Sodick

GL series

V-LINE® Injection Moulding Machine for High Value-added Products



Injection Moulding Machine Supporting the Sophisticated Manufacturing

GL Series

Sodick injection moulding machines are based on the premise that accurate and flexible control with high reproducibility is required.
To make this premise a reality, we have refined our proprietary core technologies, including our V-LINE®, linear servo drive hydraulic pressure injection, and electric hybrid direct pressure mould clamping.
The GL series is a global standard machine that inherits and incorporates these core technologies, addressing cutting-edge moulding issues related to the pursuit of precision, composition, accuracy, and high reliability for the purpose of adding value.

Automation Solutions

Next Generation Automobiles

Medical Equipments

Optical Instruments

Precision Instruments

V-LINE®

Stable resin molten state
Stable density of weighed resin
Stable actual filling volume and time

Core technologies supporting the **GL Series**

Linear servo drive hydraulic pressure injection

Freely controllable low-inertia plunger

Electric hybrid direct pressure mould clamping

Uniform mould clamping force and high straightness, unaffected by tie bar distortion

GL Series Lineup

GL30



Mould clamping force 294 (392) kN*

- Plunger diameter: 12, 16, 22 mm
- Screw diameter: 14, 18, 22 mm

* Mould clamping force 392 kN is an optional specification.

GL60



Mould clamping force 588 kN

- Plunger diameter: 22, 25, 28 mm
- Screw diameter: 22, 25, 28 mm

GL100



Mould clamping force 980 kN

- Plunger diameter: 28, 32, 40 mm
- Screw diameter: 28, 32, 40 mm

GL150



Mould clamping force 1472 kN

- Plunger diameter: 28, 32, 40 mm
- Screw diameter: 28, 32, 40 mm

GL200



Mould clamping force 1960 kN

- Plunger diameter: 28, 32, 40 mm
- Screw diameter: 28, 32, 40 mm

Mould clamping force (ton)

30 | 60 | 100 | 150 | 200

The Trademark
Sodick Injection Moulding Machine

V-LINE®

Core manufacturing technique V-LINE®

V-LINE® introductory video

High accuracy & high-response injection method demonstrates the precision mould performance to the utmost

By separating the injection and plasticization processes, V-LINE® achieves both uniform plasticization of resin and high-level measurement and injection accuracy, thereby realizing highly accurate and stable moulding.

Plasticization Unit

The plasticizing screw only moves for the backflow prevention stroke.
The resin is extruded from the front.

▶ Constant molten state and heat history

Backflow Prevention Unit

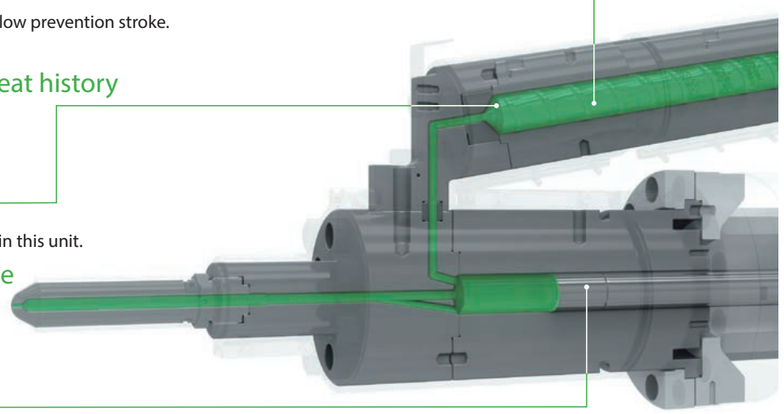
The backflow prevention process is performed in this unit.

▶ Constant actual filling volume

Injection Unit

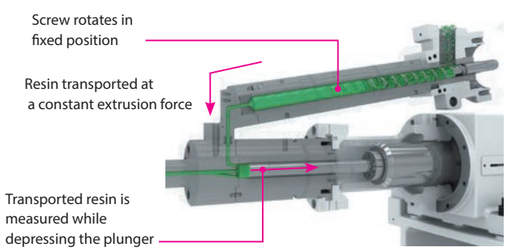
There is no shearing by the backflow during injection.

▶ Prevents excessive shearing heat applied to resin



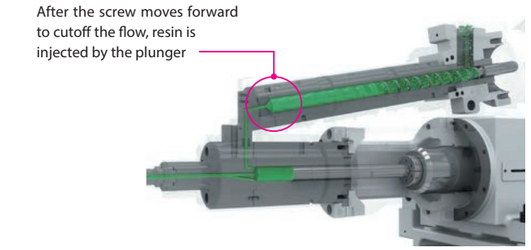
Separate plasticization stabilizes measurement

Since the effective screw length required for plasticization does not change, the thermal history of the resin is constant, allowing stable density measurements.



Backflow prevention stabilizes injection

Since the flow path is actively closed, resin does not backflow during injection, allowing complete filling of the mould with the measured amount of resin.

