SCI
SCHILLER CLEANROOM INTRALOGISTICS
clean moving.

VARIO STOCKER

Variable length for maximum flexibility



Technical data and illustrations not binding for deliveries. Subject to change without notice.

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System Specifications

Technical Data	
Compatible Carrier Types	HA 200 / FOUP / FOSB / SMIF / Other
ISO Class (ISO14644)	5
Length	15 m
Width*	* 1295 mm – 2500 mm
Height	** 6,0 m
Average delivery rate	20 sec
Interfaces	SEMI-E88 MCS / SEMI-E84 Transfer
Control System	Siemens TIA / Simatic WinCC Unified
Inventory Management	SWarePro
Power Consumption	5 kW

* Depends on carrier type and whether it's single or double deep
** Custom adjusted heights possible

Key Benefits

- Configuration and design optimized to customers' requirements.
- Maximum uptime
- Low cost of ownership
- High storage density
- Vibration free transport
- Fast installation and commissioning thanks to modular design
- Virtual commissioning at our headquarters with customer connectivity available

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Application

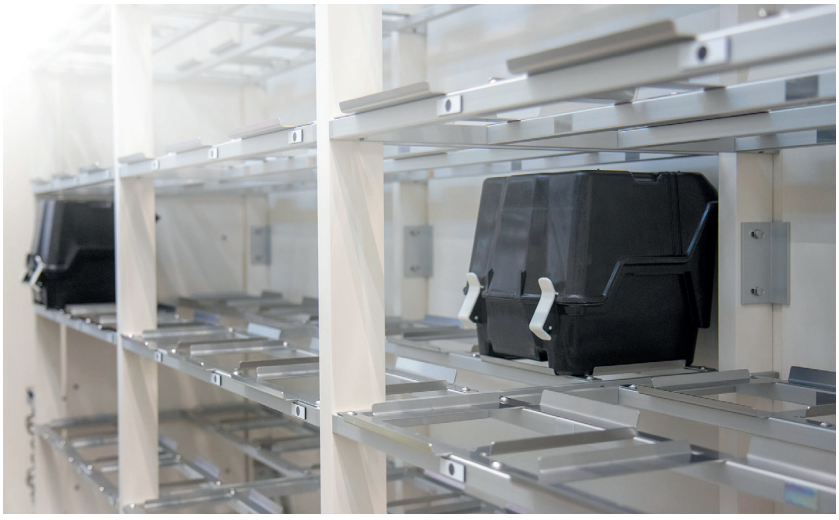
The Vario Stocker is designed to meet even the most demanding requirements for a wide range of room sizes and facility layouts.

Up to two sides of the system can be installed directly against existing cleanroom walls. With an end-face integration, attachment on up to three sides is possible.

The purge functionality can be integrated from the outset or added at any time as an optional feature.

Maximum availability and productivity are achieved through an optional second autonomous handler. This built-in redundancy ensures reliable operation while maximizing the overall performance of the system.

Storage Spaces (L: 8m / H: 6m) / Max: (L: 15m / H: 6m)	
HA 200 single deep	864 / Max 1728
HA 200 double deep	1728 / Max 3456
FOUP single deep	360 / Max 744
FOUP double deep	720 / Max 1488
SMIF single deep	660 / Max 1290
SMIF double deep	1320 / Max 2580
Carrier types	We adapt to different carrier types and customer specifications
Depends on carrier type.	





The Vario Stocker can have single or double deep shelves, offering a variable number of storage possibilities with a compact footprint. The storage up to ISO class 5 ensures a contamination free storage in a vibration free environment. The automated retrieval governed by the EMS minimizes manual handling and eliminates the risk of errors.

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System Extras and Configuration Options

Extras
Manual ports (rotary gates) | Intrinsically safe and without interrupting operations
OHT I/O connections | Via a conveyor, double turntable, or third-party equipment
Magnetic Conveyor extensions
FFU (Fan filter units) in different ISO classes
Fire Warnings / smoke extraction / security systems
Cameras
Extra door
Extra computer administration point
Connection to other equipment ports
Docking stations for batch transport carts

Key Benefits

- ★ Enhanced process efficiency
- ★ Minimizing breakages and contamination
- ★ Improved supply chain management
- ★ Extremely high storage density (storage locations per m^2)
- ★ Lightweight design

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Our commitment to Industry 4.0

- Our systems support IoT
- Interconnected Systems
- Data Security
- End-to-end visibility
- Preventative maintenance software and analytics

Our commitment to the Environment

- Energy efficiency
- Reduced carbon footprint through our corporate philosophy,
  using local providers, minimizing packaging,
  electric cars

Summary: SCI Vario Stocker

The Vario Stocker is available in a variety of configurations adjusting to different carrier and tool types. Each system can be customized to suit your applications and requirements, including the seamless integration of sorters, docking stations, and other system components.

MORE INFORMATION

email sci@schiller.de
web sci.schiller.de

Website and Videos:
Learn more and discover how the SCI Cleanroom Systems work!

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