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CH 20260118-CV

## Vertical Injection Molding Machine

*Standard Machine, Single-Slide Machine, Double-Slide Machine,  
Rotary Table Machine, Two-Colour & Multi-Colour Machine*



# CHEN HSONG

## Powering Your Future in Intelligent Injection Molding

Driven by its founding principle, "Your Vision is Our Mission", the Chen Hsong Group, established in 1958 and publicly listed in Hong Kong since 1991, has evolved over nearly 70 years from an injection molding machine manufacturer into a one-stop total solutions provider in plastics manufacturing. As one of the world's largest producers of injection molding machines, Chen Hsong achieves unmatched quality through complete in-house manufacturing. This vertically integrated approach means controlling everything from ductile iron castings, parts fabrication and core components (such as advanced controllers) to final assembly. With a comprehensive product matrix serving diverse industries like automotive and medical, we are also spearheading smart manufacturing upgrades through the iChen™ Smart Family Suite, including the iChen™ Smart Factory MES, iChen™ Cloud platform, and iChen™ AI Molder, making the path to Industry 4.0 easily accessible for our global clientele.

**1,000,000m<sup>2</sup>**

R&D and Production Facilities (Five locations)

**85+**

Countries Globally

**1,000,000+**

Injection Molding Machines in the Field

**120+**

Global Technical & Service Centres



Hong Kong Headquarters



Shenzhen Industrial Park Facility **560000m<sup>2</sup>**



Taiwan Taoyuan Facility **30000m<sup>2</sup>**



Foshan Shunde - Two Facilities **150000m<sup>2</sup>**



Zhejiang Ningbo Facility **70000m<sup>2</sup>**



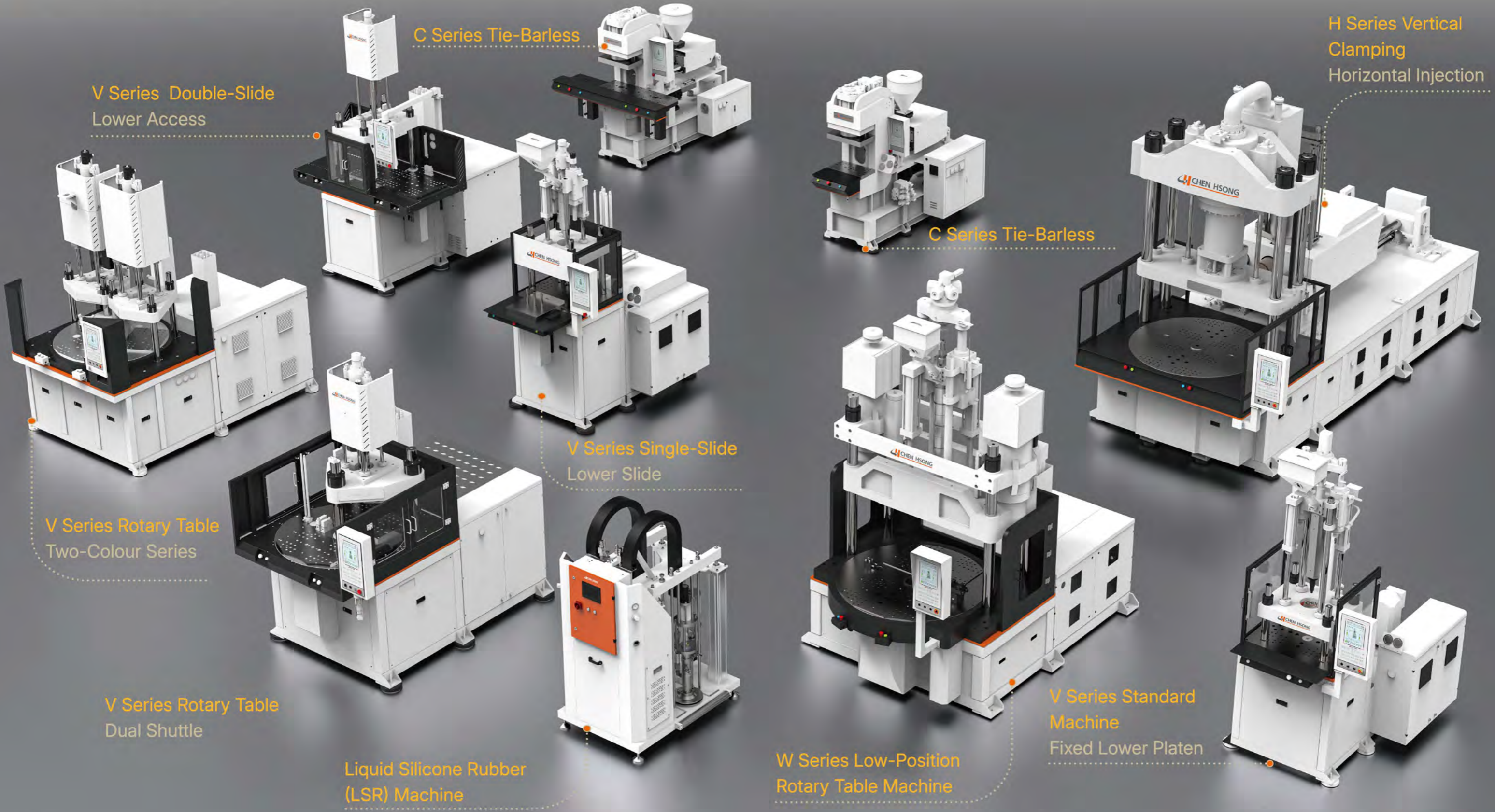
Shanwei Luhe Facility **62360m<sup>2</sup>**

## Over 1 Million+ Chen Hsong Machines Are in Operation Worldwide.

They all use Chen Hsong.



# Chen Hsong Vertical Injection Molding Machines



V Series Double-Slide  
Lower Access

C Series Tie-Barless

H Series Vertical  
Clamping  
Horizontal Injection

C Series Tie-Barless

V Series Single-Slide  
Lower Slide

V Series Rotary Table  
Two-Colour Series

V Series Rotary Table  
Dual Shuttle

Liquid Silicone Rubber  
(LSR) Machine

W Series Low-Position  
Rotary Table Machine

V Series Standard  
Machine  
Fixed Lower Platen

# Compact Structure, Supports Flexible Customisation

## Diverse Models to Meet Specific Needs Across Industries

### V Series

Vertical clamping with vertical injection

### W Series

Low-Position Rotary Table Machine

- Dual-Cylinder Two-Platen Machine
- Brake-Actuated Two-Platen Machine

### H Series

Vertical clamping with horizontal injection

### C Series

Vertical tie-barless clamping with horizontal injection



## All four series offer five mode options:

Standard Machine, Single-Slide Machine, Double-Slide Machine, Rotary Table Machine, Two-Colour & Multi-Colour Machine



Standard molds with high-riser components, enhancing versatility for thicker molds.

Left Injection Unit				Right Injection Unit			
射出	保压	位置	时间	射出	保压	位置	时间
压力 [bar]	速度 [mm/s]	位置 [mm]	时间 [s]	压力 [bar]	速度 [mm/s]	位置 [mm]	时间 [s]
一段 30.0	15.0	13.00	0.00	一段 0.0	0.0	0.000	0.000
二段 40.0	35.0	0.00	0.00	二段 60.0	50.0	0.00	0.00
				三段 70.0	60.0	0.00	0.00
冷卻時間 [20秒中] 時間 1.0 s				冷卻時間 [20秒中] 時間 2.0 s			
保壓時間 0.00 s				保壓時間 0.00 s			
射行時間 0.50 [s]				射行時間 0.00 [s]			
射壓壓力 0 bar				射壓壓力 0 bar			
射出口徑 0.00 mm				射出口徑 0.00 mm			
位置 0.00 13.00 mm				位置 0.00 00.00 mm			

Left Injection Unit

Right Injection Unit



Multi-station models come standard with independent injection parameter adjustment, adapting to varying mold wear conditions. This boosts production yield and ensures long-term operational stability.

