexible storage system for  
the Integrated Smart 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 can be used as a speedy, line-adjacent component supply system and/or as a fully integrated main storage system for electronics factories of all sizes.

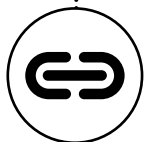
The Material Tower easily adapts to any production requirements. Designed for AMR changing needs, it supports classic manual material withdrawals as well as fully automated, AMR-supported material flow processes in the integrated smart factory.

## YOUR BENEFITS AT A GLANCE

- High capacity: Up to 928 7-inch reels or 464 15-inch reels
- Efficient: Setup-optimized removals and returns of up to 30 reels in magazines
- Versatile: Scalable from standalone operation to multi-unit operation as the main AMR storage system
- Future-oriented: I/O ports for manual and automated processes with support for AMR

Single  
reels

## MODULAR AND SCALABLE



**MULTIPLE TOWERS CAN BE CONSOLIDATED INTO  
A SINGLE UNIT, BOTH PHYSICALLY AND VIRTUALLY**

### Clustering – the smart networking solution

Smart software combines multiple modules into a single integrated system.

### Chaining – smart material transfers

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

### Flexible allocation of I/O ports

You determine the number and type of I/O ports.



**Modular storage system**



**Integrated  
conveyor  
module**

# MAXIMUM FLEXIBILITY

## Batch unit

Transfer to and from stock in batch units – manually or robot-supported

## I/O ports as needed

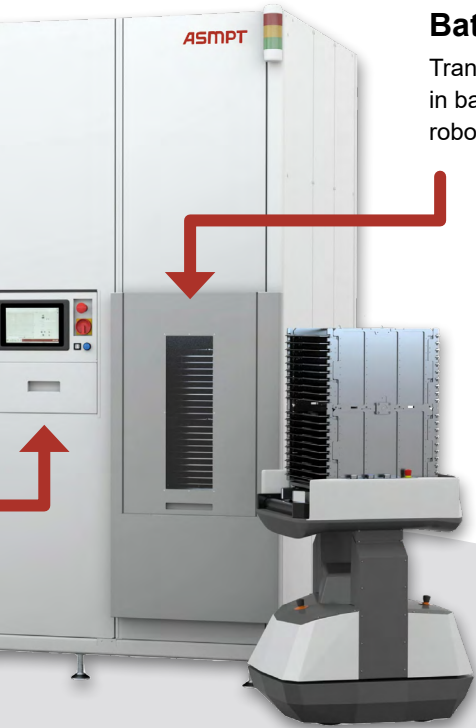
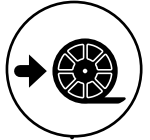
Transfer points for manual operation (single or in batch units), for autonomous transport systems, or a combination thereof.

## Move reels individually or in setup-optimized batch units

Transfer material to and from stock in batch units holding up to 30 reels. This simplifies and accelerates your logistics processes considerably.

## MSD option

Storage options for moisture-sensitive devices, including the monitoring and administration of exposure times