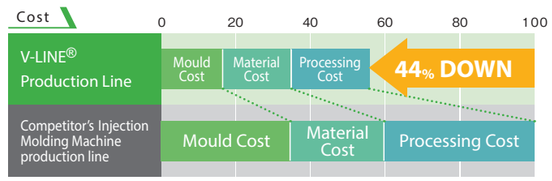


V-LINE® is superior in terms of production costs and environmental efficiency

[Comparison of defect rates and costs in connector moulding]

Improved productivity by V-LINE®

When a fine core pin is damaged during production, it will lead to a large loss. The accurate injection performance of the V-LINE® realizes proper filling without damaging the important mould assets of customers, and reduces defects. It also minimizes poor moulding and mould troubles, which reduces maintenance costs, materials costs, and processing costs, and improves the operating ratio.



* Under Sodick condition & environment

Improved Eco-efficiency by V-LINE®

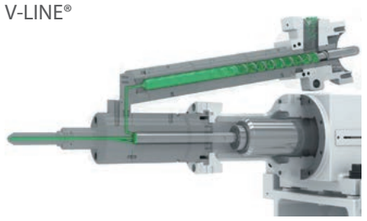
When poor moulding is reduced, the machining time and material loss will also be reduced, which increases the eco-efficiency.

Defective Rate	Material Loss	Defective Rate	Inspection Method
V-LINE® Production Line	1%	2 - 3 ppm	**Sampling Inspection**
Competitor's Injection Molding Machine production line	7%	0.6%	Total Inspection

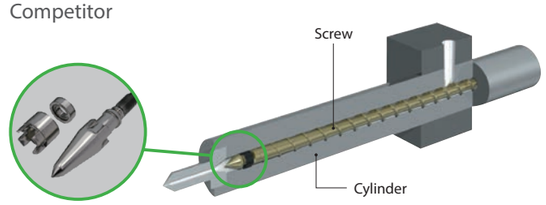
Data acquisition period: 6 months (When total number of products is 5 to 7 million pcs.)
* Under Sodick condition & environment

V-LINE® is superior in terms of durability of plasticization parts

V-LINE®



Competitor



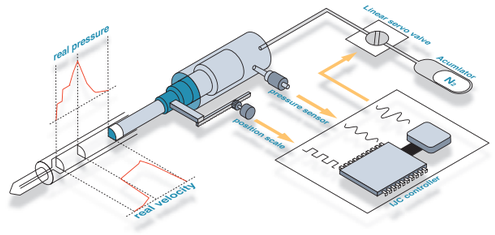
The figure on the left shows the structure of the V-LINE® injection moulding unit.
Its simple part shapes and operations make it more durable than other methods (right) and reduce maintenance costs.
The table on the right shows an actual comparison of annual consumption costs in engineering plastic moulding containing fiber materials with a high consumption rate (PPS-GF65%) .

	V-LINE®	Other Methods
Main Specifications	Mould clamping force = 1470 kN Injection Unit = ϕ32 mm	Mould clamping force = 1470 kN Injection Unit = ϕ32 mm
Usage Conditions	Plasticization screw and cylinder: Replaced in 3 yrs (approx. 2 mil shots) No deformities to injection plunger or cylinder; not replaced.	Three-part screw : Replaced approx. every 3 mos Screw : Replaced approx. every 6 mos Cylinder and screw : Replaced approx. every 3 mos
Cost Breakdown	Plasticization screw: JPY 210,000 Plasticization cylinder: JPY 480,000 Total: ¥690,000/3 yrs	Three-part screw : ¥150,000× 4 times/yr Screw : ¥300,000 × 2 times/yr Cylinder : ¥500,000 × 1 time/yr
Annual Cost	Approx. ¥230,000	Approx. ¥1,700,000

* Under Sodick condition & environment

LSD (Linear Servo Drive)

Linear Servo Drive Hydraulic Pressure Injection



LSD allows free control of the V-LINE® low-inertia plunger

The GL series is equipped with an accumulator capable of high instantaneous output as its hydraulic source. By using a highly responsive linear servo valve to control flow rates and a high-precision sensor for closed control of injection positioning and pressure, V-LINE® achieves high output, high response, high speed, and high repeatability of pressure.

LSD brings even higher performance to V-LINE®

Low inertia plunger
+
Linear servo drive
(LSD)

(1) Quick acceleration
(2) Sharp stopping
(3) Accurate acceleration/deceleration tracking

Greatly improved injection acceleration/deceleration
High actual efficacy for injection rates

How LSD improves moulding quality

- Further improvement in stable moulding repeatability
- Prevention of contamination and discoloration of resin
- Improves filling performance for high-difficulty forms, such as items requiring small-scale precision, complexity, or thin walls

LSD Specifications Lineup

The GL series allows selection of LSD specifications suited to the moulded item.

Standard Specifications	Plunger Diameter: P12–P40 Supports a wide range of moulded products with industry top-level maximum injection speed and injection acceleration/deceleration performance.
LP (High-response)	Plunger Diameter: P12–P22 Specifications realize support for micro- and fine-moulded products and high-viscosity resin moulding to further improve maximum injection speed and injection acceleration/deceleration performance.
HSP (High-speed & High Pressure)	Plunger Diameter: P22–P40 Specifications realize support for large thin-walled products and other high-capacity moulded items, realizing high-speed and high-pressure injection.