# Specifications

## V Series Standard Machine (Fixed Lower Platen)

### Vertical Clamping with Vertical Injection



		UNIT	V35			V55			V85			V120			V160			V200		
<b>OPTIONAL OF INJECTION UNIT</b>			<b>A/B</b>			<b>A/B</b>			<b>A/B/C</b>			<b>A/B/C/D</b>			<b>C/D/E/F</b>			<b>C/D/E/F</b>		
CLAMPING UNIT	Clamping Force (Max.)	KN (tf)	343 (35)			539 (55)			833 (85)			1176 (120)			1568 (160)			1960 (200)		
	Clamp Opening Stroke (Max.)	mm	180			200			250			280			300			350		
	Mold Thickness (Min.)	mm	150 (200)			180 (260)			230 (330)			280 (380)			300 (400)			350 (450)		
	Max. Daylight	mm	330 (380)			380 (460)			480 (580)			560 (660)			600 (700)			700 (800)		
	Distance Between Tie Bars (H×V)	mm	370×210			445×255			500×385			760×380			860×420			910×450		
	Max. Mold Size	mm	350×340			425×380			550×480			740×580			840×710			890×770		
	Skateboard Size	mm	500×360			580×400			680×570			980×600			1170×730			1250×790		
	Locating Ring Diameter	mm	100			110			120			120			120			150		
	Ejector Stroke (Max.)	mm	40			40			50			95			95			110		
	Ejector Force (Max.)	KN (tf)	17.2 (1.75)			17.2 (1.75)			26.5 (2.7)			45 (4.6)			45 (4.6)			45 (4.6)		
QTY of Ejector	pcs	2+1			2+1			2+1			4+1			4+1			4+1			
System Pressure	Mpa (kgf/cm <sup>2</sup> )	13.7 (140)			13.7 (140)			13.7 (140)			13.7 (140)			13.7 (140)			13.7 (140)			
Oil Tank Capacity	L	130			140			280			340			500			800			
Electric Power	kW	6.4			9			12			16			20			32			
Machine Dimensions	L×W	mm	1550×1104			1660×1180			1960×1410			2000×1770			2330×1960			2400×2060		
	H	mm	2494 (2912)			2395 (3040)			2632 (3352)			3125 (3965)			3560 (4492)			4255 (5345)		
Machine Weight	ton	1.3			1.6			3.0			5.5			6.9			11.0			
		UNIT	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>			<b>F</b>		
INJECTION UNIT	Screw Diameter	mm	Φ22	Φ26	Φ28	Φ28	Φ32	Φ36	Φ32	Φ36	Φ40	Φ36	Φ40	Φ45	Φ45	Φ50	Φ55	Φ55	Φ60	Φ65
	Injection Stroke (Max.)	mm	140			140			140			160			200			240		
	Injection Capacity (Theoretical)	cm <sup>3</sup>	53	74	86	86	112	142	113	142	176	162	201	254	318	393	475	570	678	796
	Injection Shot Weight PS (Max.)	g (oz)	49 (1.7)	69 (2.4)	80 (2.8)	80 (2.8)	105 (3.7)	133 (4.6)	105 (3.7)	132 (4.7)	164 (5.8)	151 (5.3)	187 (6.5)	236 (8.3)	296 (10.4)	365 (12.8)	442 (15.5)	530 (18.6)	631 (22.2)	740 (26)
	Injection Pressure (Max.)	Mpa (kgf/cm <sup>2</sup> )	248 (2531)	177 (1812)	153 (1563)	212 (2170)	162 (1661)	128 (1313)	257 (2625)	203 (2074)	165 (1680)	222 (2269)	180 (1838)	142 (1452)	218 (2226)	177 (1803)	146 (1490)	236 (2407)	198 (2022)	170 (1732)
	Injection Rate (Max.)	cm <sup>3</sup> /s	44	61	71	65	86	108	68	86	106	98	121	153	126	156	188	185	220	260
	Injection Speed (Max.)	mm/s	133			123			97			111			91			90		
	Screw RPM (Max.)	r.p.m	0-220			0-240			0-300			0-300			0-300			0-300		
	Nozzle Out From Platens	mm	≥45			≥45			≥45			≥45			≥45			≥45		
	Nozzle R	mm	10			10			10			10			10			10		
Barrel Heating Power (Max.)	kW	3.6			5.5			6.4			10.7			13.8			24.3			

\* The company keeps upgrading the products and reserves the right to change the product specifications and parameters without prior notice. The final interpretation to the above specifications and parameters belongs to the company.

# Specifications

## V Series Single-Slide (Lower Slide)



### Vertical Clamping with Vertical Injection

		UNIT	V35S			V55S			V85S			V120S			V160S			V200S		
OPTIONAL OF INJECTION UNIT			A/B			A/B			A/B/C			A/B/C/D			C/D/E/F			C/D/E/F		
CLAMPING UNIT	Clamping Force (Max.)	KN (tf)	343 (35)			539 (55)			833 (85)			1176 (120)			1568 (160)			1960 (200)		
	Clamp Opening Stroke (Max.)	mm	180			200			250			280			300			350		
	Mold Thickness (Min.)	mm	150 (200)			180 (260)			230 (330)			280 (380)			300 (400)			350 (450)		
	Max. Daylight	mm	330 (380)			380 (460)			480 (580)			560 (600)			600 (700)			700 (800)		
	Distance Between Tie Bars (H×V)	mm	370×210			445×255			500×385			760×380			860×420			910×450		
	Max. Mold Size	mm	340×330			380×376			550×470			580×540			710×630			700×680		
	Skateboard Size	mm	440×350			500×396			620×490			670×560			730×650			860×700		
	Locating Ring Diameter	mm	100			110			120			120			120			150		
	Ejector Stroke (Max.)	mm	100			124			100			100			125			150		
	Ejector Force (Max.)	KN (tf)	21.5 (2.2)			21.5 (2.2)			26.5 (2.7)			45 (4.6)			45 (4.6)			45 (4.6)		
OTHERS	QTY of Ejector	pcs	2+1			2+1			2+1			4+1			4+1			4+1		
	System Pressure	Mpa (kgf/cm <sup>2</sup> )	13.7 (140)			13.7 (140)			13.7 (140)			13.7 (140)			13.7 (140)			13.7 (140)		
	Oil Tank Capacity	L	130			140			280			340			500			800		
	Electric Power	kW	7.5			11			11			18.5			22			37		
	Machine Dimensions	L×W	mm	1680×1152			2016×1265			2182×1436			2380×1770			2687×1960			2867×2060	
H		mm	2264 (2889)			2465 (3110)			2802 (3582)			3205 (4045)			3632 (4564)			4345 (5435)		
Machine Weight	ton	1.4			1.7			3.5			6.0			8.1			12.3			
		UNIT	A			B			C			D			E			F		
INJECTION UNIT	Screw Diameter	mm	Φ22	Φ26	Φ28	Φ28	Φ32	Φ36	Φ32	Φ36	Φ40	Φ36	Φ40	Φ45	Φ45	Φ50	Φ55	Φ55	Φ60	Φ65
	Injection Stroke (Max.)	mm	140			140			140			160			200			240		
	Injection Capacity (Theoretical)	cm <sup>3</sup>	53	74	86	86	112	142	113	142	176	162	201	254	318	393	475	570	678	796
	Injection Shot Weight PS (Max.)	g (oz)	49 (1.7)	69 (2.4)	80 (2.8)	80 (2.8)	105 (3.7)	132 (4.6)	105 (3.7)	132 (4.7)	164 (5.8)	151 (5.3)	187 (6.5)	236 (8.3)	296 (10.4)	365 (12.8)	442 (15.5)	530 (18.6)	631 (22.2)	740 (26)
	Injection Pressure (Max.)	Mpa (kgf/cm <sup>2</sup> )	248 (2531)	177 (1812)	153 (1563)	212 (2170)	162 (1661)	128 (1313)	257 (2625)	203 (2074)	165 (1680)	222 (2269)	180 (1838)	142 (1452)	218 (2226)	177 (1803)	146 (1490)	236 (2407)	198 (2022)	170 (1732)
	Injection Rate (Max.)	cm <sup>3</sup> /s	44	61	71	65	86	108	68	86	106	98	121	153	126	156	188	185	220	260
	Injection Speed (Max.)	mm/s	133			123			97			111			91			90		
	Screw RPM (Max.)	r.p.m	0-300			0-240			0-300			0-300			0-300			0-300		
	Nozzle Out From Platens	mm	≥45			≥45			≥45			≥45			≥45			≥45		
	Nozzle R	mm	10			10			10			10			10			10		
Barrel Heating Power (Max.)	kW	3.6			5.5			6.5			10.7			13.8			24.3			

