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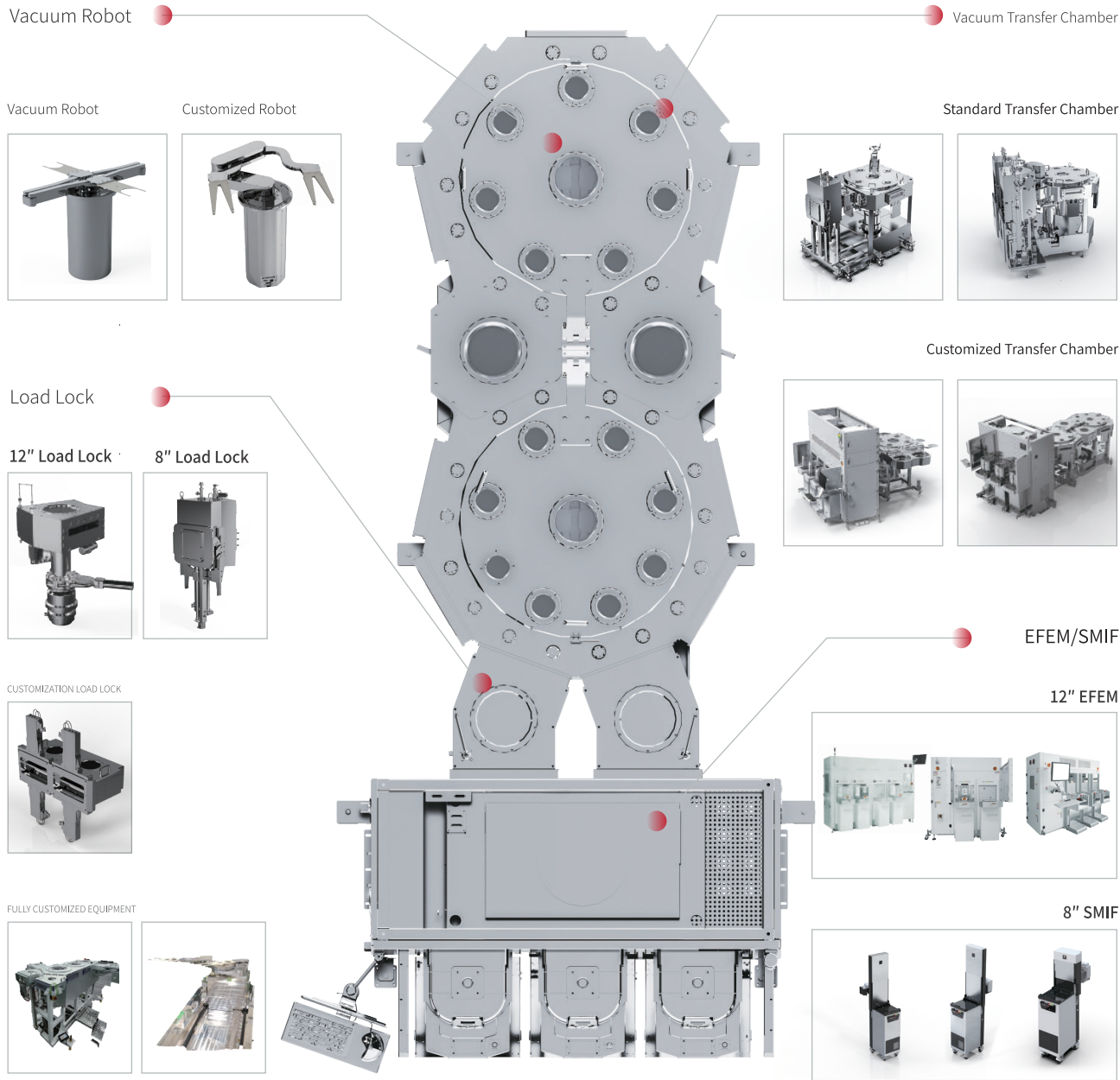
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REC:2.020241008



SEMICONDUCTOR VACUUM
TRANSFER SYSTEM



CUSTOMIZED SOLUTIONS

- EFEM /SMIF can be optionally equipped at the equipment front end, with EFEM offering standard and custom types.
- Vacuum mechanical arms can be selected with different models and end effectors according to actual operating conditions.
- Load Lock can be chosen with different structures and transfer methods.
- Transfer chambers & Load Lock can include optional built-in directional / cooling / pre-heating modules.
- Customized transfer chambers can be made according to actual process chamber requirements.
- Optional features include AWC functionality, Buffer functionality, wafer storage modules.