Specifications	Mounted Valve	Plunger Diameter					
		P12	P16	P22	P28	P32	P40
Standard	Linear servo valve	◎	◎	◎	◎	◎	◎
LP (High-response Injection)	Linear direct valve	○	○	○	×	×	×
HSP (High-speed & High Pressure)	High-flow linear servo valve	×	×	○	○	○	○

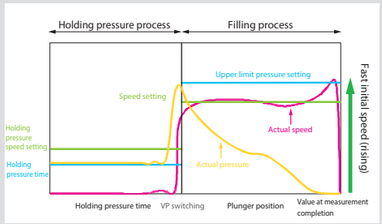
◎ : Standard ○ : Option ×: Unavailable

Moulding Example

Quickly completes filling for agile acceleration performance

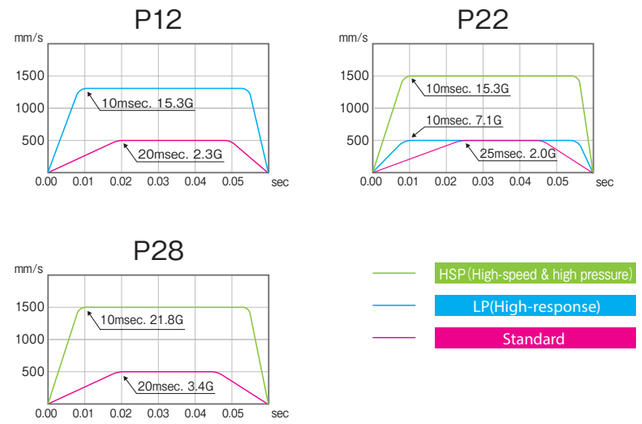


Moulded Product	FPC Connector (0.5 mm, 24 pitch)
Moulding Material	LCP
Model	GL30



Example injection speed rising/falling waveform with LSD

(P12 / P22 / P28)



LSD Specifications List

Injection diameter mm	P12		P16	
Injection specifications	Standard	LP	Standard	LP
Max. injection speed mm / sec.	500	1300	500	800
Max. injection pressure MPa	288	288	262	262
Injection rate cm^3/s	57	146	101	160
Injection acceleration G	2.5	15.3	2.5	12.7
Speed rising time msec.	20	10	20	10
Speed falling time msec.	15	5	15	5

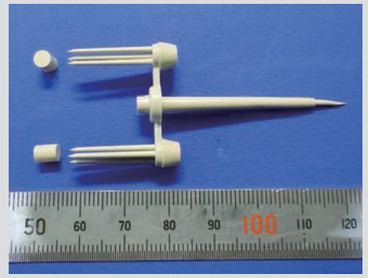
Injection diameter mm	P22			P28	
Injection specifications	Standard	LP	HSP	Standard	HSP
Max. injection speed mm / sec.	500	500	1500	500	1500
Max. injection pressure MPa	260	260	343	240	343
Injection rate cm^3/s	190	189	569	308	923
Injection acceleration G	2.0	7.1	15.3	3.4	21.8
Speed rising time msec.	25	10	10	20	10
Speed falling time msec.	15	5	5	15	5

Injection diameter mm	P32		P40	
Injection specifications	Standard	HSP	Standard	HSP
Max. injection speed mm / sec.	400	1000	300	1000
Max. injection pressure MPa	220	294	210	343
Injection rate cm^3/s	322	803	377	1256
Injection acceleration G	2.0	14.5	1.5	10.2
Speed rising time msec.	20	10	20	10
Speed falling time msec.	15	5	15	5

Note:
LP: High-response model
HSP: High-speed & high pressure model

Moulding example

Actual filling of molten material achieves high injection rates



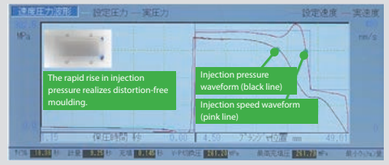
Moulded product	Proximity sensor coil case
Resin	ABS
Model	GL30-LP

Moulding example

Further wall-thinning and fine transfer realized by excellent injection acceleration



Moulded product	5G smartphone housing
Resin	PC
Model	GL200-HSP



Injection speed pressure waveform

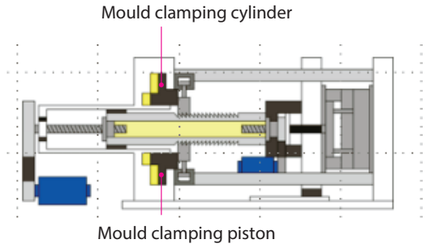
Video of moulding a smartphone housing →

SEHDC (Sodick Electric Hybrid Direct Clamping)

Electric Hybrid Direct Pressure Mould Clamping

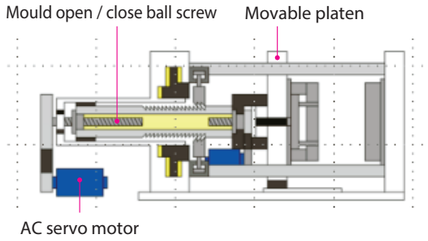
Electric hybrid direct pressure mould clamping that repeats stable precision moulding through synergy with V-LINE®