# WORKS



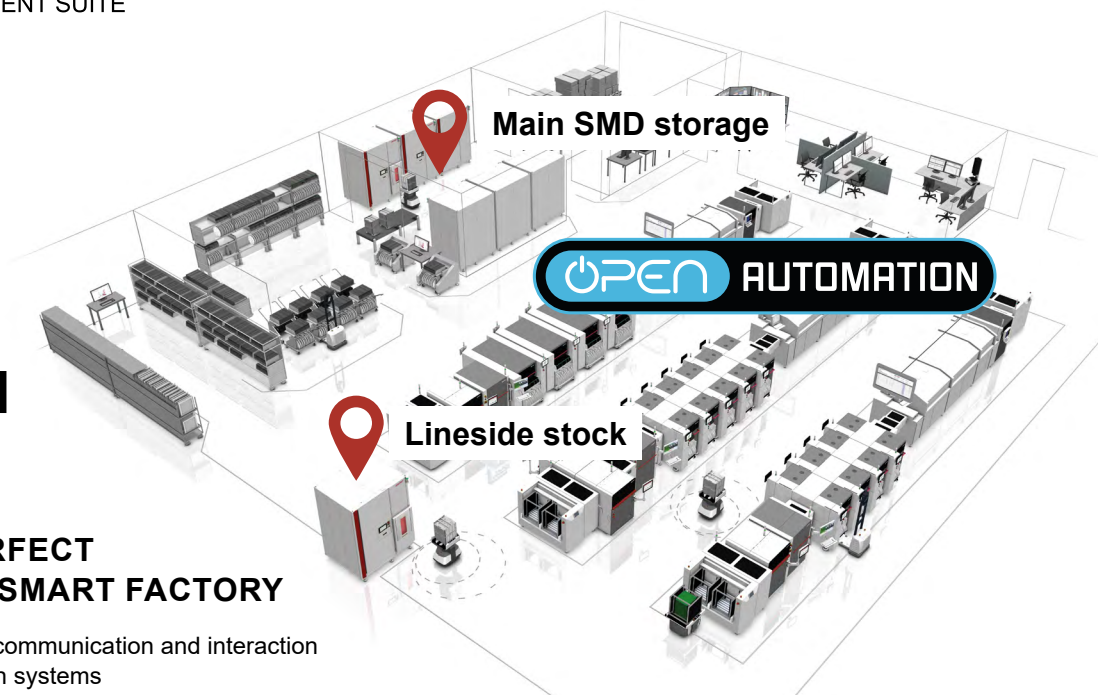
SMART SHOPFLOOR  
MANAGEMENT SUITE



## SMART INTEGRATION

### OPEN AUTOMATION: PERFECT INTEGRATION INTO ANY SMART FACTORY

- Open interfaces for comprehensive communication and interaction with various manufacturing execution systems
- Fully integrated into the Smart Shopfloor Management Suite WORKS.
- Operates as a standalone unit or connected to WORKS Material Manager, the leading material flow solution, as well as third-party solutions via an open interface.
- Not just for SIPLACE and DEK lines: Comprehensive support for communication-capable third-party hardware with the Factory Automation software module.



More about the  
Material Tower



# MATERIAL TOWER



Technical data	
Storage capacity	Up to 928 7-inch reels or 464 15-inch reels
Components	Reels (size from 4 to 15 inches, tape width 4 to 72 millimeters), trays and sticks
Material output	In single units or via batch unit ready for AMR
Options	MSD, batch units ready for AMR, 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	Less than 20 seconds per reel

## ASMPT

ASMPT GmbH & Co. KG  
Rupert-Mayer-Strasse 48 | 81379 Munich | Germany | Phone: +49 89 20800-22000 | Email: [smt-solutions.de@asmpt.com](mailto:smt-solutions.de@asmpt.com)



ASMPT SMT Solutions  
Website

[smt.asmpt.com](http://smt.asmpt.com)



ASMPT  
Website

[asmpt.com](http://asmpt.com)



ASMPT SMT Solutions  
LinkedIn

[www.linkedin.com/  
company/  
asmpt-smt-solutions/](https://www.linkedin.com/company/asmpt-smt-solutions/)



ASMPT SMT Solutions  
Facebook

[www.facebook.com/  
ASMPSTSMTolutions](https://www.facebook.com/ASMPSTSMTolutions)



ASMPT SMT Solutions  
YouTube

[www.youtube.com/c/  
ASMPSTSMTolutions](https://www.youtube.com/c/ASMPSTSMTolutions)

Edition 3/06-2023 | All rights reserved. All rights reserved. | Order No.: A22-ASMPT-A317-EN | Printed in Germany | © ASMPT GmbH & Co. KG

All information and illustrations in this brochure are provided "as is" and without any warranties of any kind, whether expressed or implied, including but not limited to, implied warranties of satisfactory quality, fitness for a particular purpose and/or correctness.

The contents of this brochure are for general information purposes only, do not constitute advice, and are subject to change without notice. ASMPT therefore makes no warranties or representations regarding the use of the content, details, specifications or information contained in this brochure in terms of their correctness, accuracy, adequacy, usefulness, timeliness, reliability or otherwise, in each case to the fullest extent permitted by law. Please contact ASMPT for the most current information. Any specific performance features and/or capabilities will only be binding if contractually agreed upon.

All product names are brands or trademarks of ASMPT or other suppliers. Unauthorised use by third parties may violate the rights of their owners.