

# SCI

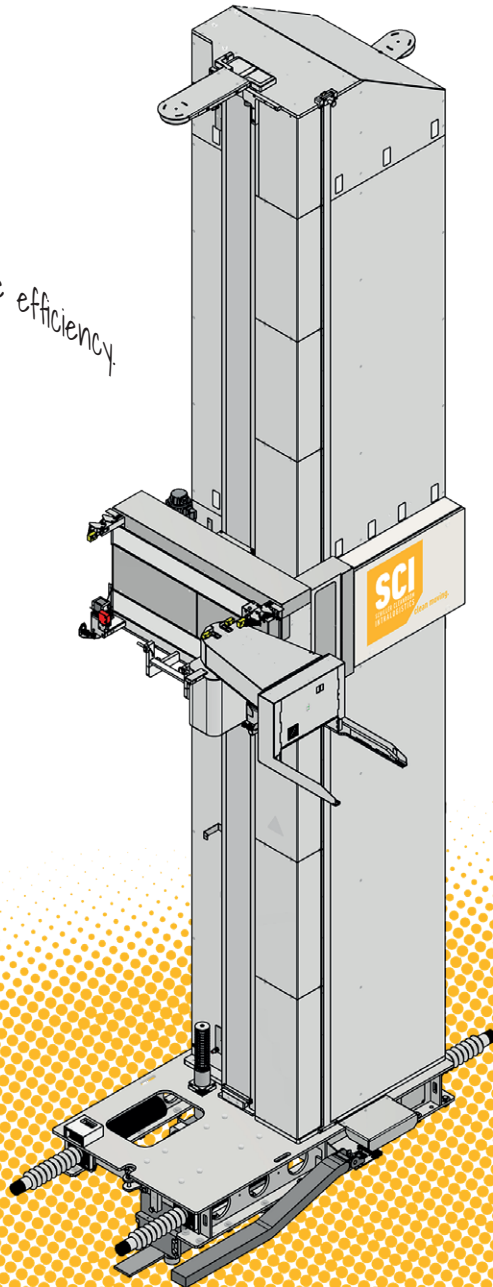
SCHILLER CLEANROOM  
INTRALOGISTICS

clean moving.

# MAX STOCKER

The largest storage system on the market

*Clean solutions for pure efficiency.*



DATASHEET · EN · 231012 · MAX STOCKER · 1/5

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

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

Member of

**SCIO**<sup>®</sup>  
AUTOMATION

## System Specifications

Technical Data	
Compatible Carrier Types	FOUP / FOSB
ISO Class	5
Length	Max 47 m
Width*	2,75 m
Height	6,1 m
Average delivery rate	* 20 - 25 sec.
Interfaces	SEMI-E88 MCS / SEMI-E84 Transfer
Control System	Siemens S7 PLC
Inventory Management	SWarePro
Power Consumption	8.4 kW
* Depends on carrier type and if single or double towers	
** Custom adjusted heights possible	



## Application

The Max Stocker is our largest storage system designed for the automated storage and retrieval of semiconductor wafer carriers throughout various stages of the manufacturing process. It is also currently the largest stocker of its kind on the market. This is a support system of precision and effi-

ciency 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	
FOUP single deep	Variable according to request
FOUP double deep	Variable according to request

## Key Benefits



Configuration and design optimized to customers' requirements.



Maximum uptime



Low cost of ownership



High storage density



Vibration free transport

The Max 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 envi-

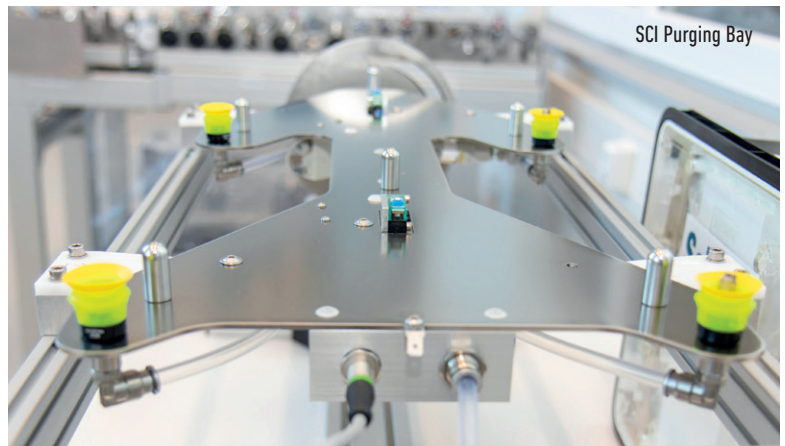
ronment. The Automated retrieval governed by the EMS minimizes manual handling and eliminates the risk of errors.

## 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
Nitrogen purging ports
Fire Warnings / smoke extraction / security systems
Cameras
Extra door
Extra computer administration point
Bare Wafer Sorter
Dockingstation for transport trolley / cart
Connection to other equipment ports

## Key Benefits

- ★ Enhanced process efficiency
- ★ Minimizing breakages and contamination
- ★ Improved supply chain management





## 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 Max Stocker

The Max 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](mailto:sci@schiller.de)

web [www.schiller.de](http://www.schiller.de)



*Website and Video:*

Get more information and see how the Max Stocker works!