I. Mould clamping:
Direct pressure mould clamping mechanism



Hydraulic cylinder drive
⇒ Uniform mould clamping force

II. Mould opening/closing:
Electric direct pressure type opening and closing mechanism



Movable platen driven via AC servomotor
⇒ Accurate position control

I. Features and advantages of the direct pressure mould clamping mechanism

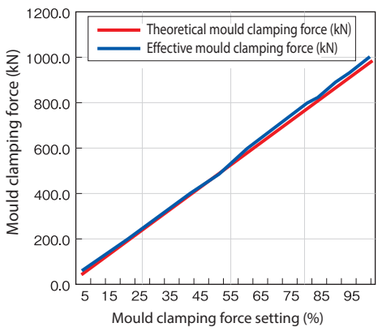
❶ Uniform clamping force is distributed throughout the mould → Maximal burr suppression effect

❷ Optimal mould clamping force can be set, in particular allowing low-pressure mould clamping control → Extended mould life and maintenance period; Improved non-defective rate due to vent gas discharge effect (below, left)

❸ Stable mould clamping force even when external disturbances changes → No effect of thermal expansion of moulds (below, right)

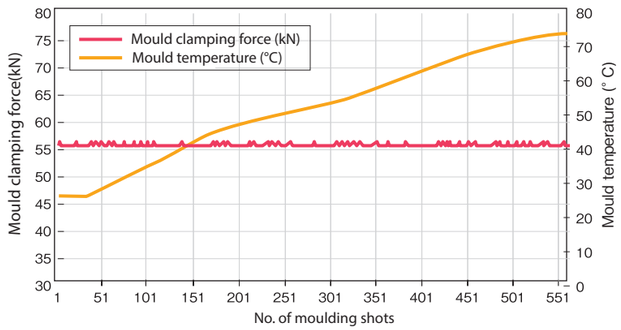
❹ Good dynamic straight-line accuracy, even in mould clamping and depressurization processes → Extended life of core pins and other consumable mould parts

GL100 mould clamping force accuracy



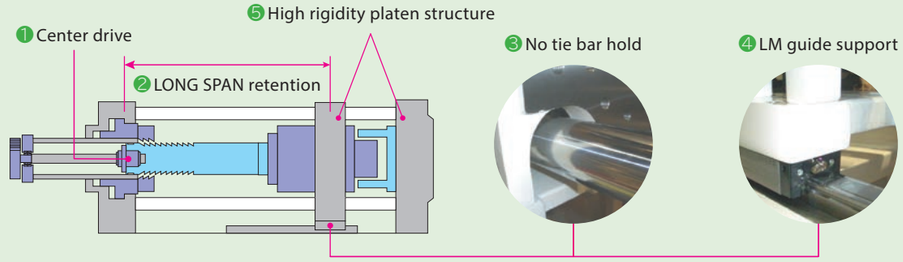
The graph above shows the theoretical mould clamping force and the applied mould clamping force for the GL100 (maximum mould clamping force 100 tf).
The results show accurate mould clamping forces occurred over a wide range of settings, from 5–100%

GL100 stable mould clamping force data for mould temperature changes (mould clamping force setting 5%)



This graph shows the results of a continuous operation, where the mould clamping force was set to 5% (constant).
The results show the features of the direct pressure mould clamping where the mould clamping force shifts uniformly, even though the mould temperature was changed from a low to high temperature.

II. Features and advantages of the electric direct-pressure-type opening/closing mechanism



❶ Movable platen center ball screw drive
❷ Retention point LONG SPAN structure
❸ Structure has no tie bar hold
❹ LM guide movable platen support
⇨ **Superior straight trajectory reproducibility; Suppression of biased mould load**

❺ Highly rigid structure for fixed and movable platen
❻ Center press structure with hydraulic cylinder
⇨ **Burr prevention by strengthening around mould centers**

Dynamic straightness accuracy at mould clamping → start of mould opening → mould open

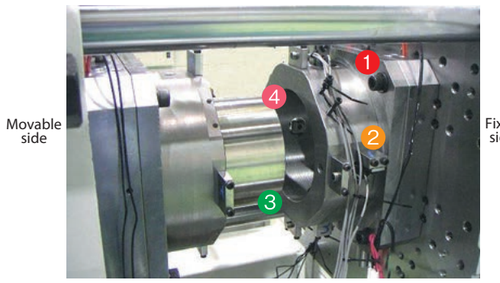
Difficult for flaws to occur

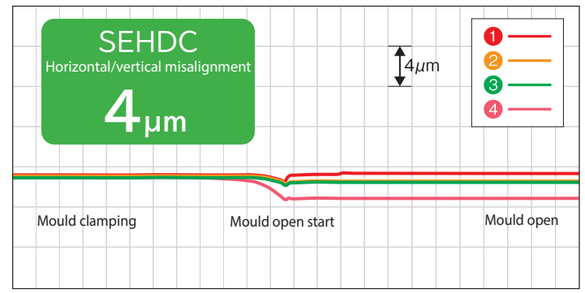
With deep moulded products, problems such as flaws in the surfaces of products do not occur easily.

