

Separate catalog available

All-Axis Servo Driven Type

Swing Type

Side Entry Type

For Vertical Molding Machine

Stock System

Product Series Guide P11

HST-400S/D/DS

HST-400S/D/DS

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



* Robots are available in 2 different colors.



For CE supported languages, please contact our sales department.

Clamping force 280 - 450 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 72.5 kg from the HST's moving components, making it 25.4% lighter than the previous series. The HST achieves 9.2% faster speeds than the previous series without a motor size increase.*1

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. Settling time (time required for oscillations to calm down to within a set value) was reduced by 98.6%.*2

*1 Measured on the HST-400

*2 Measured on the HST-150

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-400S	6.0 kVA 3-phase 200 VAC 17.3 A Max.	1700 (1900) (2200) (2500)	950	—	1100 (1300)	—	5.4	10	77.6	280-450
HST-400D	8.0 kVA 3-phase 200 VAC 23.1 A Max.		750	750		1100 (1300)				
HST-400DS	9.0 kVA 3-phase 200 VAC 26.0 A Max.		850	850						

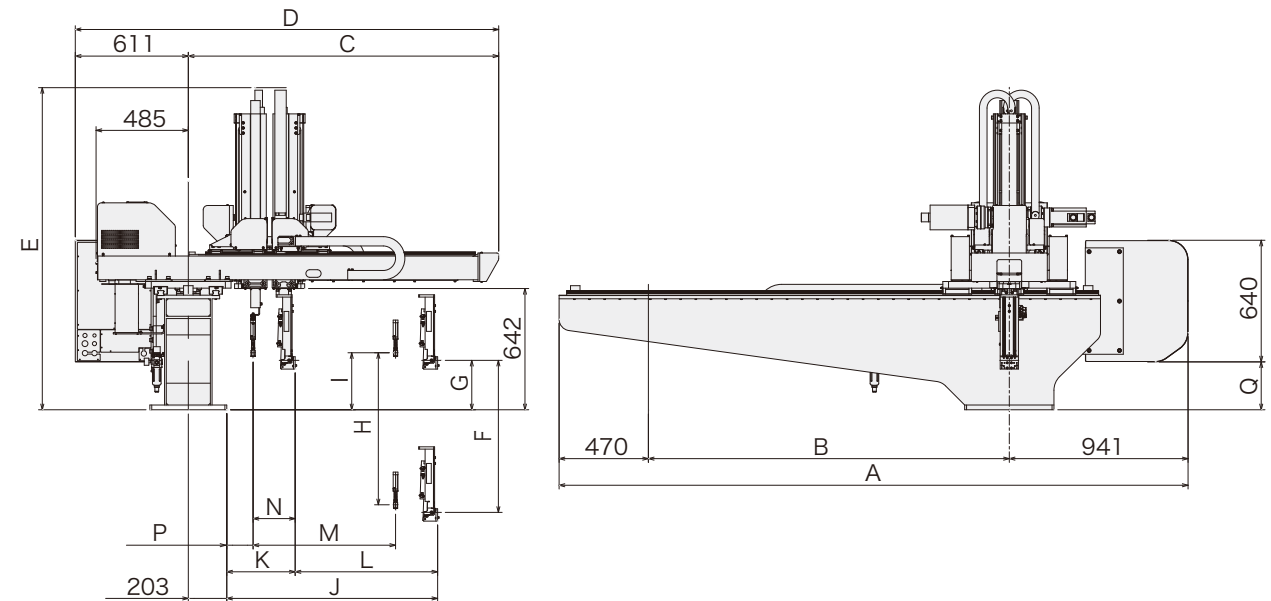
S type : Robot is equipped with main arm only. D type : Robot is equipped with main arm and sub arm. DS type : Robot is equipped with two main arms.

() : Modified stroke

Payload includes the end-of-arm tool.

Traverse beam stanchion is standard equipment for traverse stroke over 1900 mm.

Dimensional Drawings [mm]



[mm]

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q
HST-400S	3111 (3311) (3611) (3911)	1700 (1900) (2200) (2500)	1634	2245	1695 (1787)	1100 (1300)	260	—	—	1110	160	950	—	—	139	252
HST-400D								1100 (1300)	300		360	750	750	222		
HST-400DS			1734	2345				260	1210			850	850	269	91	

() : Modified stroke

Introducing our EXTRA catalog

Needs on the molding work floor

- Flexible handling of products
- Flexible cutting of products
- Round-the-clock operation and better labor saving
- Changeover improvement

Yushin has the solution for you.



CATALOG YUSHIN

All-Axis Servo Driven Type Take-Out Robot

All-Axis Servo Driven Type

Swing Type

Side Entry Type

For Vertical Molding Machine

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