# Specifications

## V Series Double-Slide (Lower Access)



### Vertical Clamping with Vertical Injection

		UNIT	V35SD			V55SD			V85SD			V120SD			V160SD			V200SD		
OPTIONAL OF INJECTION UNIT			A/B			A/B			A/B/C			A/B/C/D			C/D/E/F			C/D/E/F		
CLAMPING UNIT	Clamping Force (Max.)	KN (tf)	343 (35)			539 (55)			833 (85)			1176 (120)			1568 (160)			1960 (200)		
	Clamp Opening Stroke (Max.)	mm	180			200			250			280			300			350		
	Mold Thickness (Min.)	mm	150 (200)			180 (260)			230 (330)			280 (380)			300 (400)			350 (450)		
	Max. Daylight	mm	330 (380)			380 (460)			480 (580)			560 (660)			600 (700)			700 (800)		
	Distance Between Tie Bars (H×V)	mm	370×210			445×255			658×335			760×380			860×420			910×450		
	Max. Mold Size	mm	330×330			380×376			500×475			580×540			640×630			730×710		
	Skateboard Size	mm	750×350			890×396			1135×495			1290×560			1400×650			1590×710		
	Locating Ring Diameter	mm	100			110			120			120			120			150		
	Ejector Stroke (Max.)	mm	100			100			100			100			125			150		
	Ejector Force (Max.)	KN (tf)	17.2 (1.78)			26.5 (2.7)			26.5 (2.7)			45 (4.6)			45 (4.6)			45 (4.6)		
QTY of Ejector	pcs	1			2+1			2+1			4+1			4+1			4+1			
System Pressure	Mpa (kgf/cm <sup>2</sup> )	13.7 (140)			13.7 (140)			13.7 (140)			13.7 (140)			13.7 (140)			13.7 (140)			
Oil Tank Capacity	L	160			180			280			340			500			620			
Electric Power	kW	6.4+2.2			9+2.2			12+2.2			16+2.2			20+2.2			32+2.2			
Machine Dimensions	L×W	mm	1539×1180			1650×1380			2128×1824			2133×2235			2542×2675			2860×2450		
	H	mm	2287 (2907)			2460 (3105)			2730 (3470)			3205 (4045)			3622 (4654)			4345 (5435)		
Machine Weight	ton	1.6			2.1			3.6			5.8			7.9			13.8			
		UNIT	A			B			C			D			E			F		
INJECTION UNIT	Screw Diameter	mm	Φ22	Φ26	Φ28	Φ28	Φ32	Φ36	Φ32	Φ36	Φ40	Φ36	Φ40	Φ45	Φ45	Φ50	Φ55	Φ55	Φ60	Φ65
	Injection Stroke (Max.)	mm	140			140			140			160			200			240		
	Injection Capacity (Theoretical)	cm <sup>3</sup>	53	74	86	86	112	142	113	142	176	162	201	254	318	393	475	570	678	796
	Injection Shot Weight PS (Max.)	g (oz)	49 (1.7)	69 (2.4)	80 (2.8)	80 (2.8)	105 (3.7)	132 (4.6)	105 (3.7)	132 (4.7)	164 (5.8)	151 (5.3)	187 (6.5)	236 (8.3)	296 (10.4)	365 (12.8)	442 (15.5)	530 (18.6)	631 (22.2)	740 (26)
	Injection Pressure (Max.)	Mpa (kgf/cm <sup>2</sup> )	230 (2343)	164 (1678)	142 (1446)	212 (2170)	162 (1661)	128 (1313)	257 (2625)	203 (2074)	165 (1680)	222 (2269)	180 (1838)	142 (1452)	218 (2226)	177 (1803)	146 (1490)	236 (2407)	198 (222)	170 (1732)
	Injection Rate (Max.)	cm <sup>3</sup> /s	47	66	77	65	86	108	68	86	106	98	121	153	126	156	188	185	220	260
	Injection Speed (Max.)	mm/s	144			123			97			140			91			90		
	Screw RPM (Max.)	r.p.m	0-300			0-240			0-300			0-300			0-300			0-220		
	Nozzle Out From Platens	mm	≥45			≥45			≥45			≥45			≥45			≥45		
	Nozzle R	mm	10			10			10			10			10			10		
Barrel Heating Power (Max.)	kW	3.6			5.5			6.4			10.7			13.8			24.3			

# Specifications

## V Series Rotary Table (Dual Shuttle)



### Vertical Clamping with Vertical Injection

		UNIT	V35R2			V55R2			V85R2			V120R2			V160R2			
OPTIONAL OF INJECTION UNIT			A/B			A/B			A/B/C			A/B/C/D			C/D/E/F			
CLAMPING UNIT	Clamping Force (Max.)	KN (tf)	343 (35)			539 (55)			833 (85)			1176 (120)			1568 (160)			
	Clamp Opening Stroke (Max.)	mm	180			200			250			280			300			
	Mold Thickness (Min.)	mm	150 (200)			180 (260)			230 (330)			280 (380)			300 (400)			
	Max. Daylight	mm	350 (400)			380 (460)			480 (580)			560 (660)			600 (700)			
	Distance Between Tie Bars (H×V)	mm	---			---			---			---			---			
	Max. Mold Size	mm	280×280			300×300			340×340			400×400			500×500			
	Skateboard Size	mm	Φ780			Φ880			Φ980			Φ1170			Φ1360			
	Locating Ring Diameter	mm	100			110			120			120			120			
	Ejector Stroke (Max.)	mm	75			100			100			110			110			
	Ejector Force (Max.)	KN (tf)	26.5 (2.7)			26.5 (2.7)			45 (4.6)			45 (4.6)			45 (4.6)			
OTHERS	QTY of Ejector	pcs	2+1			2+1			2+1			4+1			4+1			
	System Pressure	Mpa (kgf/cm <sup>2</sup> )	13.7 (140)			13.7 (140)			13.7 (140)			13.7 (140)			13.7 (140)			
	Oil Tank Capacity	L	200			300			310			410			500			
	Electric Power	kW	7.5+2.2			13.4+2.2			15+2.2			16+2.2			22+2.2			
	Machine Dimensions	L×W	mm	1865×1500			2314×1556			2145×1772			2771×1832			2670×2140		
		H	mm	2270 (1885)			2554 (3141)			2760 (3500)			3330 (4198)			3567 (4467)		
Machine Weight	ton	2.1			2.6			4.2			6.4			9.4				
		UNIT	A			B			C			D			E			
INJECTION UNIT	Screw Diameter	mm	Φ22	Φ25	Φ28	Φ28	Φ32	Φ36	Φ32	Φ36	Φ40	Φ36	Φ40	Φ45	Φ45	Φ50	Φ55	
	Injection Stroke (Max.)	mm	140			140			140			160			200			
	Injection Capacity (Theoretical)	cm <sup>3</sup>	53	68	86	86	112	142	113	142	176	162	201	254	318	393	475	
	Injection Shot Weight PS (Max.)	g (oz)	49 (1.7)	64 (2.2)	80 (2.8)	80 (2.8)	105 (3.7)	132 (4.6)	105 (3.7)	132 (4.7)	164 (5.8)	151 (5.3)	187 (6.5)	236 (8.3)	296 (10.4)	365 (12.8)	442 (15.5)	
	Injection Pressure (Max.)	Mpa (kgf/cm <sup>2</sup> )	248 (2531)	192 (1960)	153 (1563)	212 (2170)	162 (1661)	128 (1313)	257 (2625)	203 (2074)	165 (1680)	222 (2269)	180 (1838)	142 (1452)	218 (2226)	177 (1803)	146 (1490)	
	Injection Rate (Max.)	cm <sup>3</sup> /s	44	57	71	65	86	108	68	86	106	98	121	153	126	156	188	
	Injection Speed (Max.)	mm/s	133			123			97			111			91			
	Screw RPM (Max.)	r.p.m	0-300			0-240			0-300			0-300			0-300			
	Nozzle Out From Platens	mm	≥45			≥45			≥45			≥45			≥45			
	Nozzle R	mm	10			10			10			10			10			
Barrel Heating Power (Max.)	kW	3.6			5.5			6.4			10.7			13.8				