Hard to damage

In moulds that have fine core pins, fracturing of these pins and other damage does not occur easily.

■ Mould for measurement





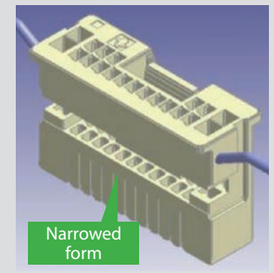
Moulding example

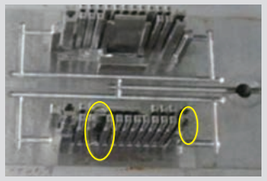
The following shows an actual example of the importance of operational precision for mould opening and closing, mould clamping, and pressure relief in precision moulding.

Importance of straightness accuracy when opening, closing, and tightening moulds, using a vehicle-mounted connector mould as an example

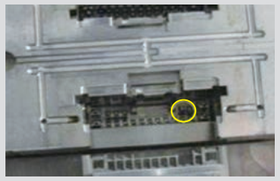
The narrowed form in the center of the item in the image to the right is formed by intrusion of core pins (left, below) into a slide core (center), finally contacting with the upper mould core pins (right).

There is a gap through which resin flows when the mould is closed, so some deviation is tolerable, but the gap fills with resin when the mould is opened, so deviation cannot be absorbed. Repeated opening and closing operations in this state will lead to core pin fatigue and breakage, but SEHDC suppresses this.




Core pins


Sliding core


Upper mould core pins

New GL Functions

Servo Drive (TSD)

In addition to the AC servo motor control for mould opening, closing, and ejecting in our previous models, the GL series uses a hydraulic pump for AC servo motor control of rotation speed, and we developed Total Servo Drive (TSD) for servo-based operations for mould clamping, injection and retention pressure, and plasticization screw turning, further improving operational systems and energy-saving performance.

Save mode (Energy saving mode operation)

Reduces unnecessary power by adjusting the operation settings of the injection moulding machine to the actual moulding

When the mould clamping force, injection pressure, maximum injection speed, and shot capacity (injection stroke) are set to low moulding conditions for an injection moulding machine with full specifications, the power consumption of the moulding machine can be reduced by selecting the save mode. The power can be reduced by 9% compared with a conventional machine (LA Series).



Improved traceability functions

The process monitoring data of the high precision V-LINE® moulding machine allows for quality determination of actual moulding only, which contributes to a reduction of the visual inspection process.

The monitoring of waveform data was added to the "GL Series" as an additional acceptance criterion.

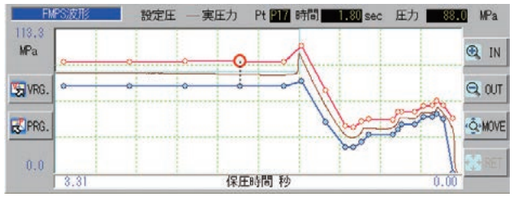
In addition, a function to save each shot in a waveform data image was added to the data logging function, so that it can be used to trace moulded products.

Waveform monitoring

The speed waveform and pressure waveform can be monitored in all speed and holding pressure ranges, by the function in which the measurement points are provided on the injection waveform to detect defects from the waveform of each shot.

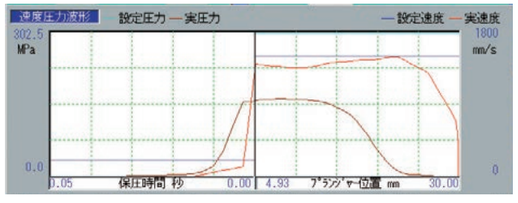
The shots that deviated from the monitoring range are recognized as defective shots.

In the process monitoring setting, the defective shots which could not be distinguished can now be recognized.



Waveform log (Shot & waveform logging function)

This function is for logging the velocity pressure waveform of each shot along with the process monitoring data. The velocity pressure waveform generated may differ depending on the resin lot or the difference in the dryness conditions. This data can be used to trace the data of moulded products by collectively managing it with the moulding condition.



Improved Software Functions

Automatic calculation functions for mould protection

Mould protection settings are now automated. This function automatically determines appropriate settings values.

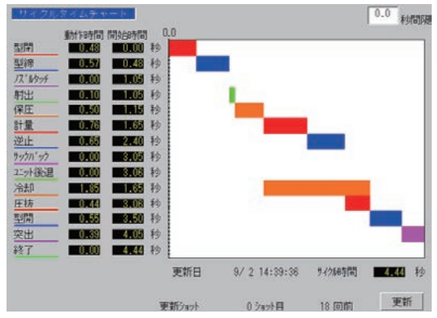
Inappropriate settings can damage moulds, but in conventional cases, opening and closing operations are repeated for each mould to find appropriate values. This function eliminates such complex, time-consuming tasks.



Cycle time chart display

The cycle time chart display function allows users to confirm operating times for each process at a glance.

