

PHT

Link To The World

PHT Inc.

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EFEM & Sorter



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Overview

Equipped with a high-performance AC servo motor, it achieves high-speed transport with ample carrying weight. The robot, load port, and hand can be optimally positioned. It inherits robot technology that has been in operation for over 20 years in harsh environments.

Model	TYK2102-2	TYK2102-3
Number of Ports	2 Ports	3 Ports
Transport Target	300mm Wafer Diameter: $\Phi 300 \pm 0.2\text{mm}$ Thickness: 775 μm	
Carrier	300mm FOUP 25 slots (SEMI E47.1) 300mm FOSB 25 slots (SEMI M31)	
Power Supply Voltage	Single phase AC200V $\pm 10\%$ 50/60Hz $\pm 5\%$	
Power Consumption	4kVA (20A/200VAC) including FFU	
Vacuum (original pressure)	-80kPa ~ -90kPa	
Vacuum (flow rate)	40L/min	50L/min
Positive pressure (original pressure)	0.6MPa - 0.7MPa	
Positive Pressure (flow rate)	20L/min	30L/min
EMO Contact Output	2 systems (dry contact)	
Interlock	8 inputs/8 outputs (insulated I/O)	

Features

- Capable of carrying one or two aligners, enabling high throughput
- Various variations, customizable
- Compatible with both 200mm and 300mm