# Specifications

## V Series Rotary Table (Dual Shuttle)



### Vertical Clamping with Vertical Injection

		UNIT	V200R2			V250R2			V300R2			V350R2			V400R2		
<b>OPTIONAL OF INJECTION UNIT</b>			<b>C/D/E/F</b>			<b>C/D/E/F</b>			<b>D/E/F/H</b>			<b>D/E/F/H</b>			<b>C/D/E/F</b>		
CLAMPING UNIT	Clamping Force (Max.)	KN (tf)	1960 (200)			2450 (250)			2940 (300)			3430 (350)			3920 (400)		
	Clamp Opening Stroke (Max.)	mm	350			350			400			400			450		
	Mold Thickness (Min.)	mm	350 (450)			350 (450)			400 (500)			500 (600)			600 (700)		
	Max. Daylight	mm	700 (800)			700 (800)			800 (900)			900 (1000)			1050 (1150)		
	Distance Between Tie Bars (H×V)	mm	---			---			---			---			---		
	Max. Mold Size	mm	590×590			670×670			670×670			760×760			760×760		
	Skateboard Size	mm	Φ1590			Φ1800			Φ1800			Φ2000			Φ2000		
	Locating Ring Diameter	mm	150			150			150			150			150		
	Ejector Stroke (Max.)	mm	150			150			150			150			150		
	Ejector Force (Max.)	KN (tf)	45 (4.6)			45 (4.6)			69 (7.0)			69 (7.0)			69 (7.0)		
QTY of Ejector	pcs	4+1			4+1			4+1			4+1			4+1			
System Pressure	Mpa (kgf/cm <sup>2</sup> )	13.7 (140)			13.7 (140)			17.2 (175)			17.2 (175)			17.2 (175)			
Oil Tank Capacity	L	650			750			820			960			960			
Electric Power	kW	37+2.2			37+2.2			45+2.2			37+37+3.7			37+37+3.7			
Machine Dimensions	L×W	mm	3136×2365			3656×2465			3656×2465			4230×2570			4710×2730		
	H	mm	4205 (5295)			4205 (5295)			4610 (5910)			4935 (6215)			5325 (6620)		
Machine Weight	ton	14			17.5			19.5			23			25			
		UNIT	<b>F</b>			<b>F</b>			<b>F</b>			<b>H</b>			<b>H</b>		
INJECTION UNIT	Screw Diameter	mm	Φ55	Φ60	Φ65	Φ60	Φ65	Φ70	Φ65	Φ70	Φ75	Φ70	Φ75	Φ80	Φ85	Φ90	Φ95
	Injection Stroke (Max.)	mm	240			240			240			360			360		
	Injection Capacity (Theoretical)	cm <sup>3</sup>	570	678	796	678	795	923	795	923	1059	1384	1590	1808	2042	2290	2550
	Injection Shot Weight PS (Max.)	g (oz)	530 (18.6)	631 (22.2)	740 (26)	631 (22.2)	740 (26)	858 (30)	740 (26)	858 (30)	985 (34)	1287 (45)	1478 (51)	1682 (59)	1898 (66)	2128 (74)	2371 (83)
	Injection Pressure (Max.)	Mpa (kgf/cm <sup>2</sup> )	236 (2407)	198 (2022)	170 (1732)	198 (2022)	169 (1723)	146 (1486)	211 (2154)	181 (1857)	158 (1618)	277 (2829)	241 (2464)	212 (2166)	187 (1918)	167 (1711)	150 (1536)
	Injection Rate (Max.)	cm <sup>3</sup> /s	185	220	260	220	260	300	260	300	345	316	363	413	465	522	581
	Injection Speed (Max.)	mm/s	90			90			90			94			94		
	Screw RPM (Max.)	r.p.m	0-300			0-240			0-240			0-240			0-240		
	Nozzle Out From Platens	mm	≥45			≥45			≥45			≥45			≥45		
	Nozzle R	mm	10			10			10			10			10		
Barrel Heating Power (Max.)	kW	24.3			24.3			24.3			34.5			34.5			

# Specifications

## V Series Rotary Table Two-Colour Series



### Vertical Clamping with Vertical Injection

		UNIT	V120R3-2C			V170R3-2C			V250R3-2C			V300R3-2C			V500R3-2C					
OPTIONAL OF INJECTION UNIT			A/B			A/B/C			A/B/C/D			C/D/E/F			C/D/E/F					
CLAMPING UNIT	Clamping Force (Max.)	KN (tf)	588 (60) + 588 (60)			833 (85) + 833 (85)			1225 (125)+1225 (125)			1176 (120) / 1764 (180)			2450 (250) / 2450 (250)					
	Clamp Opening Stroke (Max.)	mm	200/200			300/300			280/280			280/300			350/350					
	Mold Thickness (Min.)	mm	350 (450)			415 (515)			435 (535)			480 (580)			550 (650)					
	Max. Daylight	mm	550 (660)/550 (660)			715 (815)/715 (815)			715 (815)/715 (815)			760 (860)/880 (980)			900 (1000)/900 (1000)					
	Distance Between Tie Bars (H×V)	mm	---			---			---			---			---					
	Max. Mold Size	mm	400×350			450×450			720×460			720×460			720×460					
	Skateboard Size	mm	Φ1170			Φ1360			Φ1590			Φ1800			Φ2000					
	Locating Ring Diameter	mm	100			120			120			120			150					
	Ejector Stroke (Max.)	mm	100			100			100			110			125					
	Ejector Force (Max.)	KN (tf)	45 (4.6)			45 (4.6)			45 (4.6)			45 (4.6)			45 (4.6)					
QTY of Ejector	pcs	2+1			2+1			4+1			4+1			4+1						
System Pressure	Mpa (kgf/cm <sup>2</sup> )	15.7 (160)			13.7 (140)			13.7 (140)			13.7 (140)			17.2 (4.6)						
Oil Tank Capacity	L	320			650			650			650			750						
Electric Power	kW	11+11+2.2			15+15+2.2			18.5+18.5+2.2			18.5+22+2.2			37+37+2.2						
Machine Dimensions	L×W	mm	2715×1851			2815×2313			3135×2330			3334×2520			4155×3155					
	H	mm	2659 (3244)			3385 (4015)			3010 (3795)			3391 (4124)			4725 (6025)					
Machine Weight	ton	5.8			11			12			15			34.8						
		UNIT	A			B			C			D			E			F		
INJECTION UNIT	Screw Diameter	mm	Φ22	Φ25	Φ28	Φ28	Φ32	Φ36	Φ32	Φ36	Φ40	Φ36	Φ40	Φ45	Φ45	Φ50	Φ55	Φ55	Φ60	Φ65
	Injection Stroke (Max.)	mm	140			140			140			160			200			240		
	Injection Capacity (Theoretical)	cm <sup>3</sup>	53	68	86	86	112	142	113	142	176	162	201	254	318	393	475	570	678	796
	Injection Shot Weight PS (Max.)	g (oz)	49 (1.7)	64 (2.2)	80 (2.8)	80 (2.8)	105 (3.7)	132 (4.6)	105 (3.7)	132 (4.7)	164 (5.8)	151 (5.3)	187 (6.5)	236 (8.3)	296 (10.4)	365 (12.8)	442 (15.5)	530 (18.6)	631 (22.2)	740 (26)
	Injection Pressure (Max.)	Mpa (kgf/cm <sup>2</sup> )	248 (2531)	192 (1960)	153 (1563)	212 (2170)	162 (1661)	128 (1313)	257 (2625)	203 (2074)	165 (1680)	222 (2269)	180 (1838)	142 (1452)	218 (2226)	177 (1803)	146 (1490)	236 (2407)	198 (2022)	170 (1732)
	Injection Rate (Max.)	cm <sup>3</sup> /s	44	57	71	65	86	108	68	86	106	98	121	153	126	156	188	185	220	260
	Injection Speed (Max.)	mm/s	133			123			97			111			91			90		
	Screw RPM (Max.)	r.p.m	0-300			0-240			0-300			0-300			0-300			0-300		
	Nozzle Out From Platens	mm	≥45			≥45			≥45			≥45			≥45			≥45		
	Nozzle R	mm	10			10			10			10			10			10		
Barrel Heating Power (Max.)	kW	3.6			5.5			6.4			10.7			13.8			24.3			