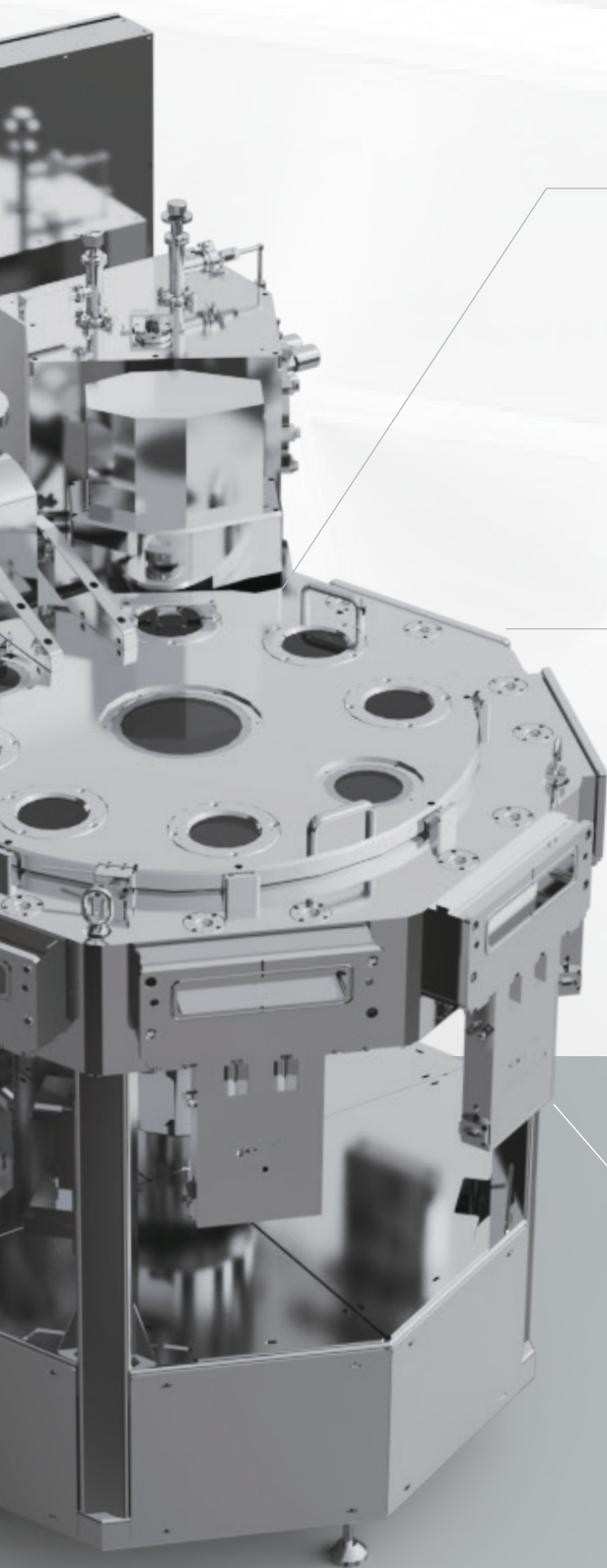
CUSTOM INFO

Company name		Company Add.	
Contact person		Postition	
Phone number		E-mali	

CUSTOM REOUIREMENTS CONFIG

Process equipment type	☐ PVD ☐ CVD ☐ ALD ☐ EBL ☐ Etch ☐ Other _____		
Wafer & Carrier Spec	Wafer Size	☐ 150mm (6 ") ☐ 200mm (8 ") ☐ 300mm (12 ") ☐ Other _____ mm	
	Wafer Type	☐ Normal _____ μm ☐ TAIKO _____ μm ☐ Other _____ Thickness _____ μm	
	Wafer Material	☐ Si ☐ SiC ☐ Glass ☐ Other _____ μm	
	Carrier Type	☐ FOUF/FOSB (SEMI) ☐ SMIF POD ☐ Open Cassette ☐ Other _____	
	Carrier Spec.	Maker _____ Model _____	
	Carrier Feeding	☐ Operator ☐ AGV ☐ OHT ☐ Other _____	
Transfer Moudle Spec	Primary Equipment	Cleanness	☐ ISO - Class 3 ☐ Other _____
		Docking PM Qty	☐ 1 ☐ 3 ☐ 4 ☐ Other _____
	Docking Load Lock Qty	☐ 1 ☐ 2 ☐ Other _____	
	Front-end Equipment	☐ EFEM ☐ SMIF ☐ None-opention ☐ Other _____	
Note			

Please fill out this form with the assistance of your account manager.

 Independent research and development and production of core hardware and software.

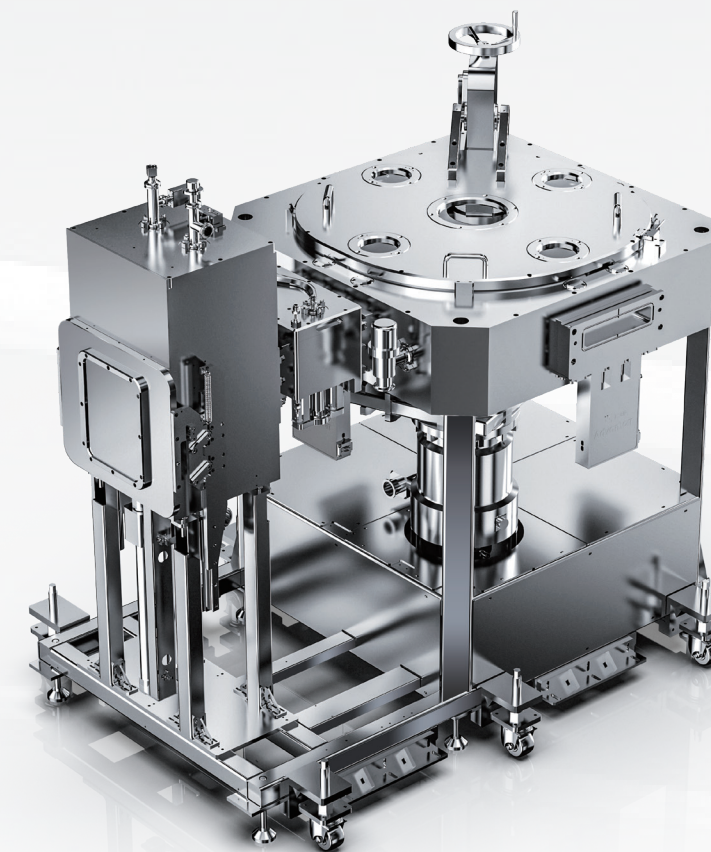
The core components of the vacuum transfer system are independently designed and developed by Fortrend, and assembled and produced at its own production base, achieving better delivery times and performance.

 Deeply rooted in the semiconductor field for many years, adaptable to most semiconductor front-end process equipment.

Fortrend has been deeply involved in the semiconductor transport field for over forty years, with equipment adapted to most semiconductor front-end processes. All production equipment complies with SEMI standards and adapts to the process requirements of various semiconductor/microelectronic material processing equipment, such as wafers/masks.

 Providing standardized modules and customized solutions to meet different requirements.

Fortrend vacuum transfer systems can provide standard solutions for process equipment integration and can also be customized according to customer requirements. Both software and hardware have mature solutions to choose from, meeting the needs of different process equipment and actual operating conditions.

