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

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

Space Efficient

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

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.

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.

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

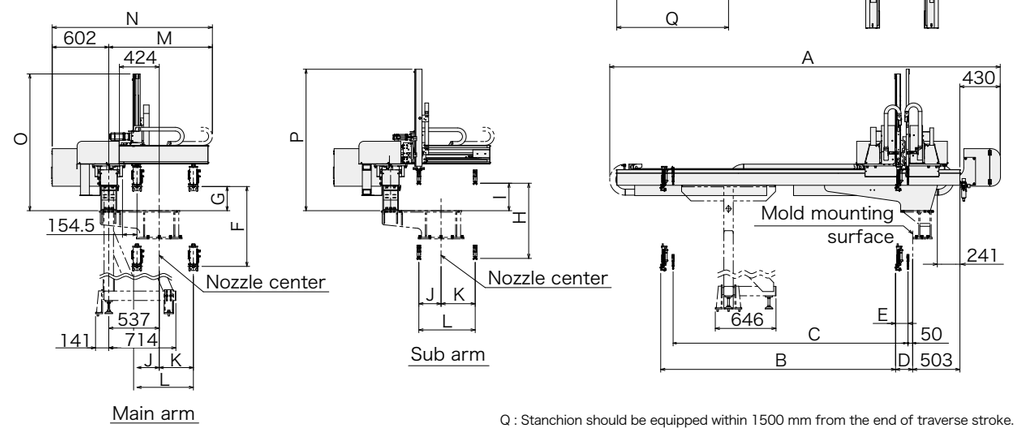
Power supply	Drive method	Controller model	Working air pressure	Flip angle
1 phase AC200/220/230 V (50/60 Hz)	Digital servo motor 3/6-axis	E-touch compact-YC	0.49 MPa	90°

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 AC200 V 9.3 A D type 2.9 kVA AC200 V 14.3 A	S type 2560 (3060) (3560) (4060) (4560) D type 2500 (3000) (3500) (4000) (4500)	—	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		100-220
CT-150D			2500 (3000) (3500) (4000) (4500)		600		850 (950)			
CT-250S			—	750	—	900 (1050)	—	5.0 ECO Vacuum OFF 1.7 ECO Vacuum ON		180-300
CT-250D			2500 (3000) (3500) (4000) (4500)		750		950 (1100)			

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.

Separate catalog available

Dimensional Drawings [mm]



Q : Stanchion should be equipped within 1500 mm from the end of traverse stroke.

[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	—	800 (900)		—
CT-150D			2500 (3000) (3500) (4000) (4500)	182	132			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