# Specifications

## W Series Low-Position Rotary Table Machine

- Dual-Cylinder Two-Platen Machine
- Brake-Actuated Two-Platen Machine



		UNIT	WF85R2	WF120R2	WF160R2	WF200R2	WF250R2										
CLAMPING UNIT	Clamping Force (Max.)	KN (tf)	833 (85)	1176 (120)	1568 (160)	1960 (200)	2450 (250)										
	Clamp Opening Stroke (Max.)	mm	280	300	350	350	400										
	Mold Thickness (Min.)	mm	230	280	300	350	350										
	Max. Daylight	mm	510	580	650	700	750										
	Distance Between Tie Bars (H×V)	mm	---	---	---	---	---										
	Max. Mold Size	mm	340×340/450×260	400×400/540×340	500×500/680×430	590×590/850×450	670×670/840×650										
	Skateboard Size	mm	Φ980	Φ1170	Φ1360	Φ1590	Φ1800										
	Locating Ring Diameter	mm	120	120	120	150	150										
	Ejector Stroke (Max.)	mm	100	100	110	125	125										
	Ejector Force (Max.)	KN (tf)	45 (4.6)	45 (4.6)	45 (4.6)	45 (4.6)	45 (4.6)										
QTY of Ejector	pcs	2+1	4+1	4+1	4+1	4+1											
OTHERS	System Pressure	Mpa (kgf/cm <sup>2</sup> )	17.2 (175)	17.2 (175)	17.2 (175)	17.2 (175)	17.2 (175)										
	Oil Tank Capacity	L	320	270	450	480	600										
	Electric Power	kW	15+2.2	20+2.2	22+2.2	37+2.2	37+2.2										
	Machine Dimensions	L×W	mm	2515×1710	2515×2000	3011×2130	3050×2450	3335×2640									
		H	mm	2510 (2950)	2831 (3681)	3320 (4120)	3740 (4730)	4450 (4950)									
Machine Weight	ton	6.2	7.5	9.7	15.5	20.5											
		UNIT	C			D			E			F			F		
INJECTION UNIT	Screw Diameter	mm	Φ32	Φ36	Φ40	Φ36	Φ40	Φ45	Φ45	Φ50	Φ55	Φ55	Φ60	Φ65	Φ60	Φ65	Φ70
	Injection Stroke (Max.)	mm	140			160			200			240			240		
	Injection Capacity (Theoretical)	cm <sup>3</sup>	113	142	176	162	201	254	318	393	475	570	678	796	678	795	923
	Injection Shot Weight PS (Max.)	g (oz)	105 (3.7)	132 (4.7)	164 (5.8)	151 (5.3)	187 (6.5)	236 (8.3)	296 (10.4)	365 (12.8)	442 (15.5)	530 (18.6)	631 (22.2)	740 (26)	631 (22.2)	740 (26)	858 (30)
	Injection Pressure (Max.)	Mpa (kgf/cm <sup>2</sup> )	257 (2625)	203 (2074)	165 (1680)	226 (2269)	180 (1838)	142 (1452)	218 (2226)	177 (1803)	146 (1490)	236 (2407)	198 (2022)	170 (1732)	198 (2022)	169 (1723)	146 (1486)
	Injection Rate (Max.)	cm <sup>3</sup> /s	68	86	106	98	121	153	126	156	188	185	220	260	220	260	300
	Injection Speed (Max.)	mm/s	97			111			91			90			90		
	Screw RPM (Max.)	r.p.m	0-300			0-300			0-300			0-300			0-240		
	Nozzle Out From Platens	mm	≥45			≥45			≥45			≥45			≥45		
	Nozzle R	mm	10			10			10			10			10		
Barrel Heating Power (Max.)	kW	6.4			11			13.8			24.3			24.3			

# Specifications

## W Series Low-Position Rotary Table Machine

- Dual-Cylinder Two-Platen Machine
- Brake-Actuated Two-Platen Machine



		UNIT	WF300R2			WF350R2			WF400R2			WF500R2			WF600R2			
CLAMPING UNIT	Clamping Force (Max.)	KN (tf)	2940 (300)			3430 (350)			3920 (400)			4900 (500)			5880 (600)			
	Clamp Opening Stroke (Max.)	mm	400			450			450			550			650			
	Mold Thickness (Min.)	mm	400			500			600			700			800			
	Max. Daylight	mm	800			950			1050			1250			1450			
	Distance Between Tie Bars (H×V)	mm	---			---			---			---			---			
	Max. Mold Size	mm	670×670/840×650			760×760/950×630			760×760/950×630			840×840/1100×720			950×950/1300×800			
	Skateboard Size	mm	Φ1800			Φ2000			Φ2000			Φ2200			Φ2400			
	Locating Ring Diameter	mm	150			150			200			220			240			
	Ejector Stroke (Max.)	mm	150			150			180			180			180			
	Ejector Force (Max.)	KN (tf)	68.9 (7.0)			68.9 (7.0)			98 (10)			98 (10)			98 (10)			
QTY of Ejector	pcs	4+1			4+1			4+1			8+1			8+1				
OTHERS	System Pressure	Mpa (kgf/cm <sup>2</sup> )	17.2 (175)			17.2 (175)			17.2 (175)			17.2 (175)			17.2 (175)			
	Oil Tank Capacity	L	700			910			960			1100			1200			
	Electric Power	kW	37+2.2			37+37+4			37+37+4			55+45+4			55+45+4			
	Machine Dimensions	L×W	mm	3335×2640			3600×2900			3600×2900			3800×3000			3800×3200		
		H	mm	4630 (5130)			4910 (5510)			5320 (6620)			5600 (6900)			5600 (6900)		
Machine Weight	ton	23.7			25.0			28.5			31			33.5				
		UNIT	F			H			H			I			I			
INJECTION UNIT	Screw Diameter	mm	Φ65	Φ70	Φ75	Φ70	Φ75	Φ80	Φ85	Φ90	Φ95	Φ100	Φ105	Φ110	Φ105	Φ110	Φ115	
	Injection Stroke (Max.)	mm	240			360			360			450			450			
	Injection Capacity (Theoretical)	cm <sup>3</sup>	795	923	1059	1384	1590	1808	2042	2290	2550	3532	3894	4274	3894	4274	4671	
	Injection Shot Weight PS (Max.)	g (oz)	740 (26)	858 (30)	985 (34)	1287 (45)	1478 (51)	1682 (59)	1898 (66)	2128 (74)	2371 (83)	3285 (115)	3621 (127)	3975 (139)	3621 (127)	3975 (139)	4344 (152)	
	Injection Pressure (Max.)	Mpa (kgf/cm <sup>2</sup> )	211 (2154)	181 (1857)	158 (1618)	277 (2829)	241 (2464)	212 (2166)	187 (1918)	167 (1711)	150 (1536)	190 (1943)	172 (1762)	157 (1605)	172 (1762)	157 (1605)	144 (1469)	
	Injection Rate (Max.)	cm <sup>3</sup> /s	260	300	345	316	363	413	465	522	581	655	722	793	722	793	867	
	Injection Speed (Max.)	mm/s	90			94			94			95			95			
	Screw RPM (Max.)	r.p.m	0-240			0-240			0-240			10-140			10-140			
	Nozzle Out From Platens	mm	≥45			≥45			≥45			≥80			≥80			
	Nozzle R	mm	10			10			10			15			15			
Barrel Heating Power (Max.)	kW	24.3			34.5			34.5			45.6			45.6				

