

Separate catalog available

YD2-5080S/D

Productivity enhancement, downtime reduction, and environment-conscious models support easy introduction in low-clearance installations



For CE supported languages, please contact our sales department.

Clamping force 500 - 800 tf

Vibration control

Optimized design + Power-saving

Low posture (Double speed mechanism)

All-axis servo-driven

All-Axis Servo Driven Take-out Robot Enhancing Customer Profitability and Environmental Measures

Combining design optimization, CFRPv3, and vibration control contribute to shorter cycle time and stable take-out. We have refined our unique ECO Vacuum™ technology to reduce compressed air consumption even further. As a result, robot air consumption can be economized and can reduce capital expenditures. The YD2-5080 is sized for molding machines with clamping forces from 500 to 800 tf.

Equipped with E-touch compact 3 as standard



- Smart ECO Vacuum
- Take-out Diagnosis Function
- Torque Monitoring during Manual Operation

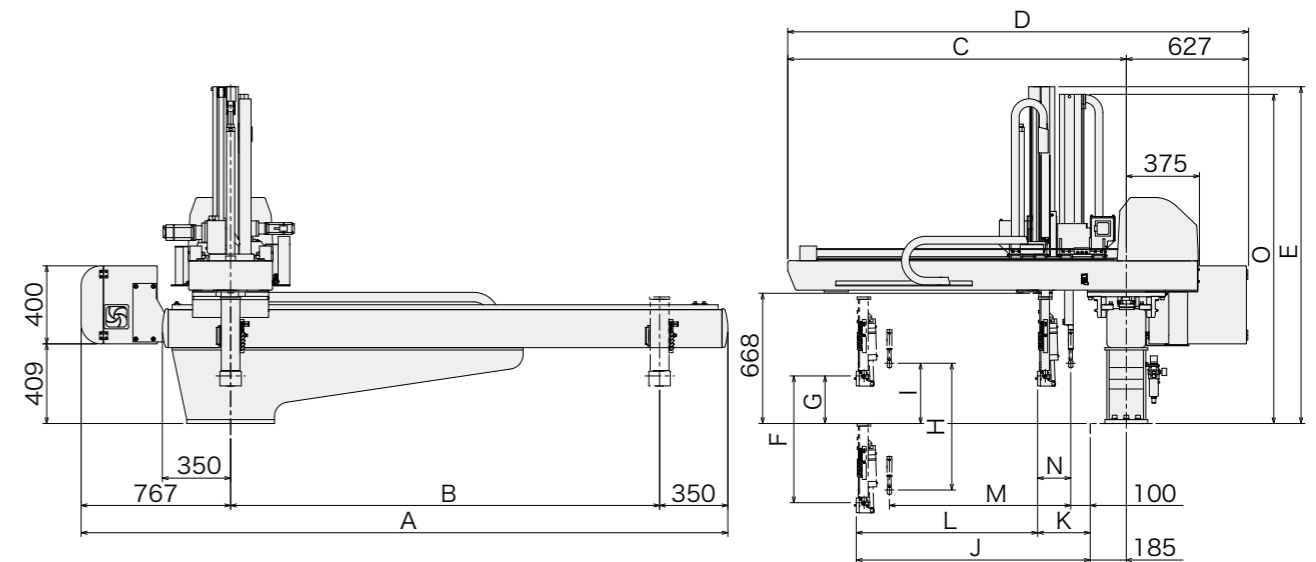
The E-touch compact 3 takes the easy operability of the previous YC series controller. And several assist features to become even easier to use.

Standard Specifications

Power supply		Drive method		Controller model		Working air pressure		Flip angle		
1 phase AC200/220 V (50/60 Hz)		Digital servo motor 3/5-axis		E-touch compact 3		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				
YD2-5080S	2.2 kVA AC200 V 11.0 A	2200 (2500)	1060	—	1300 (1550)	—	18.0 Smart ECO Vacuum OFF 9.5 Smart ECO Vacuum ON	15 (20)	74.6	500-800
YD2-5080D	2.8 kVA AC200 V 14.0 A		930	930	1300 (1550)	1300 (1550)				

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

Dimensional Drawings [mm]



[mm]

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
YD2-5080S	3317 (3617)	2200 (2500)	1737	2364	1727 (1852)	1300 (1550)	244	—	—	1200	140	1060	—	—	1688 (1813)
YD2-5080D								1300 (1550)	309		270	930	930	170	

() : Modified stroke