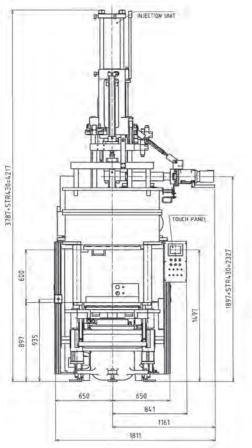
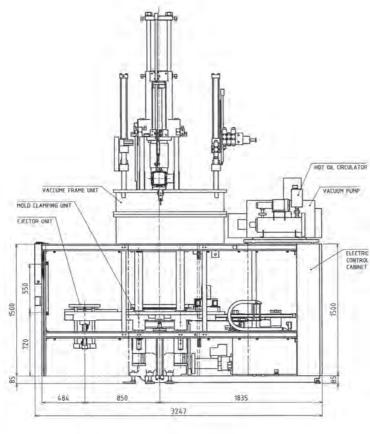
VI-200V(S3) General assembly drawing





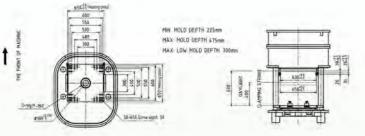
	Spe	cification item	Model	,	VI-200V(S3)			
	Clamping mechanism: Vertical 4-supports direct pressure type with side high speed cylinder							
		Clamping force (ram diameter: 355 mm, hydraulic pressure: 20 MPa)	kN		1960			
		Mold opening force	kN		59			
ı		Daylight	mm		600			
		Stroke	mm		400			
		Minimum mold thickness	mm		225			
	lan	Maximum mold thickness	mm		475			
Clamping unit	ngi.	Maximum lower mold thickness	mm		300			
) B(Size of mold heating plate (WxD)	mm		650×650			
	Ţ.	Mold clamping speed, 3 speeds (maximum)	mm/se	С	250			
		Mold opening speed, 3 speeds (maximum)	mm/se	С	150			
		Mold slide stroke	mm		850			
		In side ejector projection	mm		100			
		Out side ejector stroke	mm		200			
ı		Cinatas fasas	LANI		40			

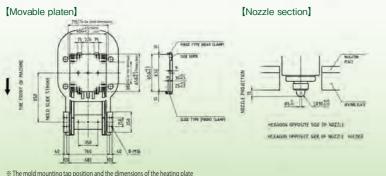
Ljector force	KIN	40					
cification item	Model	40/70SPR2					
Injection mechanism: Screw preplasticating type							
Injection volume	cm³	1500					
Injection pressure (hydraulic pressure: 20 MPa)	MPa	188					
Screw diameter	mm	40					
Plunger diameter	mm	70					
Plunger stroke	mm	390					
Screw rotation (when operating under no load)	rpm	0~80					
Injection rate	cm²/sec	139					
Plasticizing capacity (at 80 rpm)*	kg/hr	38					
Nozzle dimension	mm	SR10 × φ5					
Nozzle touch method: Vertical moving type using hydraulic cylinder							
Nozzle touch force	kN	28					
Nozzle touch stroke	mm	430					
Size of material supply inlet (curved shape at both ends)	mm	63×12					
	cification item ction mechanism: Screw preplastic Injection volume Injection pressure (hydraulic pressure: 20 MPa) Screw diameter Plunger diameter Plunger stroke Screw rotation (when operating under no load) Injection rate Plasticizing capacity (at 80 rpm) Nozzle dimension Nozzle touch method: Vertical moving Nozzle touch force Nozzle touch stroke	cification item ction mechanism: Screw preplasticating type Injection volume Injection pressure (hydraulic pressure: 20 MPa) MPa Screw diameter Mm Plunger diameter Mm Screw rotation (when operating under no load) Injection rate Plasticizing capacity (at 80 rpm) Nozzle dimension Nozzle dimenshor Nozzle touch method: Vertical moving type using hy Nozzle touch force KN Nozzle touch stroke Mm Model Model MPa Screw preplasticating type mm Mozzle touch method: Vertical moving type using hy Nozzle touch force KN Nozzle touch stroke Mm					

※ Plasticizing capacity varies according to rubber material type and molding conditions									
	Electric power source 3-phase 200V AC, 50/60Hz			kW	44.9				
_	Pump motor (controller output)			kW	15.0				
≝		Operation power source		kW	1.0				
₹ °	Mold h		Stationary side	kW	9.0				
Utility specifications	(mold/heating plate heater switchover type)		Movable side	kW	9.0				
≦ 	Hot oil circulator for injection (MN-20)			kW	3.4				
atio	Vacuum pump			kW	7.5				
ons		ion oil, ISO VG32 to	Oil level indicator (maximum indication)	145L					
	(standard oil quantity)		Tank capacity	170L					
	Mach	thine weight		ton	7				

Mold attachment drawing

(Stationary platen)





on the movable side are identical to the heating plate on the s

Ejector section]





