Create your future

Sodick

V-LINE® High-Cycle Ultra-Compact Vertical Rotary Injection Molding Machine

HC03VRE

Flexibly responds to various types of small precision parts and quick delivery Ultra-high cycle, ultra-compact, ultra-stable injection molding machine

Stable molding by V-LINE®

The V-LINE is the plasticization and injection unit which enables stable measurement and injection, realized by eliminating the destabilizing factors during the plasticization measurement and injection, by separating the plasticization and injection. Accordingly, the molding of small precision parts which require advanced technology, can be performed stably even at a high-cycle.

Electromotive direct pressure clamping system

The adoption of the four tie bars ensures excellent straightness and high rigidity, where the mold clamping force is distributed uniformly. The load reduced by applying an optimal contact pressure to the mold by stable mold closing and mold clamping, reduces maintenance and improves the life of the mold.

Ultra-high cycle molding

The clamping system which performs mold closing and mold clamping in one motion, and a belt driven rotary table, realized 0.9 seconds per cycle. (0.3 seconds each for mold closing, mold clamping, table rotation, and mold opening)

* With two-sided lower mold of 36 kg, and mold opening/closing stroke of 80 mm
* Equivalent to dry operation

ECO Recycle Friendly Maintenance free Reduce waste

V-LINE Injection Molding Machine

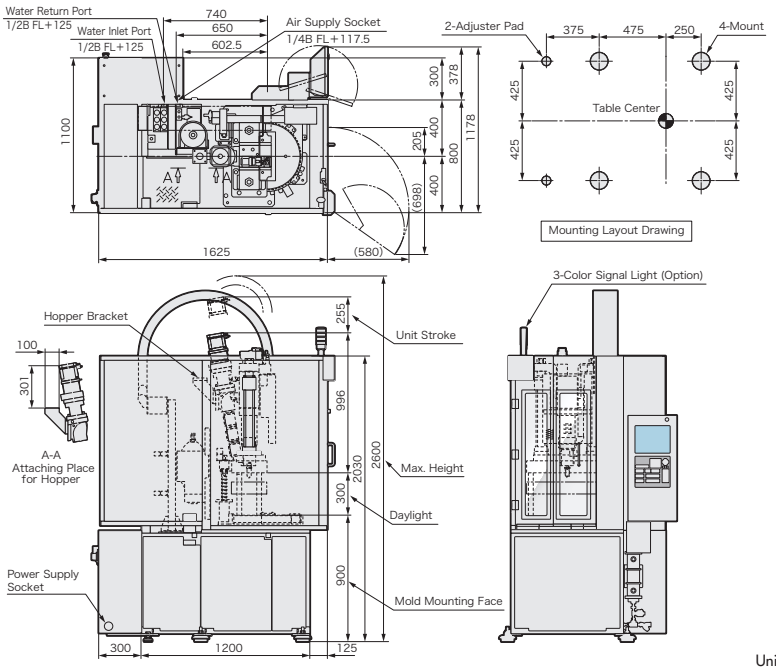
V-LINE® High-Cycle Ultra-Compact Vertical Rotary Injection Molding Machine

HC03VRE

■ Spec.

Clamping Unit			
Max. clamping force	kN	29.4	
Max. mold size	mm	180 × 150	
Turntable dimensions	mm	Ø460	
Open daylight	mm	300	
Min. mold thickness	mm	150	
Ejector stroke	mm	30	
Plasticization & injection unit			
Screw diameter	mm	14	
Plunger diameter	mm	8	12
Max. injection pressure	MPa	197	
Theoretical injection volume	cm^3	2	4.5
Max. injection speed	mm/s	500	400
Plasticization capacity	kg/h	5	
Machine dimensions / Weight			
Machine dimensions (L x W x H)	mm	1625 × 1178 × 2600	
Machine weight	kg	1900	
Power supply unit			
Power supply input specification		AC200V 50/60Hz	
NC unit		Independently developed CNC	
Total electric capacity	kVA	29	

■ Machine Dimensions & Installation Drawing

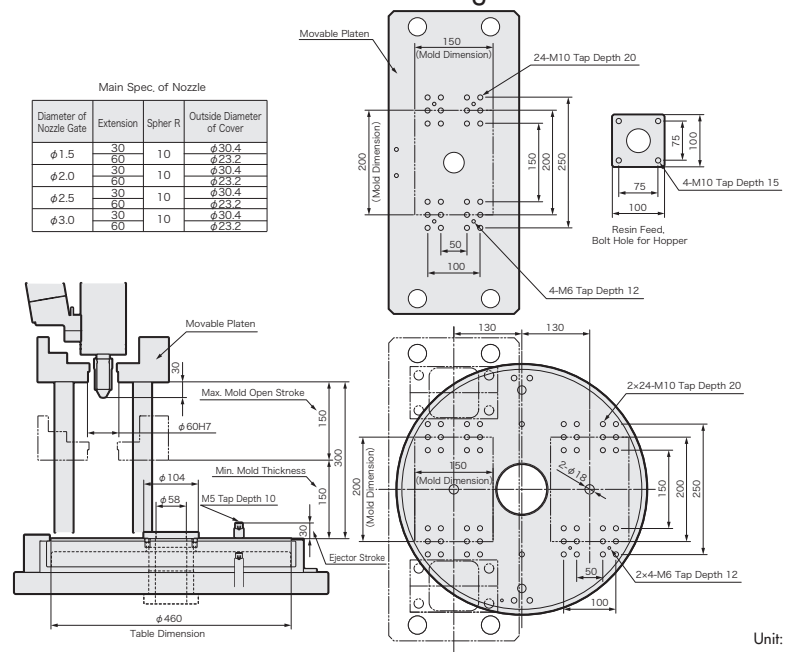


Unit: mm

■ Mold Installation Dimensions Drawing

Main Spec. of Nozzle

Diameter of Nozzle Gate	Extension	Spher R	Outside Diameter of Cover
ϕ1.5	30	10	ϕ30.4
	60		ϕ23.2
ϕ2.0	30	10	ϕ30.4
	60		ϕ23.2
ϕ2.5	30	10	ϕ30.4
	60		ϕ23.2
ϕ3.0	30	10	ϕ30.4
	60		ϕ23.2



Unit: mm

Sodick Co.,Ltd.

3-12-1, Nakamachidai, Tsuzuki-ku, Yokohama, Kanagawa
224-8522 Japan
TEL: 81-45-942-3111 FAX: 81-45-943-7880

http://www.sodick.jp

Printed in Japan

R1013900.2015.10<00>