

ASM



ENABLING THE DIGITAL WORLD

ASM Material Tower

The flexible storage system for the integrated smart factory

THE NEW GENERATION ASM MATERIAL TOWER

THE FLEXIBLE AND SCALABLE MATERIAL STORAGE SYSTEM

As a next-generation automatic storage system, the ASM 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 ASM Material Tower easily adapts to any production requirements. Designed for changing needs, it supports classic manual material withdrawals as well as fully automated, AIV-supported material flow processes in the integrated smart factory.

YOUR BENEFITS AT A GLANCE

- High capacity: Up to 960 7-inch reels or 480 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 storage system
- Future-oriented: I/O ports for manual and automated processes with support for AIVs

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. You can also modify them in existing systems.



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

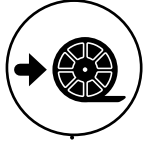
Transfer points for manual operation (single or in batch units), for autonomous transport systems, or a combination thereof.

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 can be added at anytime, including the monitoring and administration of exposure times.



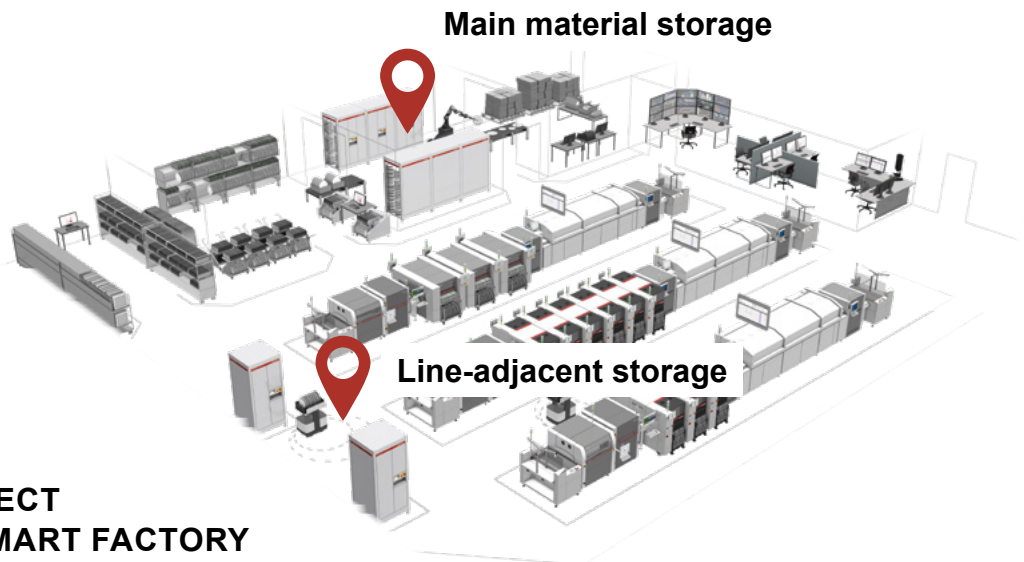
ASM WORKS
SMART SHOPFLOOR
MANAGEMENT SUITE



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 ASM Works Shopfloor Management Suite.
- Operates as a standalone unit or connected to ASM 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 ASM Factory Automation software module.



More about the
ASM Material Tower



ASM MATERIAL TOWER



Technical data

Storage capacity	Up to 960 7-inch reels or 480 15-inch reels
Reel sizes	Diameter: 4 inches to 15 inches. Width: 4 mm to 72 mm
Material output	In single units or via standardized/robot batch unit
Options	MSD, standard/robot batch units, 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



ASM
Website

www.asm-smt.com



ASM
LinkedIn

[www.linkedin.com/
company/asm-assembly-
systems](http://www.linkedin.com/company/asm-assembly-systems)



ASM
Facebook

[www.facebook.com/
ASMAsssemblySystems](http://www.facebook.com/ASMAsssemblySystems)



ASM
YouTube

[www.youtube.com/c/
ASMSMTSolutions](http://www.youtube.com/c/ASMSMTSolutions)

www.asm-smt.com

ASM Assembly Systems GmbH & Co. KG

Rupert-Mayer-Strasse 44 | 81379 Munich | Germany | Phone: +49 89 20800-27819 | E-mail: smt-solutions.de@asmpt.com

Issue 1/01-2022 | All rights reserved. | Order No.: A10011-ASM-A136-EN | Printed in Germany | © ASM Assembly Systems GmbH & Co. KG

The information in this brochure consists only of general descriptions and/or performance features which may not always apply to concrete products as described or which may change as a result of technical developments or advances. Any specific performance features and/or capabilities will only be binding if contractually agreed upon. All product names are brands or trademarks of ASM Assembly Systems GmbH & Co. KG or other suppliers. Their use by third parties may violate the rights of their owners.