

# MD S-IV

## Standard Accessories

Injection	1	Multistage injection speed control: 10 speeds / Filling pressures for each speed stage
	2	Multistage injection pressure control: 10 pressures / Holding speeds for each pressure stage
	3	Multistage screw recovery control: 3 speeds, 3 back pressures
	4	Nozzle temperature group control
	5	Injection unit swivel device (Powered swivel for 500 ton and larger models)
	6	Cold screw starting prevention
	7	Barrel heater cover
	8	Automatic purge
	9	Hopper base temperature control
	10	Back pressure delete in manual mode
	11	Purge guard
Clamping	12	Multistage mold open/close speed control: 6 speeds
	13	Movable platen support (4 points support for 500 ton and smaller models, 2 points for 720 ton and larger)
	14	Automatic mold height/clamping force adjustment
	15	Low pressure mold protection
	16	Ejector advance position holding function
	17	Mold set mode with low speed/low pressure
	18	Mechanical mold closing safety device (Pneumatic powered by electric signal for 720 ton and above)
	19	Robot mounting hold
	20	Air eject
	21	Core pull interface
	22	12.1 inch color LCD touch panel
Control	23	Ejector on the fly • Recovery on the fly (Standard for 500 ton and larger models)
	24	Delay timers for injection, screw recovery, nozzle and ejector
	25	Expert function (Initial condition setting/Setting conversion from other machines)
	26	Barrel follow-up temperature control for nozzle zone
	27	Calender timer for heater startup
	28	Multiple language (English, Japanese, Chinese, Spanish)
	29	Mold memory storage/reset (32 set-ups)
	30	Mold trial set-up memory (10 set-ups)
	31	Graphic monitor for injection speed and pressure
	32	Hour meter for maintenance
	33	Servo motor monitor
	34	100-shot monitor
	35	Records for parameter input, alarm and rejection product
	36	Monitoring data statistic processing
	37	Physical value setting (Speed, resin pressure, screw speed)
	38	Select switch for machine shut down alarm
	39	Alarm buzzer
	40	S.P.I. Robot Interface
	41	Printer interface
	42	Automatic lubrication abnormal alarm
Alarms	43	Servomotor abnormal alarm
	44	Motor thermal abnormal alarm (Carriage motor, mold height adjustment motor)
	45	V-P transfer alarm (Time, position, pressure)
	46	Screw recovery time alarm
	47	Cycle time alarm
	48	Barrel temperature alarm
	49	Hopper base temperature alarm
	50	Heater break alarm
	51	SSR abnormal alarm
	52	Thermocouple break alarm
	53	Temperature regulator preparation alarm
	54	Resin lack alarm
	55	Clamp alarm
	56	Production shot counter (preset type)

**Standard Accessories Continued**

<b>Counters</b>	57	Preparation shot counter (preset type)
	58	Reject shot counter (preset type)
	59	Reject continuous shot counter (preset counter)
	60	Shot counter for external conveyor
	61	Injection monitor at flexible screw position
	62	Auto Lubrication
<b>Others</b>	63	Spare grease cartridge
	64	Emergency stop button with lock
	65	Leveling pads for 500 ton and smaller models (Anchor bolts recommended for 720 ton and larger models)
	66	Special tools
	67	Low pressure mold clamping holding device

**Optional Accessories**

1	Recovery on the fly
2	External floppy disk drive memory
3	I/C Memory card reader
4	Printer
5	Ejector compression system (ECS)
6	Small size screw complete
7	Anti-wearing screw and barrel
8	High temperature molding speciality
9	Optional nozzle (long open/needle)
10	Ejector plate return confirmation
11	Special locating ring
12	Heat insulating board (thickness: 5mm)
13	Interface for product drop detector
14	Products chute
15	Quality discriminate detector
16	Warning light
17	Outlet
18	Interface for hot runner
19	Interface for unscrewing device (motor excluded)
20	Mold temperature regulator (electric heater)
21	Earth leakage breaker