

1 All-Axis Servo Driven Type Take-Out Robot

CT-100S/D, CT-150S/D, CT-250S/D

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Vertical transfer to the molding machine's mold opening
Introducing a new concept that reforms work floor layouts



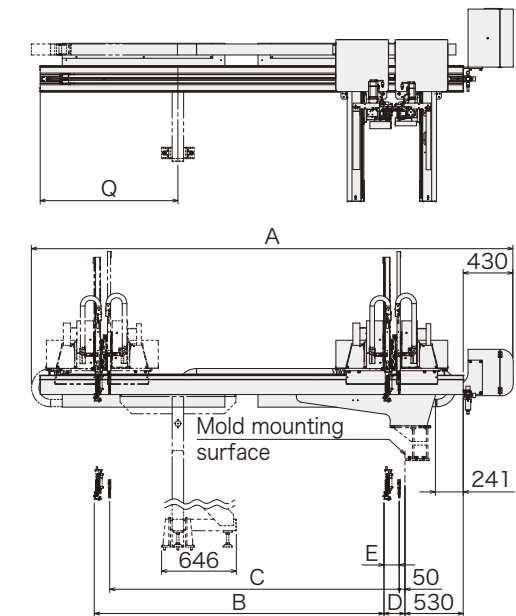
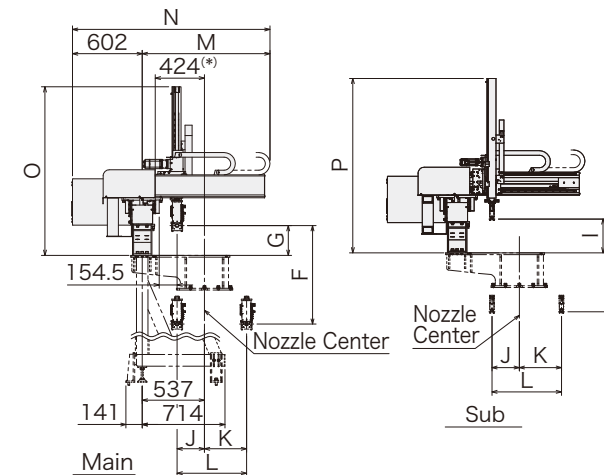
Clamping force 80 - 300 tf

Vibration control

Optimized design + Power-saving

All-axis servo-driven

External Dimensions [mm]



Q : Stanchion should be equipped within 1500 mm from the end of traverse stroke.
(*) "Clearance for mold-changing, from injection-center to rear-side"
To avoid mechanical interference, please be sure to keep the edge of lifted mold within the shown length from the nozzle-center.

Space Efficient

CT robots require less clearance between molding machines, which helps fit more units on the production floor.

Switching from Runner Take-out to Product Take-out

Replace your existing runner take-out robot with a new product take-out robot—no additional space needed.

Centralization of Conveyor Belts

No need to have a conveyor belt for each molding machine—this series enables centralized inspection and packing with just one conveyor belt.

Equipped with E-touch compact-YC as standard



- ECO Vacuum™
- ECO Monitor™
- Predictive Maintenance*

* Continuously monitors take-out robot during operation and alerts operator with a message if any signs of potential trouble are detected.

Standard Specifications

Power supply		Drive method		Controller model		Working air pressure		Flip angle		
1-phase 200 VAC/220 VAC/230 VAC (50/60 Hz)		Digital servo motor 3/6-axis		E-touch compact-YC		0.49 MPa		90°		
Model	Power consumption	Clamp-end traverse stroke [mm]		Traverse stroke [mm]		Vertical stroke [mm]		Air consumption [NL/cycle]	Payload [kg]	Target IMM clamp capacity [tf]
		Main arm	Sub arm	Main arm	Sub arm	Main arm	Sub arm			
CT-100S	S type 1.9 kVA 200 VAC 9.3 A	S type 2560 (3060) (3560) (4060) (4560)	—	600	—	650	—	4.6 ECO Vacuum OFF 1.5 ECO Vacuum ON	5	80-130
CT-100D		2500 (3000)(3500) (4000)(4500)	600		700					
CT-150S		—	—		—	800 (900)	—	4.7 ECO Vacuum OFF 1.5 ECO Vacuum ON		
CT-150D	D type 2.9 kVA 200 VAC 14.3 A	D type 2500 (3000) (3500) (4000) (4500)	2500 (3000)(3500) (4000)(4500)	600	850 (950)					
CT-250S	200 VAC 14.3 A	—	—	750	—	900 (1050)	—	5.0 ECO Vacuum OFF 1.7 ECO Vacuum ON	5	100-220
CT-250D		2500 (3000)(3500) (4000)(4500)	750		950 (1100)		180-300			

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.
Stanchion is standard equipment regardless of the clamp traverse stroke length.

[mm]

Model	A	B	C	D	E	F	G	H	
CT-100S	4156 (4674) (5116) (5633) (6153)	S type 2560 (3060) (3560) (4060) (4560) D type 2500 (3000) (3500) (4000) (4500)	—	122	—	650	257	—	
CT-100D			2500 (3000) (3500) (4000) (4500)	182	132			700	
CT-150S			—	122	—			—	
CT-150D			2500 (3000) (3500) (4000) (4500)	182	132	800 (900)		850 (950)	
CT-250S			—	122	—	900 (1050)		—	
CT-250D			2500 (3000) (3500) (4000) (4500)	182	132			950 (1100)	

Model	I	J	K	L	M	N	O	P
CT-100S	—	237	364	600	1103	1705	1455	—
CT-100D	292							1505
CT-150S	—						1607 (1711)	—
CT-150D	292		1657 (1761)					
CT-250S	—		514	750	1253	1855	1711 (1863)	—
CT-250D	292							1761 (1913)

() : Modified stroke

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