



Injection Molding Machines in SAIJO INX

Facilities		Vertical 10t (ST10S2V)	Vertical 10t (STX10S2V)	Vertical 20t (ST20S2V)	Horizontal 15t (NEX15-1FN)
Appearance					
Diameter of screw	mm	19	16	16	16
Injection volume	cm ³	18	13	13	10
Injection pressure	Mpa	186	263	263	209
Plasticized capacity	Kg/h	9	6	6	4
Injection speed	mm/s	116	150/200	117	400
Rotational speed of screw	rpm	0 ~ 285	1 ~ 285	0 ~ 280	0 ~ 200
Injection stroke	mm	65	65	65	50
Clamping	KN	98	98	193	147
Clamping stroke	mm	170	170	200	160
Minimum thickness of die	mm	130	130	150	130
Maximum opening stroke	mm	300	300	350	420
Ejector stroke	mm	40	40	45	50
Measurement of die plate	mm	400 × 200	401 × 200	450 × 250	370 × 370
Processing range ¹	mm	45 × 45	46 × 45	70 × 70	45 × 45
Feature		Optimize to insert molding · Vertical injection molding · Tie bar less clamping Optimize to electronic miniature parts Save space Core-cassette 80*80 made in-house	Load hybrid pump · Optimize to high precise miniature parts · Optimize to thin connector Load nozzle for connector 1/2 start-up time Injection speed: 1.7 times at maximum Stable control Save energy: reduce 40% consumption electricity	Optimize to injection molding · Vertical injection molding machine · Tie bar less clamping Optimize to medium size parts Save space Core-cassette 120*120 made in-house	High speed and responsibility · Start-up: 4ms (15-30ms by electronic) · Filling up 1.2-1.4 times Increase/reduce pressure quickly and reduce residual stress · High responsibility of world class · Little curve and twist of precise miniature parts Control period: 50um high speed control Optimize to thin, low, and fine-pitch connector

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¹ It is by the original simple die system.