# Specifications

## H Series Vertical Clamping (Horizontal Injection)

### Vertical Clamping with Horizontal Injection



		UNIT	85				120				160				
			H85	H85S	H85SD	H85R	H120	H120S	H120SD	H120R	H160	H160S	H160SD	H160R	
CLAMPING UNIT	Clamping Force (Max.)	KN (tf)	882 (90)				1176 (120)				1568 (160)				
	Clamp Opening Stroke (Max.)	mm	300				350				400				
	Mold Thickness (Min.)	mm	200 (250)				250 (300)				300 (350)				
	Max. Daylight	mm	500 (550)				600 (650)				700 (750)				
	Distance Between Tie Bars (H×V)	mm	658×335				760×380				860×420				
	Max. Mold Size	mm	868×545	540×490	1135×495	---	995×615	600×560	1290×560	---	1170×730	730×650	1400×650	---	
	Skateboard Size		---	---	---	Φ880	---	---	---	Φ980	---	---	---	Φ1170	
	Locating Ring Diameter	mm	120				120				120				
	Ejector Stroke (Max.)	mm	100				100				125				
	Ejector Force (Max.)	KN (tf)	33.3 (3.4)				56.8 (5.8)				56.8 (5.8)				
QTY of Ejector	pcs	2+1				2+1				2+1					
OTHERS	System Pressure	Mpa (kgf/cm <sup>2</sup> )	17.2 (175)				17.2 (175)				17.2 (175)				
	Oil Tank Capacity	L	165				340				445				
	Electric Power	kW	15 (20)				18.5 (25)				22.5 (30)				
	Machine Dimensions	L×W	mm	2865×1230	2865×1600	2865×1900	3080×1630	3385×1260	3385×1670	3385×2240	3135×1790	3720×1370	3740×1960	3740×2450	3720×2175
		H	mm	2555 (2605)	2660 (2710)	2660 (2710)	2550 (2600)	2840 (2890)	2940 (2990)	2940 (2990)	2860 (2910)	3050 (3100)	3080 (3130)	3080 (3130)	3265 (3315)
Machine Weight	ton	3.8	4.2	4.5	4.9	6.2	6.6	6.9	7.0	7.5	7.8	8.5	9.8		
		UNIT	85				120				160				
INJECTION UNIT	Screw Diameter	mm	Φ30		Φ35	Φ40	Φ35		Φ40	Φ45	Φ40		Φ45	Φ50	
	Injection Stroke (Max.)	mm	160				160				230				
	Injection Capacity (Theoretical)	cm <sup>3</sup>	113		154	201	154		201	254	276		350	432	
	Injection Shot Weight PS (Max.)	g (oz)	105 (3.7)		143 (5)	187 (6.6)	143 (5)		187 (6.6)	236 (8.3)	257 (9)		326 (11.5)	402 (14)	
	Injection Pressure (Max.)	Mpa (kgf/cm <sup>2</sup> )	267 (2722)		196 (2000)	150 (1530)	254 (2592)		195 (1985)	154 (1568)	245 (2494)		193 (1970)	156 (1596)	
	Injection Rate (Max.)	cm <sup>3</sup> /s	95		125	163	125		163	207	162		205	253	
	Injection Speed (Max.)	mm/s	130				130				129				
	Screw RPM (Max.)	r.p.m	0-300				0-300				0-300				
	Nozzle R	mm	10				10				10				
Barrel Heating Power (Max.)	kW	7.2				8.4				9.5					

# Specifications

## H Series Vertical Clamping (Horizontal Injection)

### Vertical Clamping with Horizontal Injection



		UNIT	220				300				400				500				
			H220	H220S	H220SD	H220R	H300	H300S	H300SD	H300R	H400	H400S	H400SD	H400R	H500	H500S	H500SD	H500R	
CLAMPING UNIT	Clamping Force (Max.)	KN (tf)	2156 (220)				2940 (300)				3920 (400)				4900 (500)				
	Clamp Opening Stroke (Max.)	mm	450				500				500				500				
	Mold Thickness (Min.)	mm	350 (400)				400 (450)				400 (450)				450 (500)				
	Max. Daylight	mm	800 (850)				900 (950)				1000 (1050)				1150 (1200)				
	Distance Between Tie Bars (H×V)	mm	910×450				1060×680				1280×950				1460×1100				
	Max. Mold Size	mm	1250×790	790×700	1590×700	---	1440×1060	1050×800	2100×800	---	1560×1145	1125×885	2215×885	---	1680×1235	1285×1020	2415×1020	---	
	Skateboard Size		---	---	---	Φ1360	---	---	---	Φ1590	---	---	---	Φ1690	---	---	---	Φ1800	
	Locating Ring Diameter	mm	150				150				150				150				
	Ejector Stroke (Max.)	mm	125				150				200				200				
	Ejector Force (Max.)	KN (tf)	56.8 (5.8)				56.8 (5.8)				86.2 (8.8)				86.2 (8.8)				
QTY of Ejector	pcs	2+1				4+1				4+1				4+1					
OTHERS	System Pressure	Mpa (kgf/cm <sup>2</sup> )	17.2 (175)				17.2 (175)				17.2 (175)				17.2 (175)				
	Oil Tank Capacity	L	580				720				800				1050				
	Electric Power	kW	30 (40)				37.5 (50)				45 (60)				56.2 (75)				
	Machine Dimensions	L×W	mm	4000×1600	4000×2090	4000×2750	3975×2045	4930×1980	4930×2590	4930×2940	4480×2755	5560×2280	5560×3040	5560×3480	5010×2730	6230×2530	6230×3750	6230×3750	5420×3040
		H	mm	3350 (3400)	3470 (3520)	3470 (3520)	3535 (3585)	3750 (3800)	3870 (3920)	3870 (3920)	3885 (3935)	4000 (4050)	4120 (4170)	4120 (4170)	4150 (4200)	4300 (4350)	4450 (4500)	4450 (4500)	4620 (4670)
Machine Weight	ton	9.7	10.2	10.6	11.6	13.0	14.5	15.2	16.5	16.8	18.7	21.0	23.8	18.5	22.8	25.6	28.5		
		UNIT	220				300				400				500				
INJECTION UNIT	Screw Diameter	mm	Φ45		Φ50	Φ55	Φ60		Φ65	Φ70	Φ65		Φ70	Φ75	Φ70		Φ72	Φ85	
	Injection Stroke (Max.)	mm	240				300				325				350				
	Injection Capacity (Theoretical)	cm <sup>3</sup>	382				471				570				848				
	Injection Shot Weight PS (Max.)	g (oz)	355 (12.5)				438 (15.4)				530 (18.7)				788 (27.8)				
	Injection Pressure (Max.)	Mpa (kgf/cm <sup>2</sup> )	244 (2489)				198 (2016)				163 (1666)				198 (2022)				
	Injection Rate (Max.)	cm <sup>3</sup> /s	198				245				297				288				
	Injection Speed (Max.)	mm/s	125				102				112				113				
	Screw RPM (Max.)	r.p.m	0-220				0-220				0-200				0-160				
	Nozzle R	mm	10				10				10				10				
Barrel Heating Power (Max.)	kW	13				20				26				32					

# Specifications

## C Series Tie-Barless



### Vertical Tie-barless Clamping with Horizontal Injection

		UNIT	C55	C55SD	C55R	C85	C85SD	C85R	
CLAMPING UNIT	Clamping Force (Max.)	KN (tf)	539(55)	539 (55)	539 (55)	833 (85)	833 (85)	833 (85)	
	Clamp Opening Stroke (Max.)	mm		200			280		
	Mold Thickness (Min.)	mm		175			185		
	Max. Daylight	mm		375			455		
	Max. Mold Size	mm	450×200	450×200	320×320	500×350	500×300	370×370	
	Platen/Rotary Table Size	mm	490×288	1050×290	Φ880	590×396	1160×380	Φ980	
	Locating Ring Diameter	mm	80	80	80	120	120	120	
	Ejector Stroke (Max.)	mm		90			90		
	Ejector Force (Max.)	KN (tf)	26.5 (2.7)	26.5 (2.7)	26.5 (2.7)		26.5 (2.7)		
	QTY of Ejector	pcs	2+1	2+1	2+1	2+1	2+1	2+1	
OTHERS	System Pressure	Mpa (kgf/cm <sup>2</sup> )	13.7 (140)	13.7 (140)	13.7 (140)		13.7 (140)		
	Oil Tank Capacity	L	185	240	240	350	325	350	
	Electric Power	kW	7.5 (10)	11 (15)	11 (15)		15 (20)		
	Machine Dimensions	L×W	mm	2410×1040	2350×1700	2760×1155	2870×1250	2790×1900	3220×1310
		H	mm	1940	1940	1940	2527	2445	2320
Machine Weight	ton	3	4.1	4.6	5.2	5.9	6.8		
		UNIT	C55	C55SD	C55R	C85	C85SD	C85R	
INJECTION UNIT	Screw Diameter	mm	Φ25    Φ30	Φ38    Φ42	Φ42	Φ38	Φ42	Φ50	
	Injection Stroke (Max.)	mm	150	150	150	160	160	160	
	Injection Capacity (Theoretical)	cm <sup>3</sup>	69    106	170    208	208	181	222	314	
	Injection Shot Weight PS (Max.)	g (oz)	64 (2.2)    98 (3.5)	158 (5.5)    193 (6.8)	193 (6.8)	168 (5.9)	206 (7.3)	292 (10.3)	
	Injection Pressure (Max.)	Mpa (kgf/cm <sup>2</sup> )	286 (2912)    214 (2178)	133 (1357)    109 (1111)	109 (1111)	173 (1760)	141 (1440)	100 (1016)	
	Injection Rate (Max.)	cm <sup>3</sup> /s	69    72	117    143	142	125	153	217	
	Injection Speed (Max.)	mm/s	103    103	103    103	103		111		
	Screw RPM (Max.)	r.p.m		0-240			0-300		
	Nozzle R	mm	10	10	10	10	10	10	
	Barrel Heating Power (Max.)	kW		6.8			7.5		

