

V-LINE® Injection Molding Machine for High Value-Added Products

GL60

V-LINE®'s global standard model contributes to high value-added molding in extensive fields, including precision, electronics, optics and medical equipments.

Excellent Plasticization & Injection Performance

Equipped with a highly stable and highly reliable plasticization and injection unit realized by Sodick's original V-LINE® which contributes to accurate and highly repeatable resin injection, and a hydraulic accumulator mechanism that enables high speed injection with dynamic responsiveness at a high level.

Original Mold Open/Close & Clamping Mechanism

Adopts both a mold open/close mechanism which realizes accurate position control by an electronic system, and a mold clamping mechanism that reproduces an accurate mold clamping force by a hydraulic system. Equipped with a direct pressure mold clamping system which utilizes the merits of the electro-hydraulic hybrid system to the utmost.

Total Servo Drive

Further improved energy saving performance by the use of an electric servo motor for the hydraulic pump drive, in addition to the electric servo motor drive for the mold open/close mechanism and ejection mechanism.



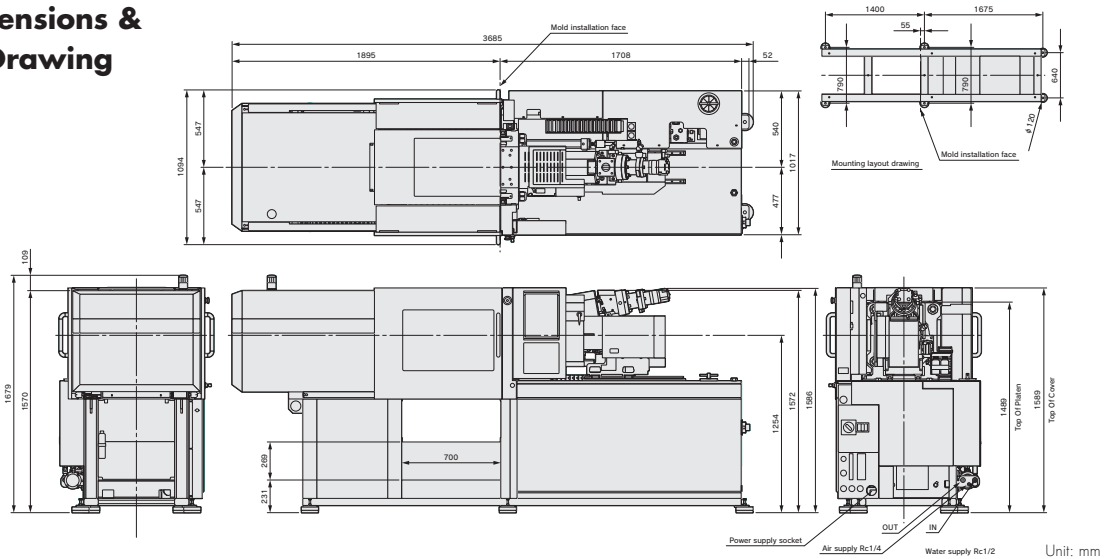
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Spec.

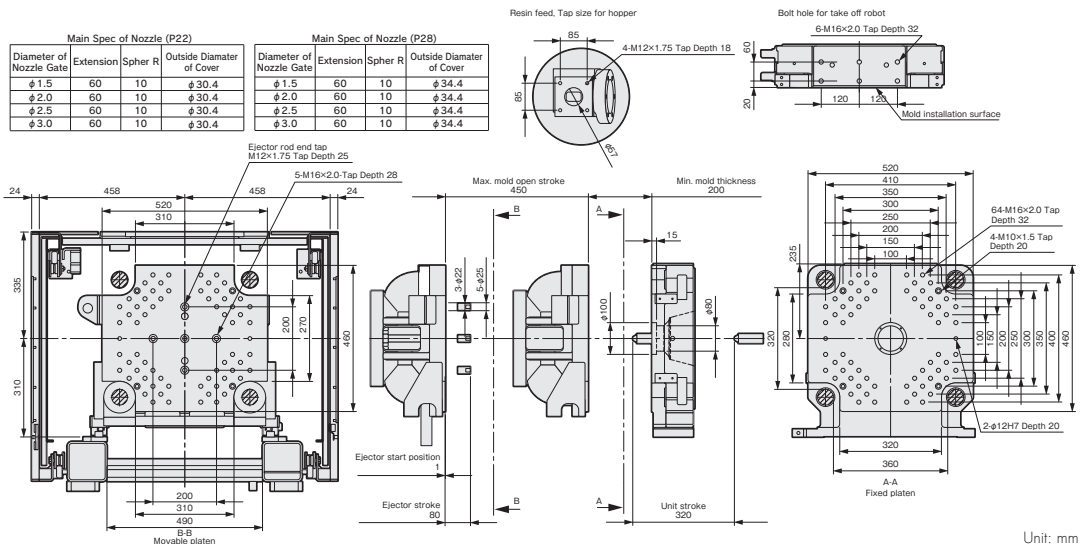
Clamping Unit		
Max. clamping force	kN	588
Tie bar distance (WxL)	mm	360 × 320
Open daylight (Min. mold thickness + Max. stroke)	mm	650
Min./Max. mold thickness	mm	200 / 390
Ejector stroke	mm	80

Plasticization & Injection Unit				
Screw diameter	mm	22	25	28
Plunger diameter	mm	22	25	28
Max. injection pressure	MPa	260	240	240
Theoretical injection volume	cm ³	27	49	83
Max. injection speed	mm/s	500	500	500
Plasticating capacity	kg/h	10.5	20	30
Machine dimensions / Weight				
Machine dimensions (L x W x H)	mm	3685x1094x1679		
Machine weight	kg	2700	2800	2800

Machine Dimensions & Installation Drawing



Mold Installation Dimensions Drawing



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