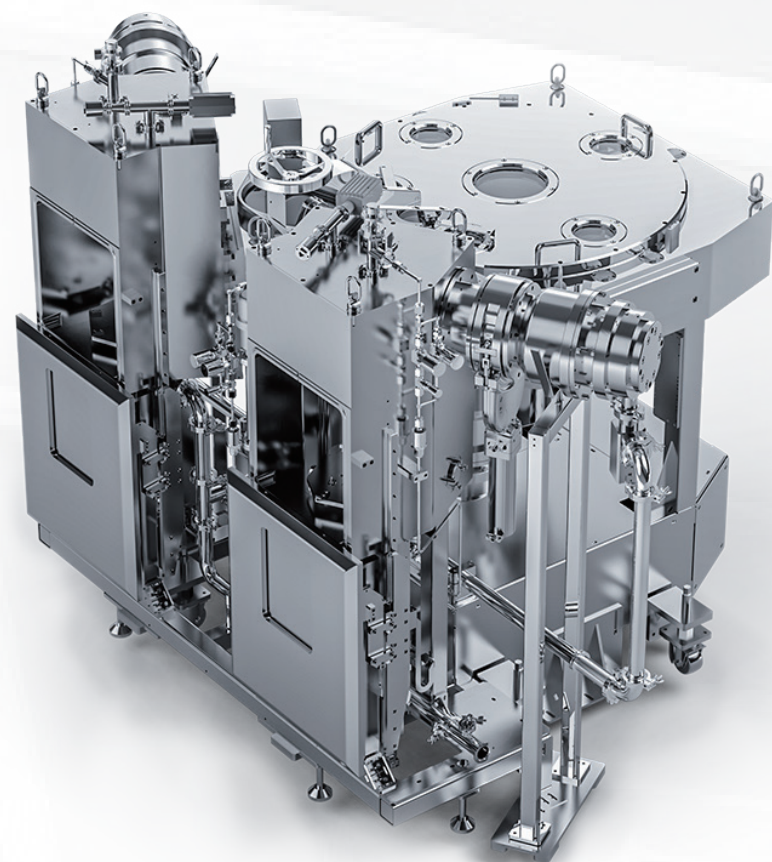


Quadrilateral Wafer Vacuum Transfer Platform

 SUITABLE FOR

- Wafers up to 200mm (including TAIKO, frame wafers), masks, and general semiconductor materials (such as photovoltaic silicon wafers, etc.)
- PVD, CVD, ALD, and other semiconductor front-end / general semiconductor process equipment.
- High cleanliness transmission, wafer surface cleanliness Class 1.
- Efficient and stable transmission, with a transmission efficiency of ≥ 200 pcs/h; Up time: $\geq 98\%$.
- Support localization substitution and customized customization.

