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LINEAR STOCKER

The scalable decentralized storage system
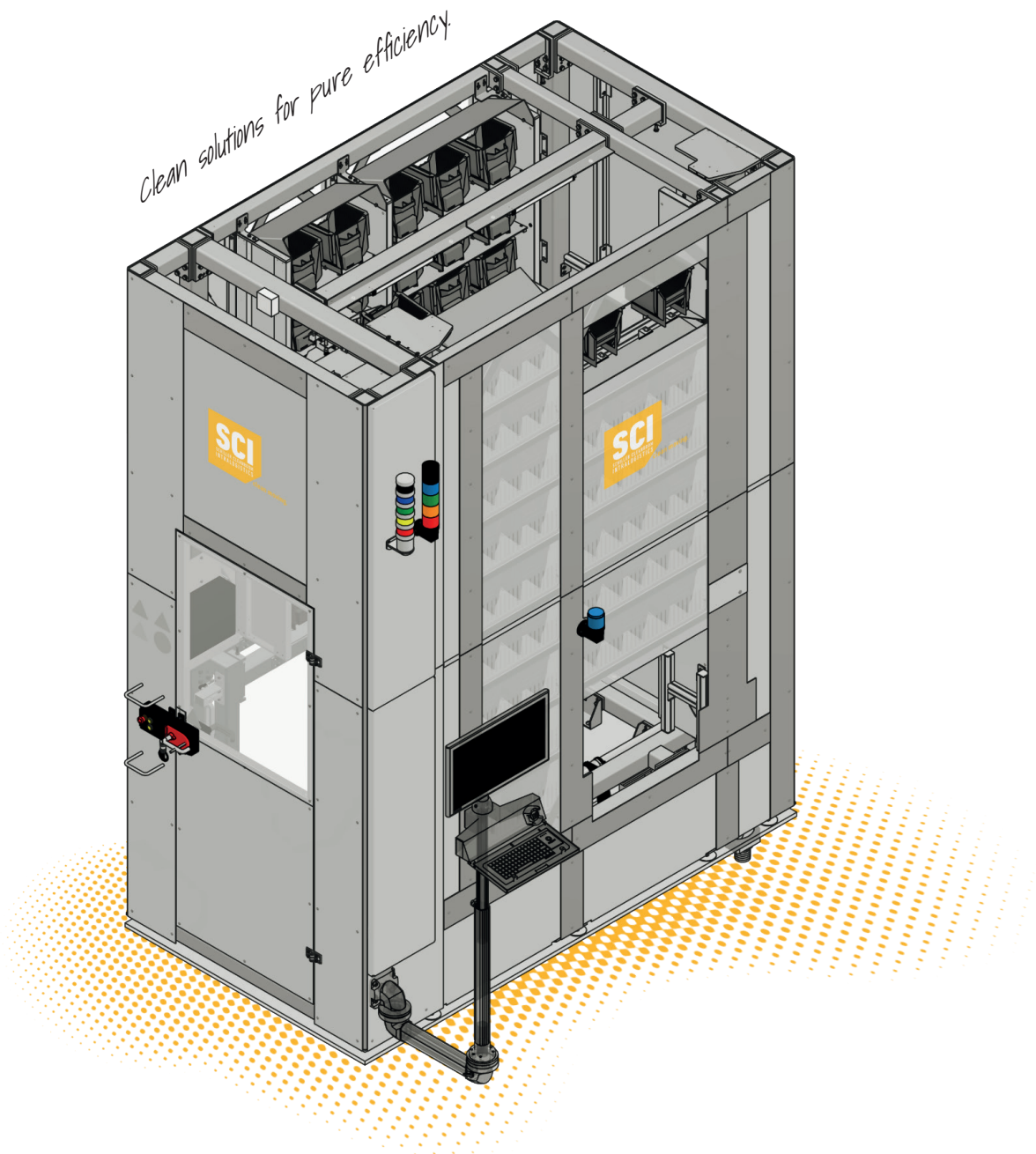
Clean solutions for pure efficiency.

