

Separate catalog available

All-Axis Servo Driven Type

Swing Type

Side Entry Type

For Vertical Molding Machine

Stock System

Product Series Guide [P11]

HST-600S/D/DS

HST-600S/D/DS

Lighter, faster construction achieves shorter settling time with a focus on improving productivity



* Robots are available in 2 different colors.
* The picture above shows a DS type robot.



For CE supported languages, please contact our sales department.

Clamping force

400 - 650 tf

High speed

Vibration control

Optimized design

Low posture (Double speed mechanism)

All-axis servo-driven

Built Lighter & Faster

The shape and structure of most HST components were formed with design optimization technology for lighter weight. This innovation trimmed the weight of the HST's moving components, which achieved faster speeds without a motor size increase.

Shorter Settling Times Design Optimization + CFRP + Anti-Vibration Controls

The HST's extensive design optimization studied traits including natural oscillation and damping characteristics to dramatically improve vibration control. The reduced settling time (time required for oscillations to calm down to within a set value) contributes to a significant improvement in vibration control.

Standard Specifications

Power supply		Drive method		Controller model		Working air pressure		Flip angle		
3-phase 200 VAC/220 VAC/230 VAC (50/60 Hz)		Digital servo motor 3/5-axis		E-touch II/ E-touch compact-YC		0.49 MPa		90°		
Model	Power consumption	Traverse stroke [mm]	Kick stroke [mm]		Vertical stroke [mm]		Air consumption [NL/cycle]	Payload [kg]	Noise [dBA]	Target IMM clamp capacity [tf]
			Main arm	Sub arm	Main arm	Sub arm				
HST-600S	6.0 kVA 3-phase 200 VAC 17.3 A Max.	2200 (2500) (3000)	1160	—	1300 (1550) (1800)	1300 (1550) (1800)	8.1	15	80	400-650
HST-600D	8.0 kVA 3-phase 200 VAC 23.1 A Max.		960	960						
HST-600DS	9.0 kVA 3-phase 200 VAC 26.0 A Max.									

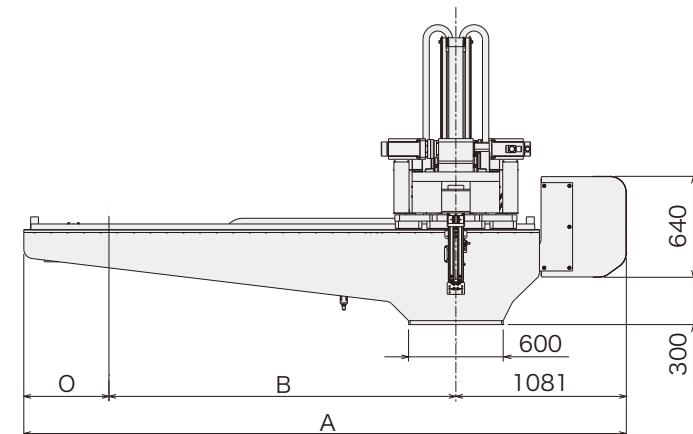
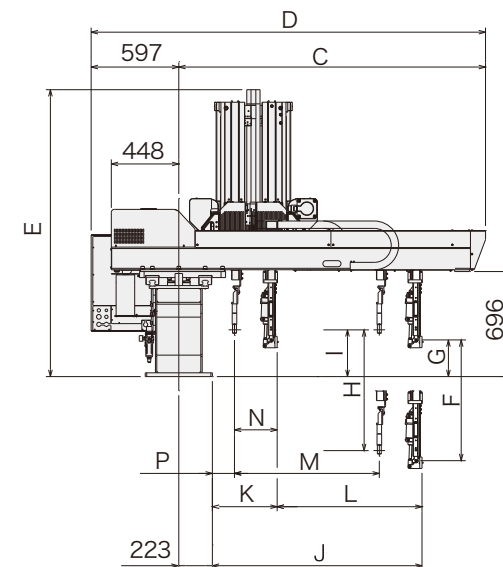
S type : Robot is equipped with main arm only. D type : Robot is equipped with main arm and sub arm. DS type : Robot is equipped with two main arms.

() : Modified stroke

Payload includes the end-of-arm tool.

Traverse beam stanchion is standard equipment for traverse stroke over 2200 mm.

Dimensional Drawings [mm]



[mm]

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
HST-600S								—	—		230	1160	—	—		147
HST-600D	3821 (4121) (4646)	2200 (2500) (3000)	2033	2630	1901 (2021) (2149)	1300 (1550) (1800)	243	1300 (1550) (1800)	310	1390	430	960	960	283	540 (565)*	
HST-600DS														315		115

() : Modified stroke

* With modified traverse stroke (3000 mm)

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All-Axis Servo Driven Type Take-Out Robot