YUSHIN

YCⅡ-100S/D, YCⅡ-150S/D, YCⅡ-250S/D

■Features

- Clamping force: 80–300 tf
- Number of servo axes: 3/5-axis
- Kick frame: Single support type
- Vertical arm: Reduced overall height type
- NC box: On robot body
- touch Controller: E-touch compact-YC

All-Axis Servo Driven Take-Out Robot for Energy-Smart Manufacturers

Compared to older models, YC series robots benefit from much lighter components and structures by incorporating design optimization technology. This weight reduction results in significantly better energy efficiency and longevity. Design optimization also targeted factors like natural oscillation and damping characteristics to greatly reduce arm vibration. The YCⅡ-100/150/250 is sized for 80-300 tf molding machines.

E-touch compact-YC PAT.

- ECO Vacuum
- ECO Monitor
- Predictive Maintenance*

Standard equipment

* Continuously monitors robot during operation and alerts operator with a message if potential trouble symptoms are detected. This function elevates maintenance from preventative to predictive.

■Standard Specifications

Power source	Driving method	Control method	Air pressure	Wrist flip angle
Single phase AC200V/220V (50/60Hz)	Digital servo motor 3/5-axis	Micro computer control	0.49MPa Maximum allowable air pressure (factory) 0.7MPa	90 deg.

Model	Power consumption	Traverse stroke (mm)	Kick stroke (mm) Main arm	Kick stroke (mm) Sub arm	Vertical stroke (mm) Main arm	Vertical stroke (mm) Sub arm	Air consumption (NL/cycle)	Payload (kg)	Clamping force (tf)
YCⅡ-100S	S type 1.9kVA AC200V 9.3A	1100 [1500] [1700] [1900] [2200] [2500]	578	–	700 〈850〉	–	5.2 (ECO Vacuum OFF) 1.7 (ECO Vacuum ON)	5	80 ～ 130
YCⅡ-100D			518	518		700 〈850〉			
YCⅡ-150S		1500 [1700] [1900] [2200] [2500]	578	–	850 〈950〉	–	5.6 (ECO Vacuum OFF) 1.7 (ECO Vacuum ON)		100 ～ 220
YCⅡ-150D	D type 2.5kVA AC200V 12.3A		518	518		850 〈950〉			
YCⅡ-250S			728	–	950 〈1100〉	–	5.9 (ECO Vacuum OFF) 1.9 (ECO Vacuum ON)		180 ～ 300
YCⅡ-250D			668	668		950 〈1100〉			

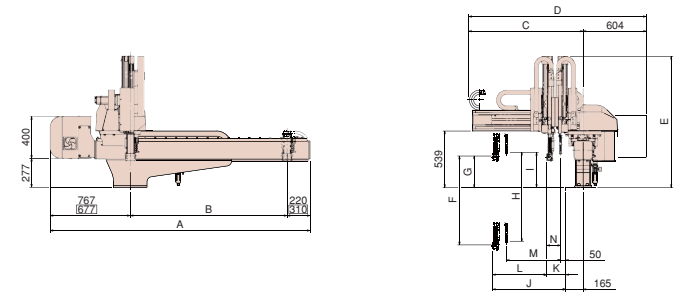
S type: Robot is equipped with product take-out arm only. D type: Robot is equipped with product take-out arm and runner take-out arm.
[ ]: Modified traverse stroke
Payload includes the end-of-arm tool.
Higher payloads possible,depending on take-out settings and speeds.

CE

The CE specification is a special order. Please contact us.

PAT.

■Dimensions (mm)



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N
YCⅡ-100S	2087 (2487) (2687) (2887) (3187) (3487)	1100 (1500) (1700) (1900) (2200) (2500)	1093	1696	1182 〈1254〉	700 〈850〉	300	700 〈850〉	335	700	182 【122】	518 【578】	518	132
YCⅡ-100D														
YCⅡ-150S	2487 (2687) (2887) (3187) (3487)	1500 (1700) (1900) (2200) (2500)			1254 〈1310〉	850 〈950〉		850 〈950〉						
YCⅡ-150D														
YCⅡ-250S			1243	1846	1310 〈1382〉	950 〈1100〉		950 〈1100〉		850		668 【728】	668	
YCⅡ-250D														

( ): Modified traverse stroke
〈 〉: Modified vertical stroke
【 】: S-Type Dimensions
▭: For rear-side models