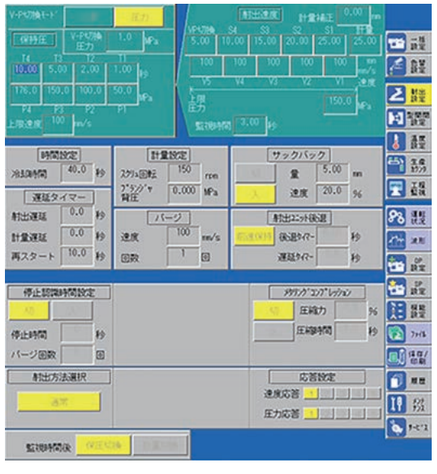
This makes it easy to find wasted time in the total cycle and is effective for verifying cycle improvements.



Condition Change Disable Password

This function locks the screen so that only administrators with a password have the authority to change moulding conditions.





Specifications V-LINE® GL Series

		GL30			GL60		
Clamping Unit							
Mould open / close system		AC servo motor control			AC servo motor control		
Clamping system		Direct pressure locking type			Direct pressure locking type		
Max. clamping force	kN	294 [392]*			588		
Tie bar distance	mm	310 × 310			360 × 320		
Platen dimension	mm	440 × 440			520 × 460		
Open daylight	mm	550			650		
Min./Max. mould thickness	mm	150 / 360			200 / 390		
Mould Open / Close Force Rated / Instantaneous	kN	6.8 / 13.6			9.9 / 19.8		
Ejector system		AC servo motor control			AC servo motor control		
Ejector force / Ejector retention force	kN	9.8 / 5.8			13.7 / 7.8		
Ejector stroke	mm	50			80		
Plasticization & Injection Unit							
Plasticization & injection system		Screw Pre-plasticizing			Screw Pre-plasticizing		
Screw diameter	mm	14	18	22	22	25	28
Plunger diameter	mm	12	16	22	22	25	28
Max. injection pressure	MPa	288	262	260	260	240	240
Theoretical injection volume	cm^3	4.5	14	27	27	49	83
Injection rate	cm^3/s	57	101	190	190	245	308
Plunger stroke	mm	40	70		70	100	135
Max. injection speed	mm/s	500			500		
Plasticizing capacity	kg/h	3	5.3	14	14	20	30
Max. screw revolution	rpm	400			400		300
Rated screw torque	N.m	59	98	147	147	202	235
Number of temperature control zone		5			5	6	7
Heater capacity	kW	4.9	5.0	6.2	6.2	6.7	10.3
Nozzle pressing force	kN	4.9		6.8	6.8		15.7
Unit traveling stroke	mm	280			320		
Electrical, hydraulic pressure							
AC servo motor capacity for hydraulic pump	kW	3.0			3.0	4.4	
Hydraulic circuit pressure	MPa	15			15		
Tank capacity	ℓ	68			68	90	
Motor capacity for AC servo	kW	2.9			4.2		
Machine Dimension / Weight							
Machine Dimension	mm	3150×1030×1679			3685 × 1094 × 1679		
Machine weight	kg	2.0			2.7	2.8	

		GL100			GL150			GL200		
Clamping Unit										
Mould open / close system		AC servo motor control			AC servo motor control			AC servo motor control		
Clamping system		Direct pressure locking type			Direct pressure locking type			Direct pressure locking type		
Max. clamping force	kN	980			1472			1960		
Tie bar distance	mm	460 x 420			560 × 520			560 × 560		
Platen dimension	mm	640 × 610			720 × 680			680 × 680		
Open daylight	mm	800			900			950		
Min./Max. mould thickness	mm	250 / 550			250 / 600			300 / 650		
Mould Open / Close Force Rated / Instantaneous	kN	9.9 / 19.8			14.2 / 28.5			14.2 / 28.5		
Ejector system		AC servo motor control			AC servo motor control			AC servo motor control		
Ejector force / Ejector retention force	kN	21.5 / 12.7			28.8 / 17.6			28.8 / 17.6		
Ejector stroke	mm	100			120			120		
Plasticization & Injection Unit										
Plasticization & injection system		Screw Pre-plasticizing			Screw Pre-plasticizing			Screw Pre-plasticizing		
Screw diameter	mm	28	32	40	28	32	40	28	32	40
Plunger diameter	mm	28	32	40	28	32	40	28	32	40
Max. injection pressure	MPa	240	220	210	240	220	210	240	220	210
Theoretical injection volume	cm^3	83	108	251	83	108	251	83	108	251
Injection rate	cm^3/s	308	322	377	308	322	377	308	322	377
Plunger stroke	mm	135		200	135		200	135		200
Max. injection speed	mm/s	500	400	300	500	400	300	500	400	300
Plasticizing capacity	kg/h	30	40	44	30	40	44	30	40	44
Max. screw revolution	rpm	300		240	300		240	300		240
Rated screw torque	N.m	235	310	411	235	310	411	235	310	411
Number of temperature control zone		7			7			7		
Heater capacity	kW	10.3	11.0	17.3	10.3	11.0	17.3	10.3	11.0	17.3
Nozzle pressing force	kN	15.7		19.6	15.7		19.6	15.7		19.6
Unit traveling stroke	mm	400			365			365		
Electrical, hydraulic pressure										
AC servo motor capacity for hydraulic pump	kW	4.4		6.0	4.4		6.0	4.4		6.0
Hydraulic circuit pressure	MPa	15			15			15		
Tank capacity	ℓ	90			90			90		
Motor capacity for AC servo	kW	4.2			6.4			6.4		
Machine Dimension / Weight										
Machine Dimension	mm	4030×1196×1792			4400×1378×1878			4505×1360×1990		
Machine weight	kg	3.1		3.3	5.0		5.1	5.8		5.9

* Mould clamping force 392 kN is an optional specification.

