

# YASKAWA

Your First Choice for Wafer Delivery  
Solutions

# SEMICONDUCTOR VACUUM applications

YASKAWA Electric Corporation, the Japanese top manufacturer founded in 1915, is a global leader in industrial automation & robotics. Our production sites are located worldwide with local technical support offices.

YASKAWA Europe Technology is the European semiconductor branch of Yaskawa. Our professional team is well experienced with the unique demands and needs of the semiconductor market as well as with the need for customized solutions and products.

## **OUR LOCAL EUROPEAN SUPPORT DELIVERS ALL THAT YOU NEED IN ONE PLACE!**





- Engineering & development
- Technical support
- Product training
- Long term support after implementation

## **WE OFFER COMPLETE SEMICONDUCTORS AUTOMATION SOLUTIONS FOR VACUUM APPLICATIONS**


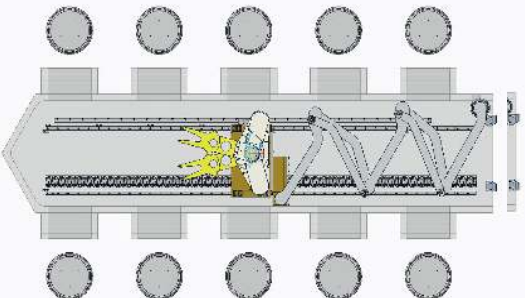
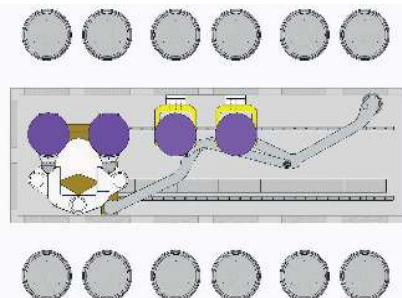
- Vacuum automation for different applications – etcher, CVD etc.
- Vacuum chambers - cluster type and linear modules (L-VTM)
- Small footprint, zero particle, high performance, high reliability and cost effective solutions for linear modules
- Customized end effectors
- AWC – on the fly centering mechanism
- Vacuum & atmospheric robots – large product variety that meets customers' specifications including Yaskawa's exclusive Gekko robot with passive grip features
- Various manufacturing equipment
- EFEM (Equipment front end module) mini environments ATM solutions
- Customization to different wafer size, type, substates
- Load ports, pre-aligners, FFU etc.

# YASKAWA Product Line up

## Gekko-VD Series

Specification		Gekko-VD31HQF	Gekko-VD31HDP	Gekko-VD31HDA	Gekko-VD31HDM
Gekko-VD Arm Series					
Movable range	R-Axis (CTC)	860mm	973mm	968mm	750.5mm
	T-Axis	360 deg.			
	Z-Axis	100mm or 150mm			
Min. Swing dia.		Φ980mm (@Wafer Dist. 550mm)	Φ975mm (@Wafer Dist. 566.2mm)	Φ855mm	Φ550mm
Outline	Motor Type	Direct Drive Motor Type(YASKAWA)			
	Body Dia.	Φ300 mm			
	Body length	559mm(@Z150mm)			
Repeatability		≤0.05mm			
AWC Accuracy		≤0.05mm			
Approximate Weight		< - kg(Arm -kg, Body 90kg)	< 108 kg(Arm 18kg, Body 90kg)	< 105 kg(Arm 15kg, Body 90kg)	< 102 kg(Arm 12kg, Body 90kg)

## Gekko-VT Series

VT	VT Premium(up to 12ch)	
		

## TM System

EFEM	Cluster Type	Twin Type	Linear Chamber
			

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