



# Vacuum Elevators

## Robotic Components

	HA-50V	HA-51V
Wafer Sizes	User Defined†	
Pay Load	34kg*	
Mounting Configuration	Bottom	
Axes of Motion	Z	
Weight	27kg	33kg
Vacuum performance Base operating pressure Leak Rate	<5.00E-09 Torr 1.00E-09 scc He/sec	
Input Power	24 VDC at 2.5 Amps	
Maximum Temperature	100°C	
Exposed Materials	Stainless Steel 300 and 400 Series	
Control Interface	RS-232 / Ethernet	
MCBF	>3.00E+06	
SEMI S2	Compliant	
CE	Compliant	
Repeatability Z	0.05mm‡	
Vertical Stroke	185mm	305mm

† Head plates for SEMI standard wafer sizes up to 200mm available.

Custom substrate sizes available upon request.

\* Higher payloads available upon request

‡ Measured as three standard deviations (3σ)