Equipment List V-LINE® GL Series

Major Standard Equipments

Plasticization & Injection Unit
Anti-Wear and Anti-corrosion Specification (type 1)
High temperature heater (plasticization, injection), nozzle temperature control heater (60 to 420 °C)
Accumulator
Purging cover (with Interlock)
Synchronous heater temperature increase function & faulty heater temperature increase (heater disconnection) alarm package
Hopper Throat indipendent Temperature Control Unit
Injection setting unit selection package (% or SI)
Holding Pressure unit selection package (0.1s, 0.01s or 0.001s)
Injection and ejector synchronized multiple tasks package (In-Mould gate cut system)
Injection response change (injection 5, Holding pressure 4)
PDT setting (pressure drop time)
IPPUK moulding
Plunger retention function after metering

Mould Clamping & Ejection Unit
Vibration-isolating level pads
Ejector ejecting synchronized function while the mould is open
CR setting function (mould clamping depressurization after pressure retention)
Control Units and Others
Ground-fault interrupter (200 mA)
External receptacles 200V 20A× ② ,100V 10A× ①
Data logging interface unit
Carbide generation prevention function (alarm & automatic heat retention switching)
Traverse pick-up unit connection circuit
Icon display
Wave log
Condition change disable password
Case counter (signal output is optional)
Resin stagnation alarm (compulsive purge operation function)

Option

Plasticization & Injection Unit
Injection unit forward/backward speed variable specification
Injection and mould clamping synchronizing multi-function (injection interlocked with mould clamping)
Measurement and mould open synchronous multi-function (when valve gate used)
Cylinder heat retention cover
ZJ heater and ZH heater temperature control unit
LCP nozzle
Backflow prevention compulsive back
Mould Clamping & Ejection Unit
Automatic lubrication unit
Insulating plate thickness options (5 or 10 mm) , heat resistance options (200 or 400 °C)
Mould ejector plate return confirmation connection circuit & metal connector
Mould slide return confirmation connection circuit & metal connector
Falling sensor & camera monitoring system connection circuit (terminal block)
Platen adapter (movable platen) / 40 mm extension ejector rod
Pickup during mould opening (during mould opening, mould opening limit signal output)
Vacuum draw connection circuit, vacuum draw drive unit, vacuum draw system
Specification with motor brake for mould open/close
Hydraulic core tractor drive unit for mould open drive (select from 2/4 channels)
Locating ring adapter
Control Units and Others
Tricolor signal light
External receptacles*1 ES (-B*2) 200V 30A ① /200V 20A ①
External receptacles*1 EL (-B*2) 200V 30A ① /200V 20A ④
External receptacles N 100V 10A ①
Power strip type receptacle (3 m) 200V 30A (2) /200V 20A (2) Note: Connect to 30A receptacle
Ground-fault interrupter for external receptacles (30 mA)
Case counter package (case changing signal & production complete signal terminals)
Automatic alarm & counter ON package
Stop timer unit dedicated for hydraulic motor after error stop
Color (overall/for safety door only) selection
Auxiliary units 1.2.3 abnormal tri-input stop signal
Water unavailable, air unavailable alarms

V Connect
SMDL (USB flight recorder)
Logic I/O
Mould internal pressure control function (8 channels)
Auxiliary Units
Mould cooling water manifold (select from 4/8 channels)
Reverse chute connection circuit
Reverse chute unit (connection circuit, with main body)
Conveyor start position contact signal connection circuit (forward and reverse rotation commands)
Product falling chute
Core rotation signal terminal block
Core rotation power unit
Pick-up unit base
Mould heater temperature control connection circuit (2/4 kW × 2/3/4 circuit) selection (with current detection and disconnection alarm)
Mould (hot runner) temperature monitoring thermocouple connection circuit
Hot runner temperature control connection circuit (2 kW/2 circuits)
Mould thermocouple (non-grounded type) (select from ϕ 2.3/4.8 × 2,000/3,000 mm)
Mould thermocouple holder (select from ϕ 2.3/ ϕ 4.8)
Hot runner valve gate signal (1 contact output)
Air ejector connection circuit (select from 1/2 channels) (terminal block)
Hydraulic core tractor connection circuit & drive unit (solenoid valve) (select from 1/2 channels)
Pneumatic core tractor connection circuit & drive unit (solenoid valve) (select from 1/2 channels)
Machine body height increase (100 mm)
RJG interface
Valve gate signal with injection IL function
Analog data output (injection pressure & plunger position)
Special Customization
High wear and corrosion resistance (type 2)
Optical lens specifications (type 5)
Check valve for holding nozzle touch pressure
Specification compliant with safety standards of several countries *3 (GB (China / KCS (Korea) / USA)
Procurement Items from Other Venders
Mould clamp (8 pieces/set)
Hydraulic fluid (S3VE46 and S4ME46)
Hopper (select from 7/20/40ℓ) (rotary)
Cable for data logging

