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

GL150

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.

ECO Recycle Friendly Maintenance free Reduce waste

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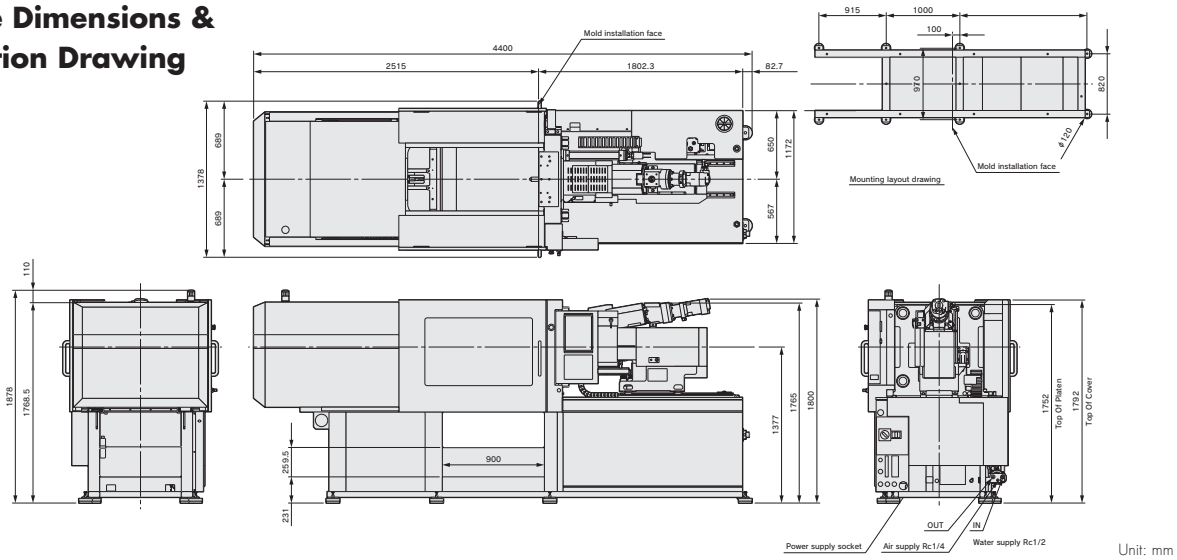
■ Spec.

Clamping Unit		
Max. clamping force	kN	1472
Tie bar distance (W×L)	mm	560 × 520
Open daylight (Min. mold thickness + Max. stroke)	mm	900
Min./Max. mold thickness	mm	250 / 600
Ejector stroke	mm	120

Plasticization & Injection Unit				
Screw diameter	mm	28	32	40
Plunger diameter	mm	28	32	40
Max. injection pressure	MPa	240	220	210
Theoretical injection volume	cm^3	83	108	251
Max. injection speed	mm/s	500	400	300
Plasticating capacity	kg/h	30	40	44
Machine dimensions / Weight				
Machine dimensions (L x W x H)	mm	4400×1378×1878		
Machine weight	kg	5000		5100

■ Machine Dimensions & Installation Drawing

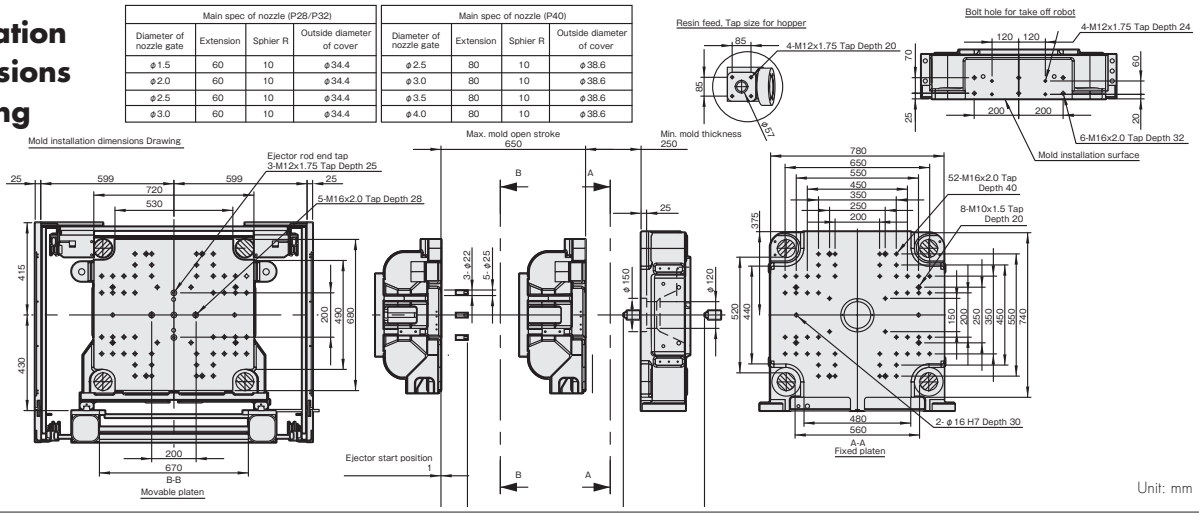


Unit: mm

■ Mold Installation Dimensions Drawing

Main spec of nozzle (P28/P32)			
Diameter of nozzle gate	Extension	Sphier R	Outside diameter of cover
ϕ1.5	60	10	ϕ34.4
ϕ2.0	60	10	ϕ34.4
ϕ2.5	60	10	ϕ34.4
ϕ3.0	60	10	ϕ34.4

Main spec of nozzle (P40)			
Diameter of nozzle gate	Extension	Sphier R	Outside diameter of cover
ϕ2.5	80	10	ϕ38.6
ϕ3.0	80	10	ϕ38.6
ϕ3.5	80	10	ϕ38.6
ϕ4.0	80	10	ϕ38.6



Unit: mm

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