Pentagon Standard Vacuum Transfer System

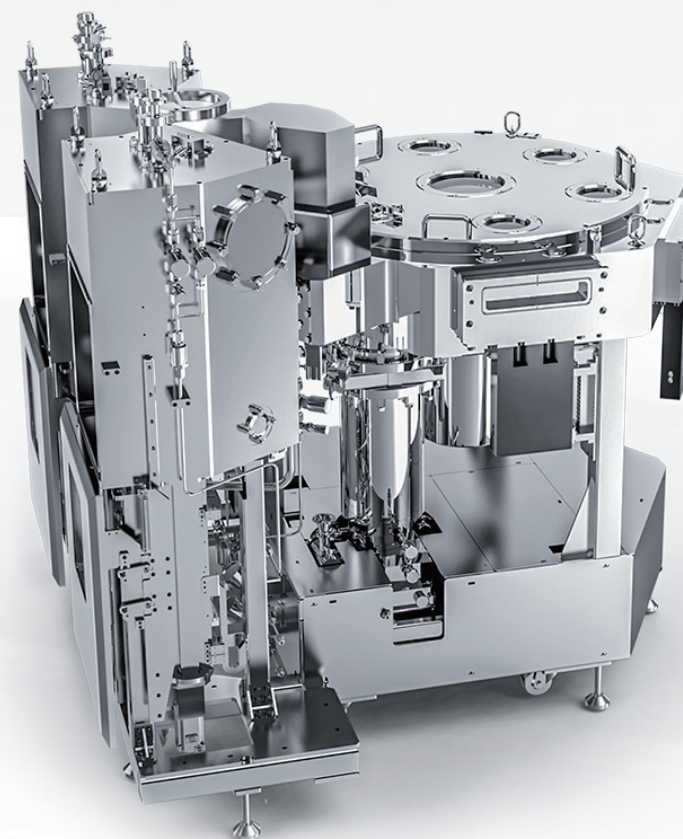


Pentagon Wafer Vacuum Transfer Platform

SUITABLE FOR

- Wafers up to 200mm (including TAIKO, frame wafers), masks, and general semiconductor materials (such as photovoltaic silicon wafers, etc.)
- PVD, CVD, ALD, and other semiconductor front-end / general semiconductor process equipment.
- High cleanliness transmission, wafer surface cleanliness Class 1.
- Efficient and stable transmission, with a transmission efficiency of ≥ 200 pcs/h; Up time: $\geq 98\%$.
- Support localization substitution and customized customization.

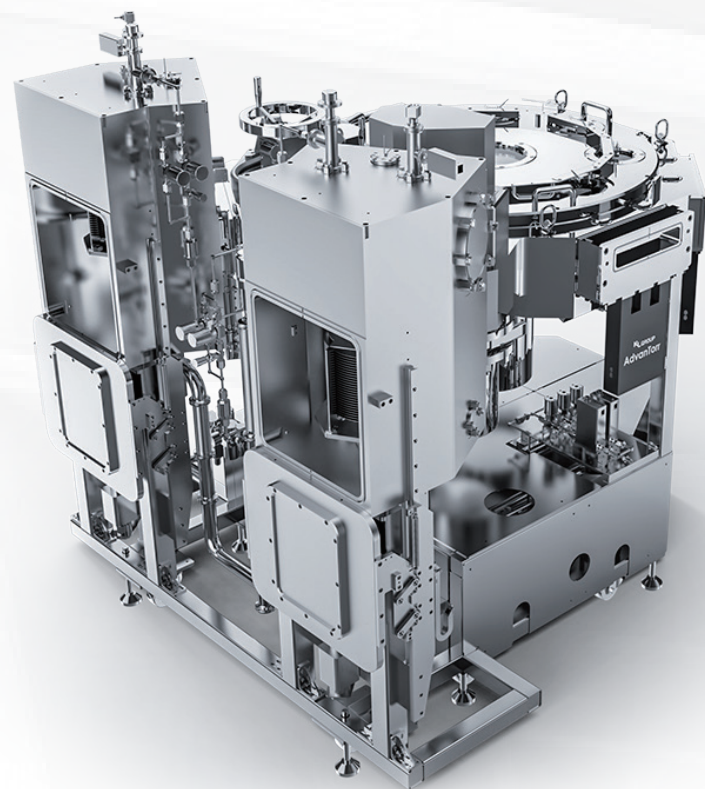
Hexagonal Standard Vacuum Transfer System



