



Your business

Research > Production

- ✓ Semiconductor:
Wafer, Masks, Carrier
- ✓ Nano- & Biotechnology:
sample holder
- ✓ Materials research
- ✓ Surface analysis
- ✓ Device testing
- ✓ Optics
- ✓ Photovoltaic: solar cells

Your benefits

- ✓ Newest technologies
are build in
- ✓ Compact and stable design
- ✓ Low initial costs
- ✓ User-friendly
- ✓ Various configuration options
- ✓ High reliability
- ✓ High productivity
- ✓ Applicable at once
- ✓ Ergonomic design
- ✓ Assistance by integration into

LLM330 Load Lock Module

Specification

LLM330 Layout [12+1]-TYPE

Dimensions
Example for [12+1] pcs. of carriers:

Carrier D330
W x H x D =
650mm x 850mm x 500mm

(depends on
customized configuration).



Standard version

- ✓ Precision guides
- ✓ Dynamic drives
- ✓ Sinusoidal movement profiles
- ✓ Robust construction
- ✓ Compact design

Options

- ✓ Special carrier solutions :
 - with in-situ measurement
 - high temperature version
 - active heated carrier
- ✓ Different cassette types available
- ✓ Mapping
- ✓ Integrated valve to handler chamber

Specification	standard	options
Temperature	+20 ... +50°C	-60 ... +250°C
Vacuum / leakage rate	5x10-6 mbar x l/s	5x10-7 mbar x l/s
Substrates	Wafer, Wafer parts, single chips	
Substrate material	Ceramic, Silicon, Glass, ...	
Diameter	...300 mm	...450 mm
Thickness	0,5...1,0 mm	0,05 ... 2,0mm
Payload	2,5 kg	> 10 kg
Carrier	Clamping ring	Flex clamping solution
Carrier material	Aluminum, Stainless steel, Copper, Brass	Ceramic, Sapphire, Glass, ...
Cassette options	—	Mapping
Number of substrates / cassette	12+1 pcs. for 10mm high	5 ... 20 pcs.

The **LLM330 Load Lock Module** is a customized designed carrier stocker system for research and production use.

Based on a vertical stroke unit the **LLM330 Load Lock Module** allows continuous substrate handling for continuous processing.

Cluster systems, equipped with **LLM330 Load Lock Module** allow fully automated load and unload of a large number of substrates.

Let us now together start to lower your production costs and maximize the return of your assets: Adenso — solutions you need —

... our strategy

It is our strategic goal to create customer benefits by implementing innovative solutions.

Our offer:

Let's talk personally about your requirements and what we can do for you.

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