# Specifications

## Silicone Series Double-Slide System



		UNIT	V85SD-LSR			V120SD-LSR			V160SD-LSR			V200SD-LSR			
<b>OPTIONAL OF INJECTION UNIT</b>			SPII/AB/C			SPII/AB/C			AB/C/D			C/D/E			
CLAMPING UNIT	Clamping Force (Max.)	KN (tf)	833 (85)			1176 (120)			1568 (160)			1960 (200)			
	Clamp Opening Stroke (Max.)	mm	250			280			300			350			
	Mold Thickness (Min.)	mm	220 (300)			220 (320)			240 (340)			350 (450)			
	Max. Daylight	mm	470 (550)			500 (600)			540 (640)			700 (800)			
	Distance Between Tie Bars (H×V)	mm	658×335			760×380			860×420			910 (450)			
	Max. Mold Size	mm	500×475			600×540			640×630			730 (710)			
	Platen Dimensions (H×V)	mm	1135×495			1290×560			1500×650			1590 (710)			
	Locating Ring Diameter	mm	120			120			120			150			
	Ejector Stroke (Max.)	mm	80			110			110			110			
	Ejector Force (Max.)	KN (tf)	32 (3.3)			45 (4.6)			45 (4.6)			45 (4.6)			
	QTY of Ejector	pcs	2+1			2+1			4+1			4+1			
OTHERS	System Pressure	Mpa (kgf/cm <sup>2</sup> )	13.7 (140)			13.7 (140)			13.7 (140)			13.7 (140)			
	Oil Tank Capacity	L	280			340			500			620			
	Electric Power	kW	15 (20)			18.5 (25)			22.5 (30)			37.5 (50)			
	Machine Dimensions	L×W	mm	2284×1813			2180×2235			2542×2675			2860×2450		
		H	mm	2372 (2997)			2781 (3446)			3148 (3883)			4345 (5435)		
Machine Weight	ton	3.7			5.9			9.1			13.8				
		UNIT	SPII			AB			C			D		F	
INJECTION UNIT	Screw Diameter	mm	Φ18	Φ22	Φ28	Φ28	Φ35	Φ40	Φ40	Φ45	Φ55	Φ55	Φ60	Φ70	
	Injection Stroke (Max.)	mm	115			140			140			160		200	
	Injection Capacity (Theoretical)	cm <sup>3</sup>	29	43	70	86	134	175	175	222	332	379	452	769	
	Injection Pressure (Max.)	Mpa (kgf/cm <sup>2</sup> )	254 (2593)	170 (1736)	105 (1071)	213 (2170)	136 (1389)	104 (1063)	165 (1680)	130 (1327)	87 (889)	95 (972)	80 (817)	90 (920)	
	Injection Rate (Max.)	cm <sup>3</sup> /s	68	102	166	102	160	210	167	212	316	367	437	485	
	Injection Speed (Max.)	mm/s	311			192			153			177		145	
	Screw RPM (Max.)	r.p.m	0-300			0-300			0-300			0-300		0-300	
	Nozzle R	mm	10			10			10			10		10	
Nozzle Out From Platens	mm	≥45			≥45			≥45			≥45		≥45		

# Specifications

## Silicone Series Rotary Table Machine



		UNIT	V85R2-LSR			V120R2-LSR			V160R2-LSR			V200R2-LSR		
<b>OPTIONAL OF INJECTION UNIT</b>			<b>SPII/AB/C</b>			<b>SPII/AB/C</b>			<b>AB/C/D</b>			<b>C/D/E</b>		
CLAMPING UNIT	Clamping Force (Max.)	KN (tf)	833 (85)			1176 (120)			1568 (160)			1960 (200)		
	Clamp Opening Stroke (Max.)	mm	250			280			300			350		
	Mold Thickness (Min.)	mm	320 (420)			320 (420)			320 (420)			350 (450)		
	Max. Daylight	mm	570 (670)			600 (700)			620 (720)			700 (800)		
	Max. Mold Size	mm	450×400			450×400			650×450			590×590		
	Turntable Size	mm	Φ1170			Φ1170			Φ1360			Φ1590		
	Locating Ring Diameter	mm	120			120			120			150		
	Ejector Stroke (Max.)	mm	90			90			110			110		
	Ejector Force (Max.)	KN (tf)	45 (4.6)			45 (4.6)			45 (4.6)			45 (4.6)		
	QTY of Ejector	pcs	2+1			2+1			2+1			4+1		
OTHERS	System Pressure	Mpa (kgf/cm <sup>2</sup> )	13.7 (140)			13.7 (140)			13.7 (140)			13.7 (140)		
	Oil Tank Capacity	L	310			410			510			620		
	Electric Power	kW	15 (20)			18.5 (25)			22.5 (30)			30 (40)		
	Machine Dimensions	L×W	mm	1831×2572			1831×2572			2792×2117			3086×2406	
		H	mm	2977 (3303)			2894 (3559)			3818 (4544)			3792 (4673)	
Machine Weight	ton	4.3			6.5			9.1			14			
		UNIT	SPII			AB			C			D	F	
INJECTION UNIT	Screw Diameter	mm	Φ18	Φ22	Φ28	Φ28	Φ35	Φ40	Φ40	Φ45	Φ55	Φ55	Φ60	Φ70
	Injection Stroke (Max.)	mm	115			140			140			160	200	
	Injection Capacity (Theoretical)	cm <sup>3</sup>	29	43	70	86	134	175	175	222	332	379	452	769
	Injection Pressure (Max.)	Mpa (kgf/cm <sup>2</sup> )	254 (2593)	170 (1736)	105 (1071)	213 (2170)	136 (1389)	104 (1063)	165 (1680)	130 (1327)	87 (889)	95 (972)	80 (817)	90 (920)
	Injection Rate (Max.)	cm <sup>3</sup> /s	68	102	166	102	160	210	167	212	316	367	437	485
	Injection Speed (Max.)	mm/s	311			192			153			177	145	
	Screw RPM (Max.)	r.p.m	0-300			0-300			0-300			0-300	0-300	
	Nozzle R	mm	10			10			10			10	10	
Nozzle Out From Platens	mm	≥45			≥45			≥45			≥45	≥45		

