

Separate catalog available

## HST-150S/D

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

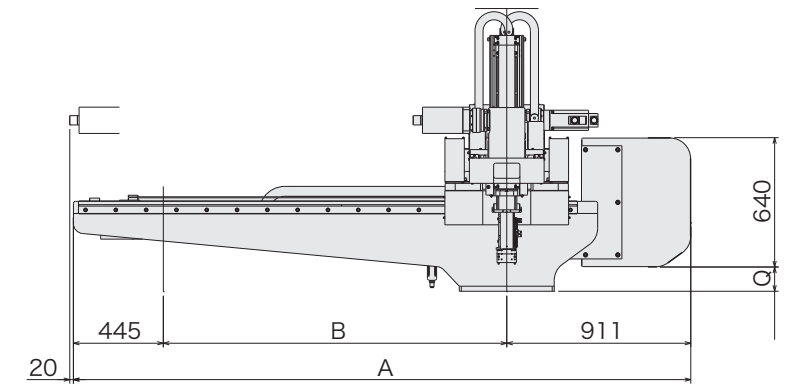
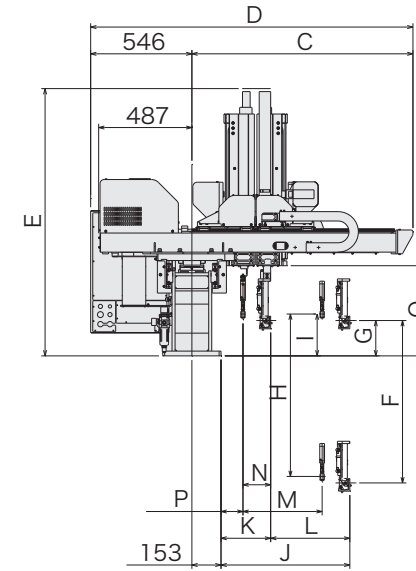


\* Robots are available in 2 different colors.



For CE supported languages, please contact our sales department.

- Clamping force 100 - 220tf
- 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	
200/220/230 VAC (50/60 Hz) 3 phase		Digital servo motor 3/5-axis		E-touchII/ 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-150S	5.0 kVA 3 phase 200 VAC 14.4 A Max.	1500 (1700) (1900) (2200) (2500)	550	—	850 (950) (1100) (1300)	—	3.6	3	100-220
HST-150D	6.5 kVA 3 phase 200 VAC 18.8 A Max.	415	415	415	850 (950) (1100) (1300)	—	3.6	3	100-220

S type : Robot is equipped with main arm only. D type : Robot is equipped with main arm and sub arm.  
( ) : Modified stroke  
Payload includes the end-of-arm tool.

[mm]

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
HST-150S	2856 (3056) (3256) (3556) (3856)	1500 (1700) (1900) (2200) (2500)	1158	1704	1321 (1374) (1454) (1546)	850 (950) (1100) (1300)	185	—	—	675	125	550	—	—	476	115	120
HST-150D					1399 (1452) (1532) (1624)			850 (950) (1100) (1300)	219		260	415	415	145			

( ) : Modified stroke

### Introducing our Robot Tooling and Accessory Guide (EOAT Parts Catalog)

What are you looking for in end-of-arm tools?

- Make new tools
- Make tool exchanges more efficient
- Modifying or repairing parts



Yushin has the solution for you.