MATSUEM 禁式松田製作所

本社・工場 〒346-0035 埼 玉 県 久 喜 市 清 久 町 1 - 1 TEL.0480(22)2111(代) FAX.0480(22)2110 東京支店 〒100-0006 東京都千代田区有楽町2-10-1 東京交通会館11階1103号 TEL.03 (6284) 2234 FAX.03 (6284) 2235 TEL.06 (6155) 5444 FAX.06 (6155) 5445 名古屋支店 〒485-0045 愛 知 県 小 牧 市 川 西 1 - 2 2 TEL.0568 (72) 5931 FAX.0568 (73) 1862 111 Building A, 2FI., Unit A202, Praditmanutham タイ Matsuda Road, Ladprao, Ladprao, Bangkok 10230, Manufacturing (Thailand) Co.,Ltd. Tel:+66-(0)2-117-1185 Fax:+66-(0)2-117-1184 中国 馬持大貿易(上海) 中国 200052 上海市長寧区新華路728号 華聯発展大厦705/706室 Matsuda Seisakusho Rm. 705-706, Union Development Building of china Trading (Shanghai) 728, Xin Hua Rd, Chang Nin, Shanghai District, 200052 China

> Tel:+86-(0)21-5230-3825 Fax:+86-(0)21-5230-3826

ホームページアドレス https://www.mtd.co.jp/

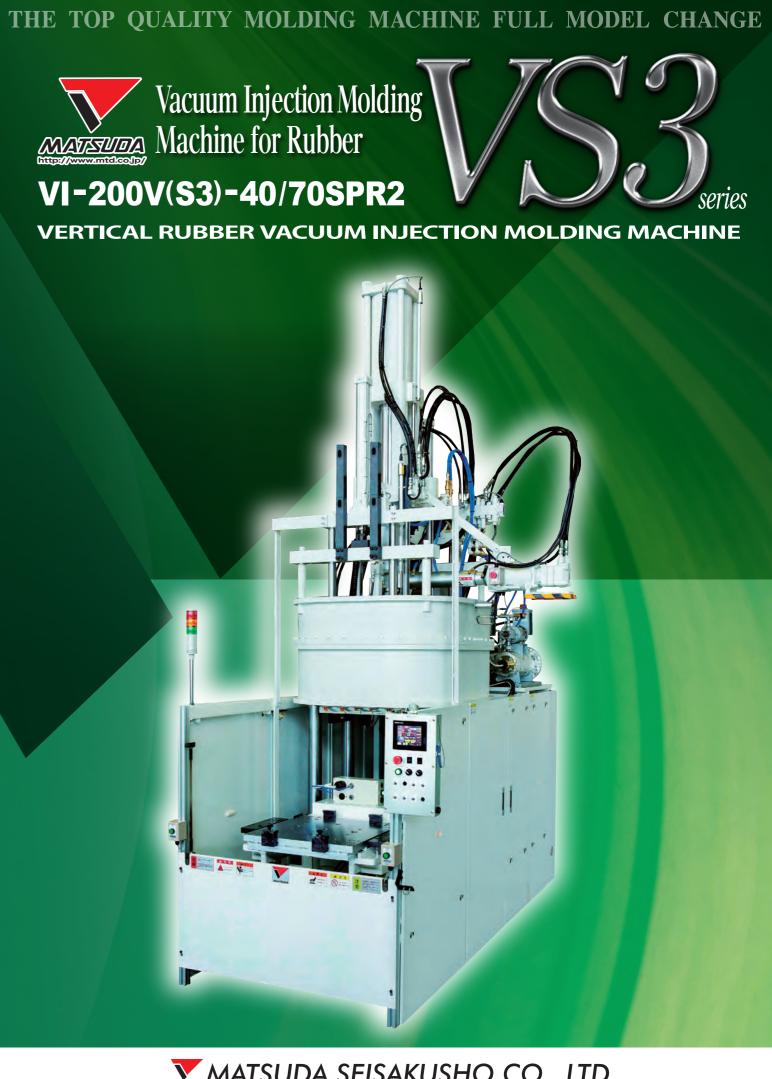
MATSUDA SEISAKUSHO CO.,LTD.

Head Office/Plant 1-1 Kiyoku-cho, Kuki-shi, Saitama 346-0035
Tel: +81 (0) 480-22-2111 Fax: +81 (0) 480-22-2110

Tokyo Branch 11th floor 1103 Tokyo Kotsu Kaikan, 2-10-1, Yurakucho, Chiyoda-ku, 100-0006
Tel: +81 (0)3-6284-2234 Fax: +81 (0) 3-6284-2235

Osaka Sales Office 2-2-16 Esaka-cho, Suita-shi, Osaka 564-0063
Tel: +81 (0) 6-6155-5444 Fax: +81 (0) 6-6155-5445

Nagoya Sales Office 1-22 Kawanishi, Komaki-shi, Aichi 485-0045
Tel: +81 (0) 568-72-5931 Fax: +81 (0) 568-73-1862

