

Separate catalog available

HST-600S/D/DS

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

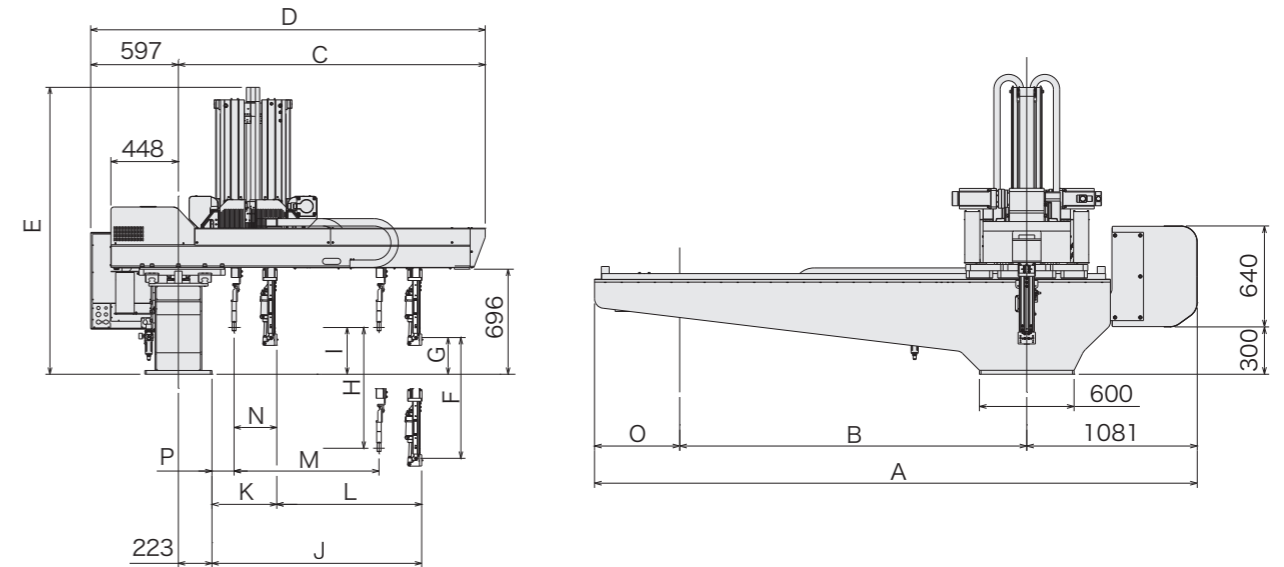


* Robots are available in 2 different colors.
* The picture above shows a DS type robot.



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.

[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)*	115
HST-600DS														315		

() : Modified stroke
* With modified traverse stroke (3000 mm)

Standard Specifications

Power supply	Drive method	Controller model	Working air pressure	Flip angle
200/220/230 VAC (50/60 Hz) 3 phase	Digital servo motor 3/5-axis	E-touch II/ E-touch compact-YC	0.49MPa	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			
HST-600S	6.0 kVA 3 phase 200 VAC 17.3 A Max.	2200 (2500) (3000)	1160	-	-	-	8.1	15	400-650
HST-600D	8.0 kVA 3 phase 200 VAC 23.1 A Max.		960	960	1300 (1550) (1800)	1300 (1550) (1800)			
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.

HST-600S/D/DS

All-Axis Servo Driven Type Take-Out Robot