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System Specifications

Technical Data	
Compatible Carrier Types	HA 200 / OC / FOUP / FOSB / Other
ISO Class	4 / 3
Length	Max 7,8 m
Width*	* 1,4 – 2,66 m
Height	** 6,0 m
Average delivery rate	22 sec.
Interfaces	SEMI-E88 MCS / SEMI-E84 Transfer
Control System	Siemens S7 PLC
Inventory Management	SWarePro
Power Consumption	8 kW

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

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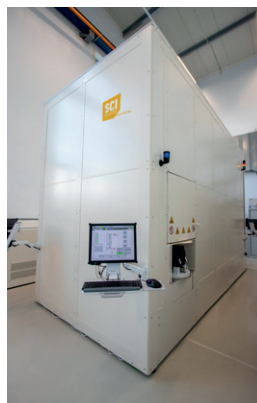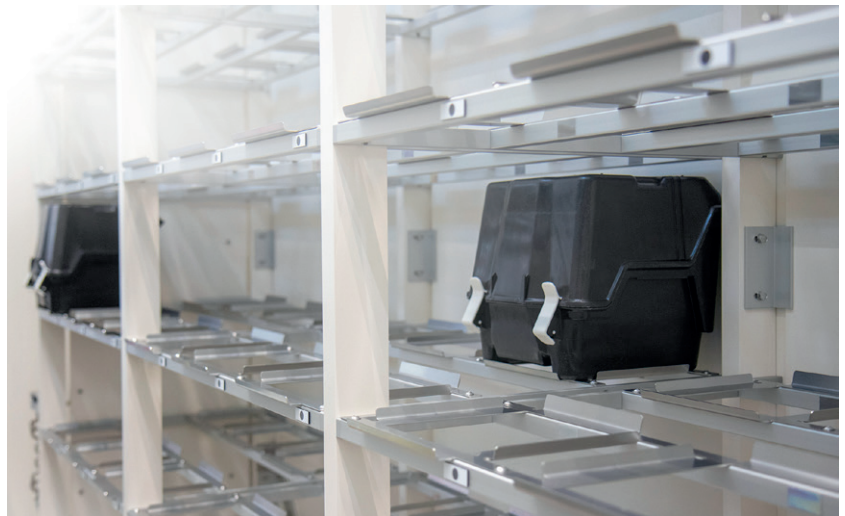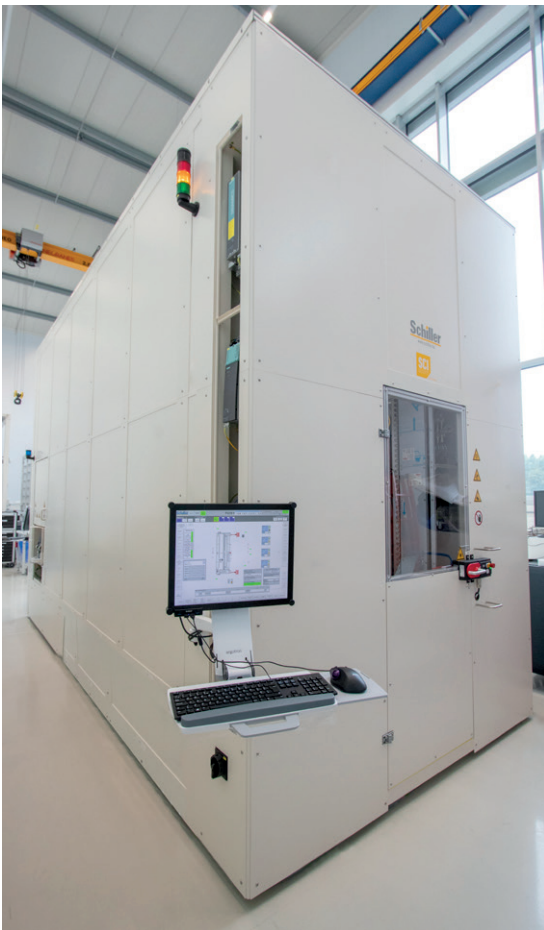Schiller Automatisierungstechnik GmbH · Donau-Gewerbepark 30 · D-94486 Osterhofen

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Application

The Linear Stocker is our midsized storage system designed for the automated storage and retrieval of semiconductor wafer carriers, tools or reticles, throughout various stages of the manufacturing process. This is a support system of precision and efficiency paramount in the production of microelectronic devices, serving as a bridge between different tools and equipment, that ensures a smooth flow of production while maintaining product integrity and cleanliness.

Storage Spaces	
HA 200 / OC single deep	Max 756
HA 200 double deep	Max 1512
FOUP single deep	Max 308
FOUP double deep	Max 616
Carrier types	We adapt to different carrier types and customer specifications
Depends on carrier type.	

Key Benefits

Configuration and design optimized to customers' requirements.

Maximum uptime

Low cost of ownership

High storage density

Vibration free transport

The Linear 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 3 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)
OHT I/O connections
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

Key Benefits

★ | Enhanced process efficiency

★ | Minimizing breakages and contamination

★ | Improved supply chain management

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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 Linear Stocker

The Linear 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.

MORE INFORMATION

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

Website and Video:
Get more information and see
how the Linear Stocker
works!

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