






## YC-100S/D, YC-150S/D, YC-250S/D

### ■ Features

-  **80–300 tf**
-  **3/5-axis**
-  **Single support type**
-  **On robot body**
-  **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 YC-100/150/250 is sized for 80-300 tf molding machines.

### E-touch compact-YC PAT.



- ECO Vacuum
  - ECO Monitor
  - Predictive Maintenance\*
    - \* 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 equipment

### ■ Standard Specifications

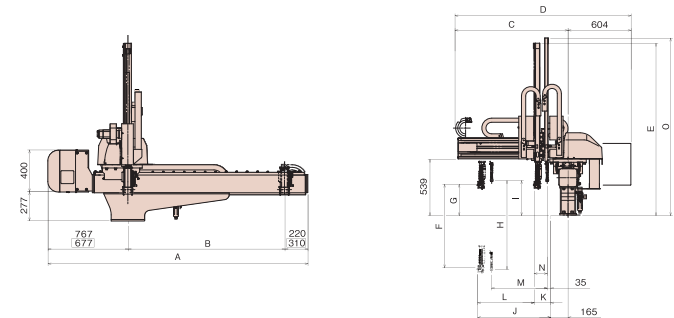
Power source	Driving method	Control method	Air pressure	Wrist flip angle
Single phase AC200V/220V (50/60Hz)	Digital servo motor 3/5-axis	Micro computer control	0.49MPa Maximum allowable air pressure (factory) 0.7MPa	90 deg.

Model	Power consumption	Traverse stroke (mm)	Kick stroke (mm)		Vertical stroke (mm)		Air consumption (NL/cycle)	Payload (kg)	Clamping force (tf)
			Main arm	Sub arm	Main arm	Sub arm			
YC-100S	S type 1.9kVA	1100 [1500] [1700] [1900] [2200] [2500]	625	—	650	—	3.2 (ECO Vacuum OFF)	5	80–130
YC-100D			540	540	<800>	700 <850>	1.3 (ECO Vacuum ON)		
YC-150S	D type 2.5kVA	1500 [1700] [1900] [2200] [2500]	625	—	800	—	3.5 (ECO Vacuum OFF)	5	100–220
YC-150D			540	540	<900>	850 <950>	1.3 (ECO Vacuum ON)		
YC-250S	AC200V 12.5A	1500 [1700] [1900] [2200] [2500]	775	—	900	—	3.9 (ECO Vacuum OFF)	5	180–300
YC-250D			690	690	<1050>	950 <1100>	1.6 (ECO Vacuum ON)		


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 < > : Modified vertical stroke  
 Payload includes the end-of-arm tool.  
 Higher payloads possible, depending on take-out settings and speeds.



### ■ Dimensions (mm)



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
YC-100S	2087 (2487)	1100 (1500)			1498 (1850)	650 (800)		700 (850)							1548 (1700)
YC-100D	2087 (2487)	1100 (1500)	1083	1686						700		540 [625]	540		
YC-150S	2487 (2887)	1500 (1700)			1650 (1754)	800 (900)	300	850 (950)	335		160 [75]			125	1700 (1804)
YC-150D	2487 (2887)	1500 (1700)													
YC-250S	3187 (3487)	2200 (2500)			1754 (1906)	900 (1050)		950 (1100)		850		690 [775]	690		1804 (1956)
YC-250D	3187 (3487)	2200 (2500)	1233	1836											

( ) : Modified traverse stroke  
 < > : Modified vertical stroke  
 [ ] : S-Type Dimensions  
 : For rear-side models