# Specifications

## Silicone Series Two-Colour & Multi-Colour Machines



		UNIT	V120R3-2C-LSR			V170R2-2C-LSR			V170R3-2C-LSR			V250R3-2C-LSR		V500R3-2C-LSR		
OPTIONAL OF INJECTION UNIT			I	II	I	II	I	II	I	II	I	II	I	II		
			SP/AB	SP/AB	SP/AB/C	SP/AB/C	SP/AB/C	SP/AB/C	SP/AB/C	SP/AB/C	C/D/E	C/D/E	D/E/F	D/E/F		
CLAMPING UNIT	Clamping Force (Max.)	KN (tf)	1176 (120)			1666 (170)			1666 (170)			2450 (250)		4900 (500)		
	Clamp Opening Stroke (Max.)	mm	280			300			300			400		500		
	Mold Thickness (Min.)	mm	250 (350)			280 (380)			415			300 (400)		400 (500)		
	Max. Daylight	mm	530 (630)			580 (680)			715			700 (800)		900 (1000)		
	Max. Mold Size	mm	400×350			450×450			720×460			750×450		750×450		
	Turntable Size	mm	Φ1170			Φ1360			Φ1360			Φ1800		Φ2000		
	Locating Ring Diameter	mm	100			120			120			120		150		
	Ejector Stroke (Max.)	mm	80			90			90			150		150		
	Ejector Force (Max.)	KN (tf)	17.2 (1.75)			26.5 (2.7)			26.5 (2.7)			45 (4.6)		107.8 (11)		
	QTY of Ejector	pcs	2+1			2+1			2+1			4+1		4+1		
OTHERS	System Pressure	Mpa (kgf/cm <sup>2</sup> )	13.7 (140)			13.7 (140)			13.7 (140)			13.7 (140)		17.2 (175)		
	Oil Tank Capacity	L	780			860			860			880		1400		
	Electric Power	kW	11 (15)+11 (15)			15 (20)+15 (20)			15 (20)+15 (20)			18.5 (25)+18.5 (25)		30 (40)+37 (50)		
	Machine Dimensions	L×W	mm	2270×2065			2411×2270			2830×2320			3525×2455		4155×3155	
		H	mm	2790 (3570)			3065 (3855)			3047 (3432)			3604 (4564)		4725 (6025)	
Machine Weight	ton	7			9.1			9.1			17.4		34.8			
		UNIT	S/II			AB			C			D		E		
INJECTION UNIT	Screw Diameter	mm	Φ18	Φ22	Φ28	Φ28	Φ35	Φ40	Φ40	Φ45	Φ55	Φ55	Φ60	Φ70		
	Injection Stroke (Max.)	mm	115			140			140			160		200		
	Injection Capacity (Theoretical)	cm <sup>3</sup>	29	43	70	86	134	175	175	222	332	379	452	769		
	Injection Pressure (Max.)	Mpa (kgf/cm <sup>2</sup> )	254 (2593)	170 (1736)	105 (1071)	213 (2170)	136 (1389)	104 (1063)	165 (1680)	130 (1327)	87 (889)	95 (972)	80 (817)	90 (920)		
	Injection Rate (Max.)	cm <sup>3</sup> /s	68	102	166	102	160	210	167	212	316	367	437	485		
	Injection Speed (Max.)	mm/s	311			192			153			177		145		
	Screw RPM (Max.)	r.p.m	0-300			0-300			0-300			0-300		0-300		
	Nozzle R	mm	10			10			10			10		10		
Nozzle Out From Platens	mm	≥45			≥45			≥45			≥45		≥45			

# Liquid Silicone Rubber (LSR) Machine



## Liquid Silicone Rubber (LSR) Machine Specifications

Specifications	LSR-1000s
Gearing	Hydraulic
Dosing Pressure	0-20 Mpa
Pump Capacity	800 g/min
Colour Measurement	0.3-4%
Dosing System	200L/20L
Number of Drums	2
Power Required	380V/50Hz, 2500W
Mixing Ratio	1 : 1
Air Pressure	6 kgf/cm
Mixing Precision	1%
Dimensions (L×W×H)	1100mm (L) × 1000mm (W) × 1540mm (H)
Conveying Pipe	Φ3/4 inch, 3-5 m
Operating Mode	7-inch touch screen

**Liquid Silicone Rubber (LSR) Injection Molding:** LSR injection molding is a high-volume production process for manufacturing durable, resilient components. After purity treatment, LSR exhibits low compressibility, high stability, and extreme resistance to both high and low-temperature environments. Ideal for high-precision and eco-sensitive applications.

**Multi-component/Multi-colour Molding:** This process combines two or more differently coloured or material-specific components via injection molding to create functional plastic assemblies with integrated properties.

**Wide Application:** Automotive, aerospace, telecommunications, food and beverage, medical, electronics, kitchenware, household goods, maternal and child products, sports equipment, and more.



# Standard & Optional Features

● Standard ○ Optional × Not Applicable (N/A)

ITEMS	FEATURES	Standard	Standard	Advanced	Advanced	Advanced	Advanced	Advanced	Advanced
		V Series Standard Machine	V Series Single-Slide	V/W/H Standard Machine	V/W/H Series Single-Slide	V/W/H Series Double-Slide	V/W/H Series Rotary Table	V/W/H Series Two-Colour	V/W/H Series Silicone
INJECTION UNIT	Nitrided and Chrome-Plated Barrel Assembly	●	●	●	●	●	●	●	●
	Dual-alloy Grade C Barrel Assembly (for Materials with <35% Fibre Content)	○	○	○	○	○	○	○	○
	Dual-alloy Grade A Barrel Assembly (for Materials with >35% Fibre Content & Hologen-Free Compunds)	○	○	○	○	○	○	○	○
	Standard Open Nozzle (SRIO)	●	●	●	●	●	●	●	×
	PID SCR Heating Precision Open Nozzle (with Needle-Type Thermocouple)	○	○	○	○	○	○	○	×
	Pneumatic Nozzle	×	×	×	×	×	×	×	●
	Screw RPM Display	×	×	○	○	○	●	○	○
	Auto Purge Function	●	●	●	●	●	●	●	●
	V-P Switching	●	●	●	●	●	●	●	●
	Manual Back Pressure	●	●	●	●	●	●	●	×
	CNC Proportional Back Pressure	○	○	○	○	○	○	○	×
	Mica Heating Band	●	●	●	●	●	●	●	×
	Ceramic Heating Band	○	○	○	○	○	○	○	×
	Low-pressure Injection Function	○	○	○	○	○	○	○	○
	Electric Injection Unit	×	×	○	○	○	○	○	○
Dual-Mold Dynamic Injection Parameter Control	×	×	×	×	○	○	●	×	
CLAMPING UNIT	Platen Height Extension Ring	●	●	●	●	●	●	●	●
	High-Strength Fibreglass Insulation Plate	○	○	○	○	○	○	○	○
	Electroplated Cooling Water Break Plate	○	○	○	○	○	○	○	○
	Safety Light Curtain	○	○	●	●	●	●	●	●
	Acrylic Safety Door with Electrical Interlock	○	○	●	●	●	●	●	●
	Upper Mold Core Pull	○	○	○	○	○	○	○	○
	Lower Mold Core Pull	○	○	○	○	○	○	○	○
	Mold Hot/Cold Runner Sealing Function (Oil-Electric)	○	○	○	○	○	○	○	○
	Mold Vacuum Venting (Piping Configuration)	○	○	○	○	○	○	○	○
	Mold Vacuum Pump	○	○	○	○	○	○	○	○
	Upper Mold Air Blow	○	○	○	○	○	○	○	○
	Lower Mold Air Blow	○	○	○	○	○	○	○	○
	Clamping Pressure Sensor Control	●	●	●	●	●	●	●	●
	Centralised Utility Synchronisation (for Rotary Tables: 180°/360° Rotation)	×	×	×	×	×	●	●	×
	Mold Electric Heater Quick Connectors	○	○	○	○	○	○	○	●
Hydraulic Safety Valve	○	○	○	○	○	○	○	○	
EJECTION & CORE SYSTEMS	Ejector Proportional Pressure Control	●	●	●	●	●	●	●	●
	Ejector Position Scale Control	○	●	○	●	●	●	●	○
	Upper Ejector	×	×	○	○	○	○	○	○
	Ejector Return Confirmation (Circuit Configuration - Mold Side)	○	●	○	●	●	●	●	○
	Ejector Holding Function	○	●	○	●	●	●	●	○
	Multi-Stage Ejection	●	●	●	●	●	●	●	●
ROTARY TABLE & POSITIONING	Independent Ejector Oil Pump Control (Synchronised with Clamping/Injection)	×	×	×	×	●	●	●	×
	Slide Plate (Rotary Table) Positioning Device	×	○	×	○	●	●	●	×
	Servo-Driven Rotary Table	×	×	×	×	×	●	●	×
HYDRAULIC SAFETY & CONTROL	Hydraulic Servo System	○	○	●	●	●	●	●	●
	Oil Temperature Alarm	○	○	○	○	○	○	○	○
	Oil Level Alarm	○	○	○	○	○	○	○	○



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