CT2-100S/D, CT2-150S/D, CT2-250S/D

Introducing a new concept that reforms work floor layouts
Compact models for low-clearance installations

Clamping force	80 - 300 tf
Vibration control	Optimized design + Power-saving
LOW Low posture (Double speed mechanism)	All-axis servo-driven

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

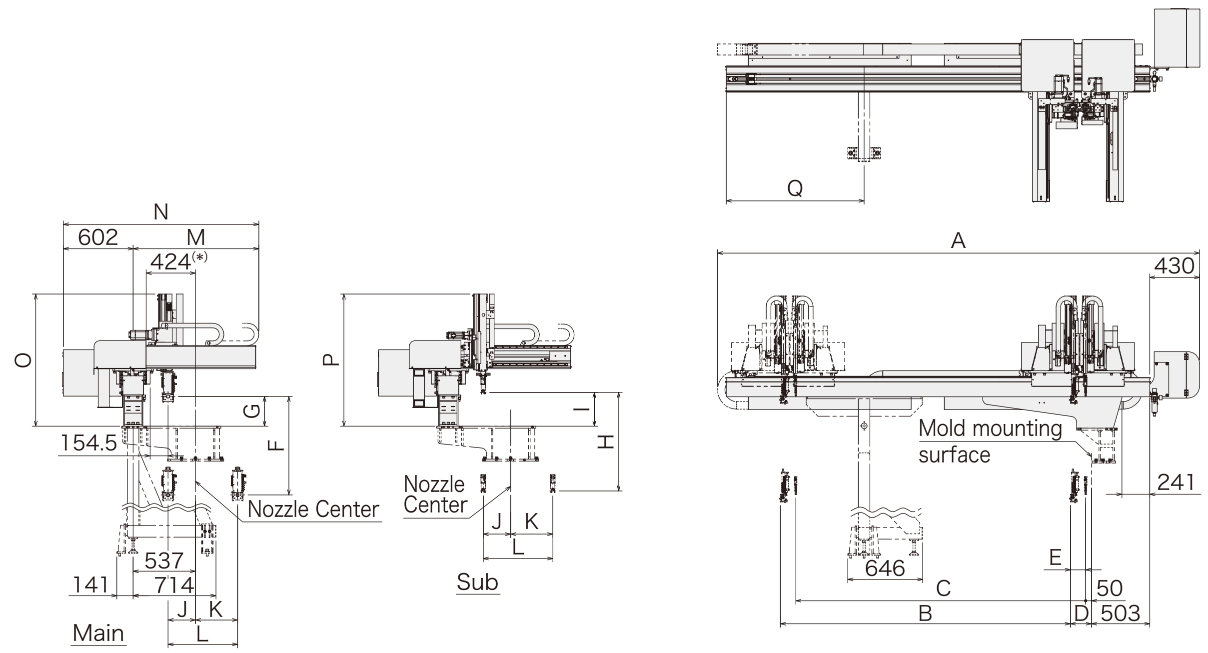
Power supply	Drive method	Controller model	Working air pressure	Flip angle
1-phase 200 VAC/220 VAC/230 VAC (50/60 Hz)	Digital servo motor 3/6-axis	E-touch compact-YC	0.49 MPa	90°

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			
CT2-100S	S type 1.9 kVA 200 VAC 9.3 A	S type 2560 (3060) (3560) (4060) (4560)	—	600	—	700	—	7.3 ECO Vacuum OFF 2.0 ECO Vacuum ON	5	80-130
CT2-100D			2500 (3000) (3500) (4000) (4500)		600		700			
CT2-150S			—		—	850 (950)	—	7.4 ECO Vacuum OFF 2.0 ECO Vacuum ON		100-220
CT2-150D	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)			
CT2-250S			—	750	—	950 (1100)	—	8.0 ECO Vacuum OFF 2.4 ECO Vacuum ON		180-300
CT2-250D			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.
Stanchion is standard equipment regardless of the clamp traverse stroke length.

Separate catalog available

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.

[mm]

Model	A	B	C	D	E	F	G	H
CT2-100S	4156 (4674) (5116) (5633) (6153)	S type 2560 (3060) (3560) (4060) (4560) D type 2500 (3000) (3500) (4000) (4500)	—	122	—	700	257	—
CT2-100D			2500 (3000) (3500) (4000) (4500)	182	132			700
CT2-150S			—	122	—	850 (950)		—
CT2-150D			2500 (3000) (3500) (4000) (4500)	182	132			850 (950)
CT2-250S			—	122	—	950 (1100)		—
CT2-250D			2500 (3000) (3500) (4000) (4500)	182	132			950 (1100)

Model	I	J	K	L	M	N	O	P
CT2-100S	—	237	364	600	1083	1685	1139	—
CT2-100D	292							1139
CT2-150S	—						1211 (1267)	—
CT2-150D	292							1211 (1267)
CT2-250S	—		514	750	1233	1835	1267 (1339)	—
CT2-250D	292							1267 (1339)

( ) : Modified stroke