

# 1 All-Axis Servo Driven Type Take-Out Robot

YD2-80100S/D

Separate catalog available

All-Axis Servo Driven Type

Swing Type

Side Entry Type

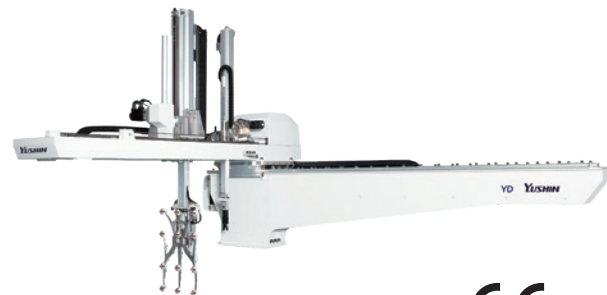
For Vertical Molding Machine

Stock System

Product Series Guide [P11](#)

## YD2-80100S/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 800 - 1000 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 YD2-80100 is sized for molding machines with clamping forces from 800 to 1000 tf.

### Equipped with E-touch compact 3 as standard



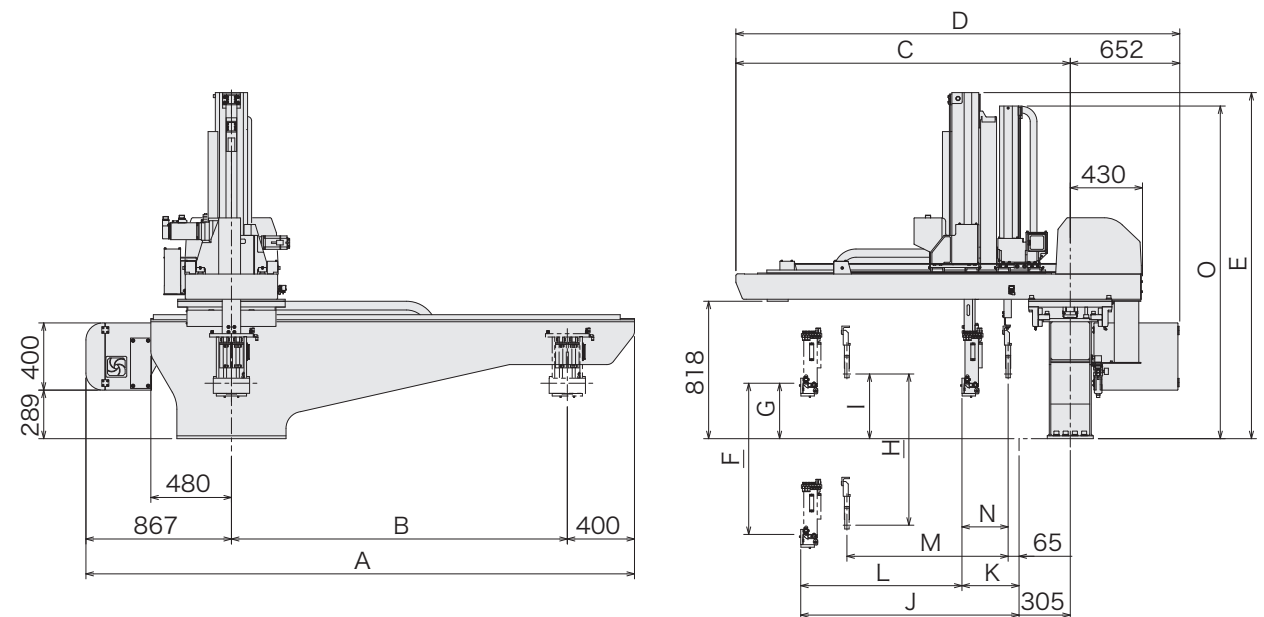
- Smart ECO Vacuum
- Take-out Diagnosis Function
- Torque Monitoring during Manual Operation

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	
200/220 VAC (50/60 Hz) 3 phase		Digital servo motor 3/5-axis		E-touch compact 3		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			
YD2-80100S	2.5 kVA 200 VAC 9.1 A	2000 (2500) (3000)	1140	—	1550 (1800)	—	29.0 Smart ECO Vacuum OFF	25 (35)	800-1000
YD2-80100D	3.4 kVA 200 VAC 13.8 A		960	960	1550 (1800)	1550 (1800)	19.3 Smart ECO Vacuum ON		

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.



[mm]

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
YD2-80100S	3267 (3767) (4267)	2000 (2500) (3000)	1992	2644	2060 (2185)	1550 (1800)	330	—	—	1300	160	1140	—	—	—
YD2-80100D								1550 (1800)	385		340	960	960	275	1980 (2105)

( ) : 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.



WEB

CATALOG YUSHIN

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