Hexagon Wafer Vacuum Transfer Platform

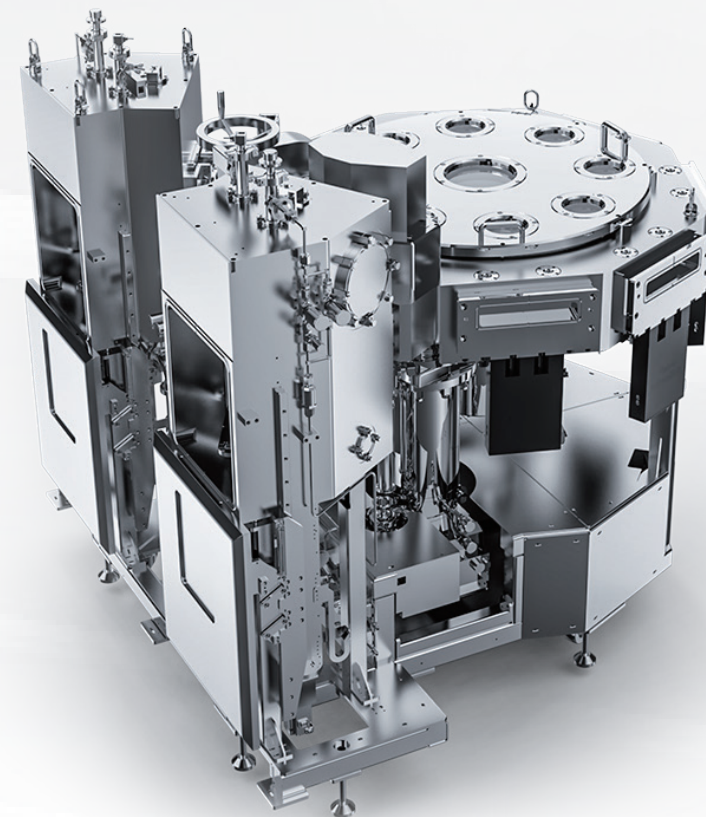
SUITABLE FOR

- Wafers up to 200mm (including TAIKO, framewafers), masks, and general semiconductor materials (such as photovoltaic silicon wafers, etc.)
- PVD, CVD, ALD, and other semiconductor front-end / general semiconductor process equipment.
- High cleanliness transmission, wafer surface cleanliness Class 1.
- Efficient and stable transmission, with a transmission efficiency of ≥ 200 pcs/h; Up time: $\geq 98\%$.
- Support localization substitution and customized customization.



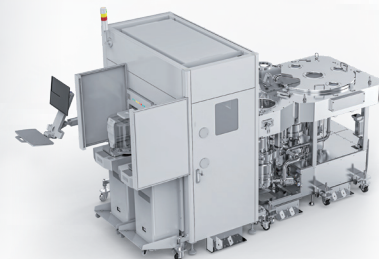
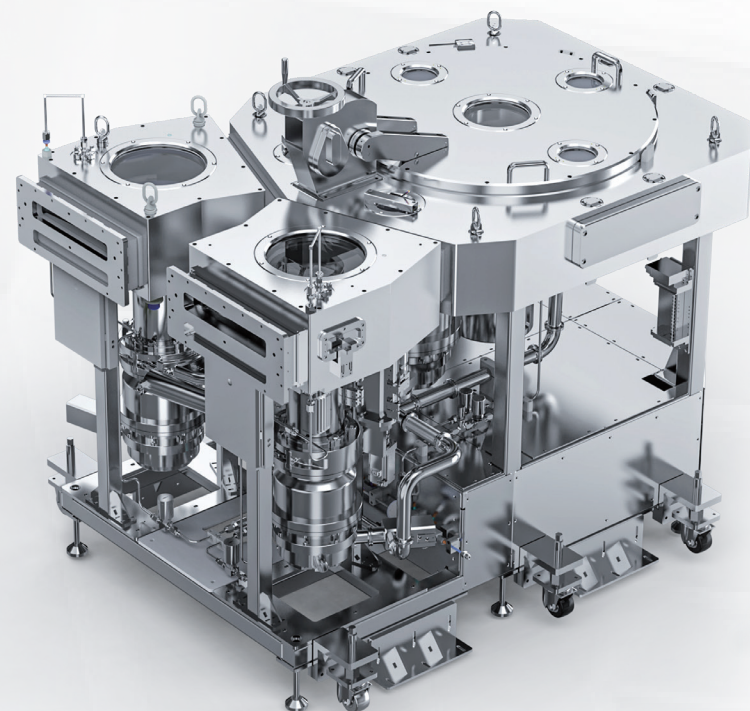
Heptagon Wafer Vacuum Transfer Platform

-  **SUITABLE FOR**
- Wafers up to 200mm (including TAIKO, frame wafers), masks, and general semiconductor materials (such as photovoltaic silicon wafers, etc.)
 - PVD, CVD, ALD, and other semiconductor front-end / general semiconductor process equipment.
 - High cleanliness transmission, wafer surface cleanliness Class 1.
 - Efficient and stable transmission, with a transmission efficiency of ≥ 200 pcs/h; Up time: $\geq 98\%$.
 - Support localization substitution and customized customization.

