SD2-H/G-1025S/D, SD2-H/G-2535S/D

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

PAT.
PAT.P

Clamping force 100 - 350 tf

Vibration control

Optimized design + Power-saving

LOW
Low posture
(Double speed mechanism)

All-axis servo-driven

SD-H-specific function Multi Molding Mode

A single take-out robot can support various molding by switching between three types.

- ·High cycle mold mode
  Medical products, packages, 5G parts, ...
- ·Precision mold mode
  Lenses, connectors, EV parts, ...
- ·High weight mode
  Insert molding, multi-cavity molding, ...

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.

Standard Specifications

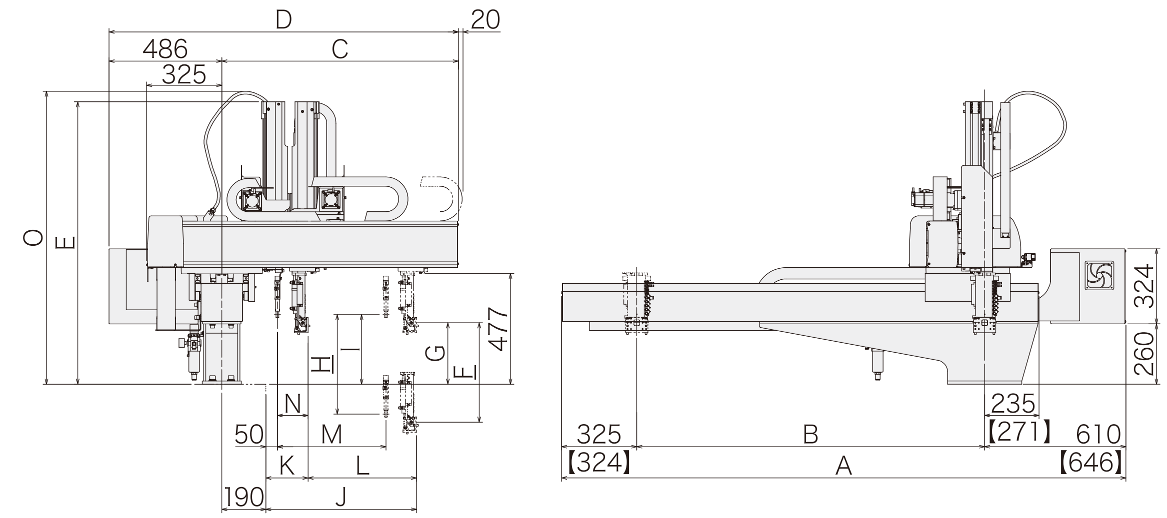
Power supply	Drive method	Controller model	Working air pressure	Flip angle
1-phase 200 VAC/220 VAC (50/60 Hz)	Digital servo motor 3/5-axis	E-touch Lite 3	0.49 MPa	90°

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-H/G-1025S	S type 1.5 kVA 200 VAC 7.5 A	1500 (1700) (1900)	528	—	850 (950) (1100) (1200) (1400)	—	2.5 With ECO Vacuum	5 《7》	100-250
SD2-H/G-1025D			468	468		850 (950) (1100) (1200) (1400)			
SD2-H/G-2535S	D type 1.9 kVA 200 VAC 9.5 A		678	—	950 (1100) (1200) (1400)	—	2.6 With ECO Vacuum		250-350
SD2-H/G-2535D			618	618		950 (1100) (1200) (1400)			

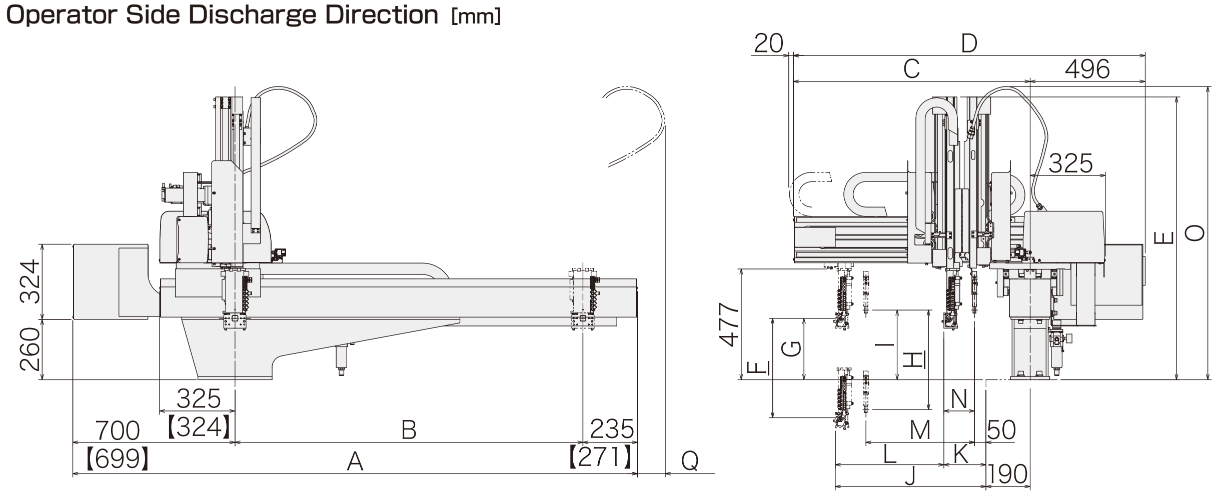
S type : Main arm only D type : Main arm and sub arm
( ) : Modified stroke 《 》: Increased maximum payload
Payload includes weight of end-of-arm tool.
Traverse beam stanchion is standard equipment for traverse stroke over 1700 mm.

Separate catalog available

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



Operator Side Discharge Direction [mm]



[mm]

Model	A	B	C	D		E	F	G
				Operator Side Discharge Direction	Rear [Non-operator] Side Discharge Direction			
SD2-H/G-1025S	2435 (2670) (2835)	1500 (1700) (1900)	1021	1517	1507	1219 (1275) (1347) (1395) (1499)	850 (950) (1100) (1200) (1400)	265 〈158〉
SD2-H/G-1025D								
SD2-H/G-2535S			1176	1672	1662	1275 (1347) (1395) (1499)	950 (1100) (1200) (1400)	
SD2-H/G-2535D								

Model	H	I	J	K	L	M	N	O	Q
SD2-H/G-1025S	—	—	650 〈650〉	122 〈136〉	528 〈514〉	—	—	—	—
SD2-H/G-1025D	850 (950) (1100) (1200) (1400)	300		182 〈196〉	468 〈454〉	468 〈454〉	132 〈146〉	1264 (1320) (1392) (1440) (1544)	120【84】 (120【84】) (120【84】) (270【234】) (270【234】)
SD2-H/G-2535S	—	—	800 〈800〉	122 〈136〉	678 〈664〉	—	—	—	—
SD2-H/G-2535D	950 (1100) (1200) (1400)	300		182 〈196〉	618 〈604〉	618 〈604〉	132 〈146〉	1320 (1392) (1440) (1544)	(120【84】) (120【84】) (270【234】) (270【234】)

( ) : Modified stroke 〈 〉: Increased wrist flip torque
【 】: Extended traverse stroke (1700mm)