SD2-100130S/D, SD2-130160S/D

Provides SD series with various technologies for vibration control, high-speed, and energy-saving

Clamping force 1000 - 1600 tf

LOW Low posture (Double speed mechanism)

All-axis servo-driven

3D-Design Optimization

Applied 3D-Design Optimization used in FRA series,the high end models of Yushin, to parts of the take-out robots. This yielded a lightweight, highly-rigid body, which allows higher cycle.

Predictive Maintenance

Continuously monitors robot during operation and alerts operator with a message if potential trouble symptoms are detected. This feature elevates maintenance from preventative to predictive.

Items to be detected
- ·Motor overload warning
- ·Regenerative overload warning
- ·Battery voltage drop
- ·Motor temperature rise

Standard Specifications

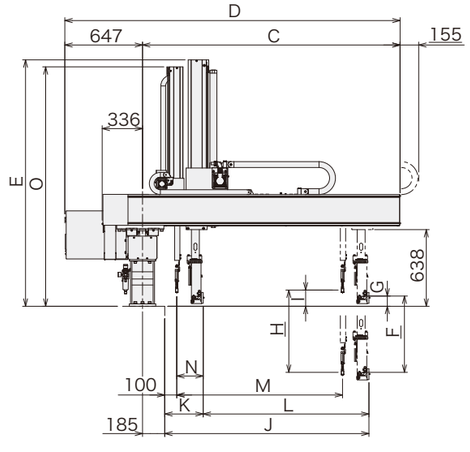
Power supply	Drive method	Controller model	Working air pressure	Flip angle
3-phase 200 VAC/220 VAC (50/60 Hz)	Digital servo motor 3/5-axis	E-touch Lite 3	0.49 MPa	90°

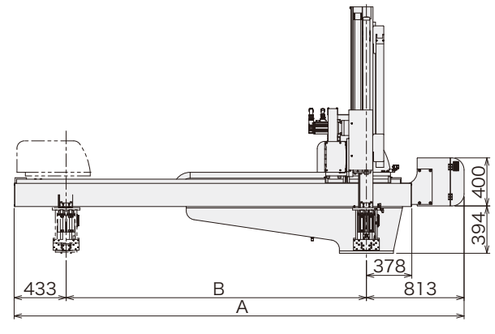
Model	Power consumption	Traverse stroke [mm]	Kick stroke [mm]		Vertical stroke [mm]		Air consumption [NL/cycle]	Payload [kg]	Target IMM clamp capacity [tf]
			Main arm	Sub arm	Main arm	Sub arm			
SD2-100130S	S type 2.5 kVA 3-phase 200 VAC 9.1 A	2500	1520	—	1800	—	40 ECO Vacuum OFF	25	1000-1300
SD2-100130D			1380	1380		1850	26 ECO Vacuum ON		
SD2-130160S	D type 3.1 kVA 3-phase 200 VAC 12.1 A	3000	1520	—	1800 (2000)	—	41 ECO Vacuum OFF		1300-1600
SD2-130160D			1380	1380		1850 (2050)	26 ECO Vacuum ON		

S type : Main arm only D type : Main arm and sub arm
( ) : Modified stroke
Payload includes weight of end-of-arm tool.
Traverse beam stanchion is standard equipment for traverse stroke over 2500 mm.

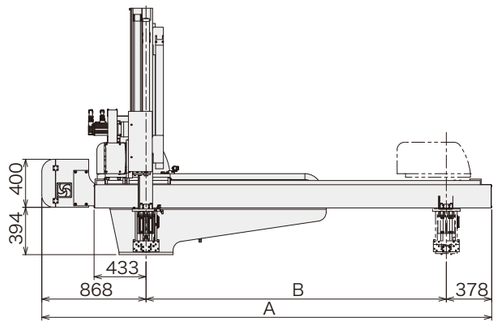
Separate catalog available

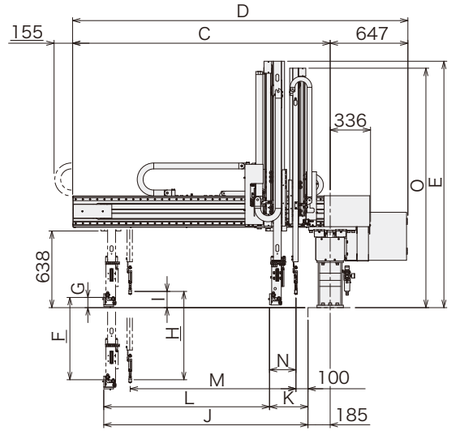
■ Rear (Non-operator) Side Discharge Direction [mm]





■ Operator Side Discharge Direction [mm]





[mm]

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
SD2-100130S	3746	2500	2144	2791	2051	1800	85	—	—	1700	180	1520	—	—	—
SD2-100130D								1850	135		320	1380	1380	220	1993
SD2-130160S	4246	3000	2144	2791	2051 (2155)	1800 (2000)	85	—	—	1700	180	1520	—	—	—
SD2-130160D								1850 (2050)	135		320	1380	1380	220	1993 (2093)

( ) : Modified stroke