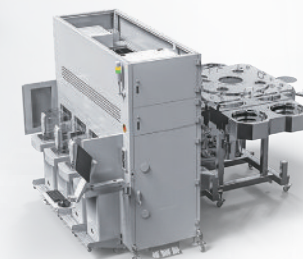
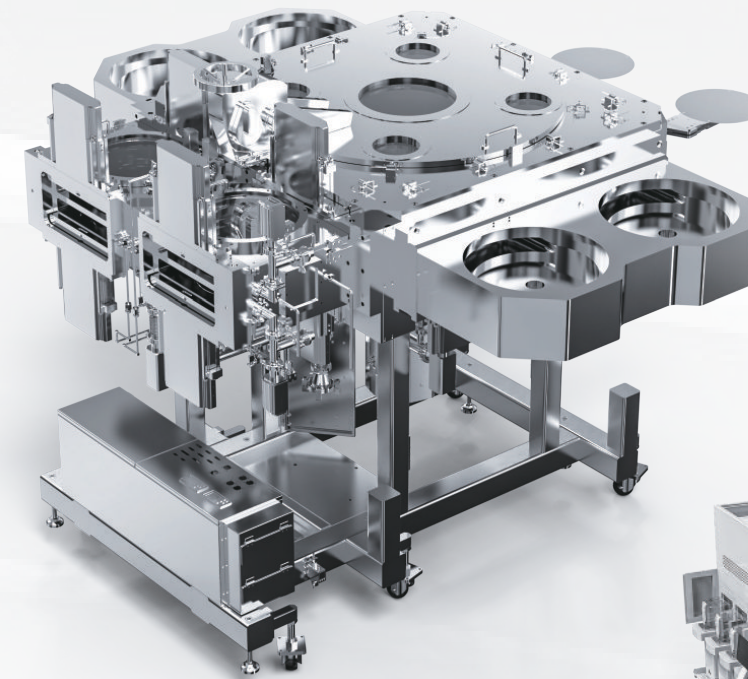


Octagon Wafer Vacuum Transfer Platform

-  **SUITABLE FOR**
- Wafers up to 200mm (including TAIKO, frame wafers), masks, and general semiconductor materials (such as photovoltaic silicon wafers, etc.)
 - PVD, CVD, ALD, and other semiconductor front-end / general semiconductor process equipment.
 - High cleanliness transmission, wafer surface cleanliness Class 1.
 - Efficient and stable transmission, with a transmission efficiency of ≥ 200 pcs/h; Up time: $\geq 98\%$.
 - Support localization substitution and customized customization.



Customized - Pentagonal Standard
Vacuum Transfer System (12-inch Wafer)



Customized - 12-inch
Dual-Feed Vacuum Transfer Module

Pentagonal Standard Vacuum Transfer System (12-inch wafer)

-  **SUITABLE FOR**
- Wafers up to 300mm (including TAIKO, frame wafers), masks, and general semiconductor materials (such as photovoltaic silicon wafers, etc.)
 - PVD, CVD, ALD, and other semiconductor front-end / general semiconductor process equipment.
 - High cleanliness transmission, wafer surface cleanliness Class 1.
 - Efficient and stable transmission, with a transmission efficiency of ≥ 200 pcs/h; Up time: $\geq 98\%$.
 - Support localization substitution and customized customization.

Dual-Feed Wafer Vacuum Transfer Platform

-  **SUITABLE FOR**
- Wafers up to 300mm (including TAIKO, frame wafers), masks, and general semiconductor materials (such as photovoltaic silicon wafers, etc.)
 - PVD, CVD, ALD, and other semiconductor front-end / general semiconductor process equipment.
 - High cleanliness transmission, wafer surface cleanliness Class 1.
 - Efficient and stable transmission, with a transmission efficiency of ≥ 200 pcs/h; Up time: $\geq 98\%$.
 - Support localization substitution and customized customization.