*1: Receptacles made by American Denki Co., Ltd. are selectable
*2: (-B) (interlocking/non-interlocking batch switching type)
*3: Standardly equipped for JIMS (Japan) specification

Our Moulding and Maintenance Seminars



We periodically conduct various moulding seminars so that users can learn to fully utilize the capabilities of Sodick injection moulding machines. We also periodically conduct injection moulding machine maintenance seminars so that users can use our injection moulding machines for a long time. Both are conducted with small class sizes to maximize learners' understanding. For your convenience, we also offer training via remote learning.

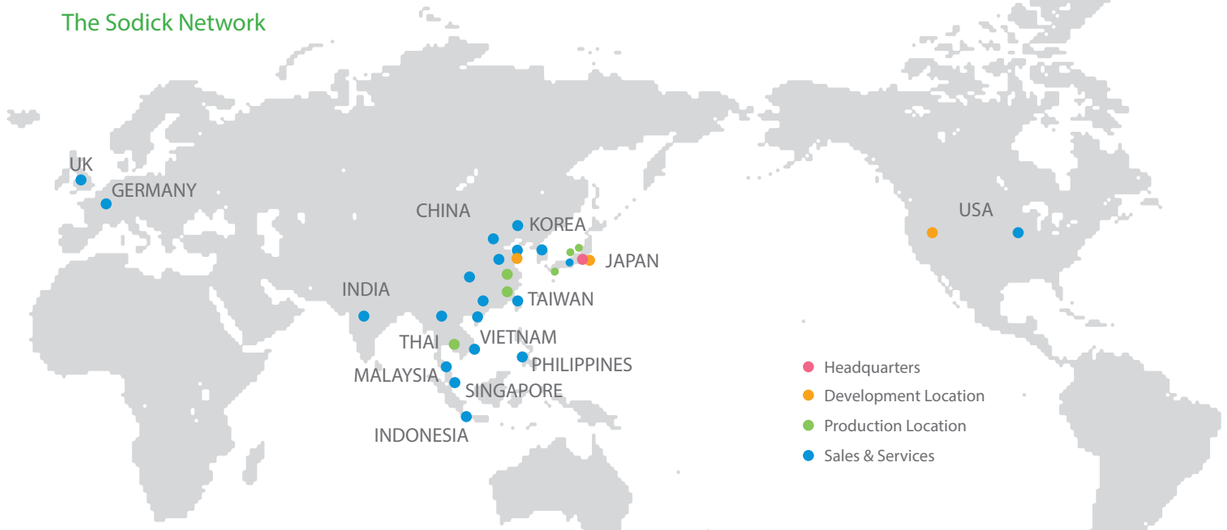
* See our website (https://www.sodick.co.jp/) or contact a sales representative for scheduling details.

Our R&D Center



We support our customers to help them improve product quality and production efficiency. Our R&D center (at our Kaga office) has a variety of injection moulding machines that can meet customer requests. Please contact a sales representative regarding requests for trial mouldings, etc.

The Sodick Network



Sales and Services Location (Domestic)

Sales Headquarters

East Japan Branch
- Sendai Sales Office
- Omiya Sales Office
- Ota Satellite Office
- Niigata Satellite Office
- Yokohama Sales Office
- Matsumoto Sales Office

Central Japan Branch
- Nagoya Sales Office
- Hokuriku Sales Office

West Japan Branch
- Osaka Sales Office
- Okayama Sales Office
- Fukuoka Sales Office

Development Location

- Sodick America Corporation
- Shanghai Sodick Software Co., Ltd.

Production Location

- Sodick (Thailand) Co., Ltd.
- Suzhou Sodick Special Equipment Co., Ltd.
- Sodick Amoy Co., Ltd.

Sales & Services (Overseas)

- Sodick, Inc.
- Sodick Europe Ltd.
- Sodick Deutschland GmbH
- Sodick Electromechanical (Shanghai) Co., Ltd.
- Sodick Tom (Shanghai) Co., Ltd.
- Sodick Enterprise (S.Z.) Co., Ltd.
- Sodick International Trading (Shenzhen) Co., Ltd.
- Sodick (H.K.) Co., Ltd.
- Sodick Korea Co., Ltd.
- Sodick (Taiwan) Co., Ltd.
- Sodick Vietnam Co., Ltd.
- Sodick (Thailand) Co., Ltd.
- Sodick Philippines Inc.
- PT Sodick Technology Indonesia
- Sodick Singapore Pte., Ltd.
- Sodick Technology (M) Sdn Bhd.

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

GL series



Create your Future

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