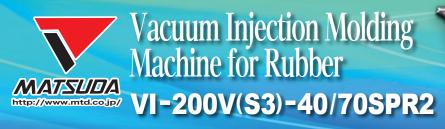




Energy efficient, environmentally friendly, and easier to use

Image showing

workbench height



VERTICAL RUBBER VACUUM INJECTION MOLDING MACHINE

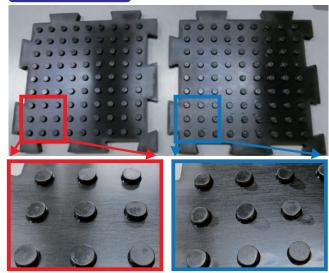
THE TOP QUALITY MOLDING MACHINE FULL MODEL CHANGE

Easier to use, thanks to further improvements in six key features.

Feature | Reduction of fraction defective

Vacuuming the area around the mold significantly reduces molding defects caused by air. * Allows vacuum molding with molds not specifically engineered for vacuum molding.

Effect of vacuuming



Without vacuuming, the shape of the protruding sections is distorted. Indentations appear around protruding sections due to fluidity failure. With vacuuming used, the shape is perfect, and indentations are absent

Feature 2 Low workbench height

The workbench height is 101 mm lower than with our previous model, eliminating the need to set up another workbench and thereby improving work safety.

Workbench height

Previous V(S2) model: 998mm ➤ V(S3): 897mm

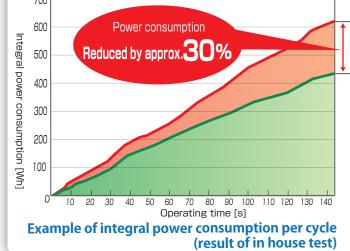
Feature 3 Saves space

The reduced dimensions maximize productivity from limited factory floorspace.

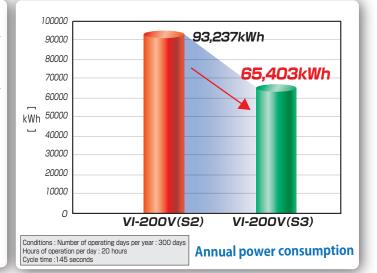
Previous V(S2) model: 4,488 mm V(S3): 4,217 mm

Previous V(S2) model: 1,350 mm ➤ V(S3): 1,300 mm



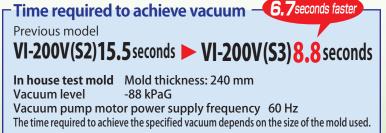


Feature 4 Energy efficient



The rotation control pump featuring an IPM motor and the high effectiveness insulation plate significantly reduce power consumption. While actual power savings will vary with molding conditions, power consumption is typically 30% lower than with our previous V(S2) model.

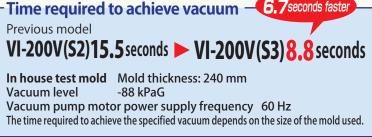
Feature 5 Reduced molding cycle times

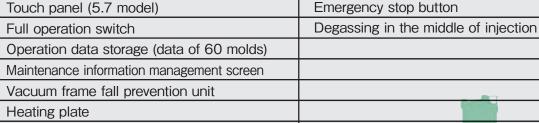


Feature 6 Improved maintenance efficiency

Raising the vacuum frame opens up the machine, just like a vertical type injection molding machine, dramatically improving maintenance efficiency for wiring/piping work around the mold. The design also minimizes accumulations of rubber burrs that can cause machine problems and makes the machine easy to clean.

The reduced space inside the vacuum frame decreases the time required to achieve a vacuum, thereby shortening molding cycle





Cycle counter Cycle checker

Nozzle back timing selection switch

Hydraulic ejector unit after mold sliding (with an outer package and selector switch furnished) Wire broken detector for heating plate (current sensing type) Out of material detection and alarm (roller type) Status alarm storage (capable of displaying up to 2,000 alarm records)

Mold slide unit (with a selector switch)

Standard accessory units

High effectiveness insulation plate

Clamping force regulator Mold opening/closing speed regulator Speed reducer for mold mounting (with a selector switch)

Low pressure (adjustable) clamping for mold protection Low pressure clamping and injection compression (with selector switch) Pressure relief degassing (1~9 times)

Photoelectric switches as safety Overstroke prevention unit Power saving clamp (valve degaussing after pressure increase) Hot oil circulator for injection temperature control (MN-20)

Injection speed change over 3 levels Injection pressure change over 3 levels Injection pressure damping rate

Screw rotation control Digital charge settings

Back pressure control

Equipment

Vacuum unit

Heating plate

Rotation control pump

Optional units

Vacuum pump with inverter control	
Heat-up timer	
Mold simple attaching unit (lock-bar method)	
Hot oil circulator for cold runner	
Delay timer for cold runner	
Alarm light	
Material hoisting unit	
Middle mold slide unit	
Material stuffing unit	

