

Main Specifications

Injection unit			
Screw diameter	mm	ϕ 28	ϕ 32
Injection pressure	MPa(kgf/cm ²)	218{2230}	167{1710}
Injection capacity	cm ³	31	40
Screw stroke	mm	50	
Injection speed	mm/s	300	
Screw speed	r.p.m.	400	
Nozzle contact force	kN(tf)	5.8{0.6}	
Nozzle protrusion from platen	mm	43	
Nozzle R× ϕ	mm	10×1.8 (20×1.4)	
Injection unit stroke	mm	190	
Miscellaneous			
Machine dimensions (L×W×H)	m	3.58×1.03×1.63	
Machine weight	t	2.6	
Power supply	V/Hz	AC200/50, AC200/60, AC220/60	

Mold clamping unit		
Clamping system		Double toggle
Clamping force	kN(tf)	390{40}
Distance between tie-bars	mm	270×270
Overall size of planes	mm	415×415
Mold opening stroke	mm	160
Mold height	mm	160~205
Ejector type		Pneumatic, center 1 point
Ejector force	kN(tf)	3.9{0.4}
Ejector stroke	mm	12
Cut punch force	kN(tf)	7.8{0.8}
Cut punch stroke	mm	6
Locating ring hole diameter	mm	60

Standard Equipments

Plasticizing & injection unit	
1 Screw assembly for disc	
2 Programming control of injection & hold pressure (5-stage injection, 4-stage hold pressure)	
3 Programming control of plasticizing	
4 Injection start delay timer	
5 V-P switch-over controller (pressure, position)	
6 Screw pull back with speed control	
7 Water cooling jacket temperature control device	
8 2-modes temperature control (production/standby)	
9 Cold screw start-up protection	
10 Nozzle contact force adjuster	
11 Automatic purging device	
12 Swivel injection unit with nozzle centering adjuster	
13 Purging cover with exhaust duct	
14 Nozzle temperature control system (FTC nozzle)	
Clamping unit	
1 Precise mold open/close position and clamping force control (closed loop control)	
2 Mold clamping force 5-stage control	
3 Mold space adjuster	
4 Cut punch remote control (position, speed, pressure)	
5 Cut punch protrusion interlock	
6 Pneumatic ejector (manually operated speed, pressure)	
7 Adjustable mechanical stopper of pneumatic ejector	
8 Pneumatic ejector protrusion interlock	
9 Plated platen	
10 Guide plate for mold mounting	
11 Mold changing mode	

Control unit	
1 Internal memory of mold conditions (40 conditions)	
2 SPACEII memory card device (20 conditions)	
3 Setting history display (60 items)	
4 Graphic display (position, speed, pressure)	
5 SSR control circuit for heater bands	
6 Take-out robot interface	
7 Hour meter	
8 Printer connection circuit	
Monitor unit	
1 Actual value indication	
2 Product quality control (9 functions)	
3 Monitor (5 functions)	
4 Monitor history display	
5 Monitor (Cylinder temperature : all zones)	
6 Monitor (Heater burnout, SSR failure)	
7 Monitor (Stamper vacuum)	
8 Self-diagnosis	
9 Alarm buzzer	
10 Shot counter	
11 Molding cycle time monitor with attended/unattended selection	
12 Total production control	
Frame unit	
1 Air piping (air blow, stamper vacuum, accessory port, resin gas suction)	
2 Connection panel for mold temp. controller	
Miscellaneous	
1 Automatic greasing device (except tie-bar)	
2 Standard tools	
3 Standard spare parts	

Optional Equipments

Plasticizing & injection unit	
1 SUS purging cover	
2 SUS plasticizing cylinder cover	
Clamping unit	
1 Automatic greasing device	
2 Guide roller for mold mounting	
3 SUS safety door	
Monitor unit	
1 Earth-leakage circuit breaker	
2 Revolving alarm lamp	
3 PC connection circuit (RS232C)	

Frame unit	
1 Clean filter for air blow	
2 Water piping for mold temp. controller	
3 SUS frame cover	
4 Shoot for sprue	
Miscellaneous	
1 Hose between molding machine and mold	
2 Hose between molding machine and mold temp. controller	
3 Clean filter unit for mold	
4 Build-in type transformer	
5 Leveling pads	
6 Grease cartridge	

※Specifications subject to change without notice for performance improvements.

※The export of this product for use for or in development and/or production of massive destruction arms and weapons (nuclear weapons, biological weapons, chemical weapons, missiles) or the export of this product to any person, party or corporation engaged or involved in the development and/or production of above described goods is subject to the authorization of the Japanese government pursuant to Foreign Exchange and Foreign Trade Control Law.