

WE WALK ALONGSIDE THE WORLD

Stock Code: 300415

Designed by Yizumi in November 2021

**YIZUMI** 伊之密

# PAC

**PAC Series Thin-wall Injection  
Molding Machine**

**广东伊之密高速包装系统有限公司**

GUANGDONG YIZUMI HIGH SPEED PACKAGING SYSTEM CO., LTD.

Address: No. 9, Shunchang Road, Daliang Wusha Industrial Park, Shunde District, Foshan City

TEL: 86-757 2926 2215 Email: [imm@yizumi.com](mailto:imm@yizumi.com) [www.yizumi.com](http://www.yizumi.com)

Disclaimer:

1. All data on the page comes from YIZUMI factory, please refer to the actual customized equipment;
2. The product pictures and text content inside are for illustrative purposes only, the actual product performances (including but not limited to appearance, color, and size) may be slightly different, please refer to the actual product;



# PAC

## CONTENTS

About Yizumi .....	01
One-stop service — Address customer's pain points and solve the issues .....	02
Overview Design of PAC Series Machine .....	04
Order Customized “Feature Pack” For Your Product .....	06
Applications .....	08
Specification of PAC .....	10
Specification of PAC-K .....	26

## About Yizumi



As a subsidiary of Guangdong Yizumi Precision Machinery Co., Ltd., Guangdong Yizumi High Speed Packaging System Co., Ltd. is a high-tech enterprise specialized in providing total solutions to high-speed molding of plastic packaging containers. The company is located in Shunde Wusha Industrial Park in Foshan of Guangdong Province. With its financial strength and production capacities, the company has brought together the industry's talented R&D, design, manufacturing, marketing, and service teams. Adhering to the pursuit of technology innovation and product quality, it is committed to move the China's equipment technology forwards with the rest of the world and create better return on investment return and customer experience for the users worldwide.

Relying on its advanced manufacturing equipment and years of R&D experience, the company strives to provide total high-speed molding solutions for plastic packaging containers. Through independent R&D in conjunction with international advanced technologies, the overall quality and performance have reached the advanced level of the domestic counterparts with its products widely used in beverage packaging, food packaging, and medical packaging.

The company is equipped with domestic precision processing machinery and production lines in constant temperature and dust-free environment. Staffed with experienced professional and technical teams, it serves each and every customer with care and offers one-stop comprehensive total solution by adhering to the corporate spirit of innovation and hard work as well as the concept of “Efficiency, Precision, Economic, Reliable, Energy-Saving, and Environmental Protection” .

# One-stop service Address customer's pain points and solve the issues

## 01 Communication of Product Concept

Customers provide the concept of product requirements. The professionals from Yizumi will assist customers in the design and development of the product to improve customers' production efficiency and product competitiveness.

## 02 Overall Planning

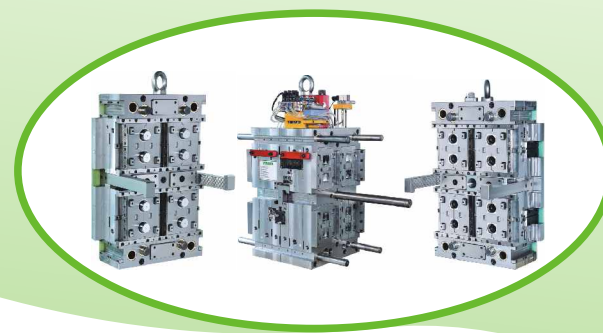
The professionals from Yizumi will provide customers with capacity assessment, equipment and production line integration, manufacturing facility planning and other total solutions.

## 03 Connected Production

Yizumi offers full-process control over in-plant wiring, equipment, mold, and automation from manufacturing to integration testing to eliminate integration risks. The system can be put into production as soon as it arrives.

## 04 YFO Exclusive Services

With the service concept throughout the entire process, Yizumi is committed to reduce downtime by focusing on details. Improving the productivity of customers is our ultimate goal.





## Overview Design of PAC Series Machine

### Robust Toggles

The overall optimized design of toggle strength and rigidity greatly improves the stability of the clamping and effectively extends the service life of the machine.

### Unique Large Beveled Cosshead Toggles Design

Large beveled structure can better transfer force from the tail toggle hole to the center of the platen to minimize the platen deformation, ensure the uniformity of force applied on the platens and mold, extend the service life, and make certain the quality of products.

### Optimized Control Program

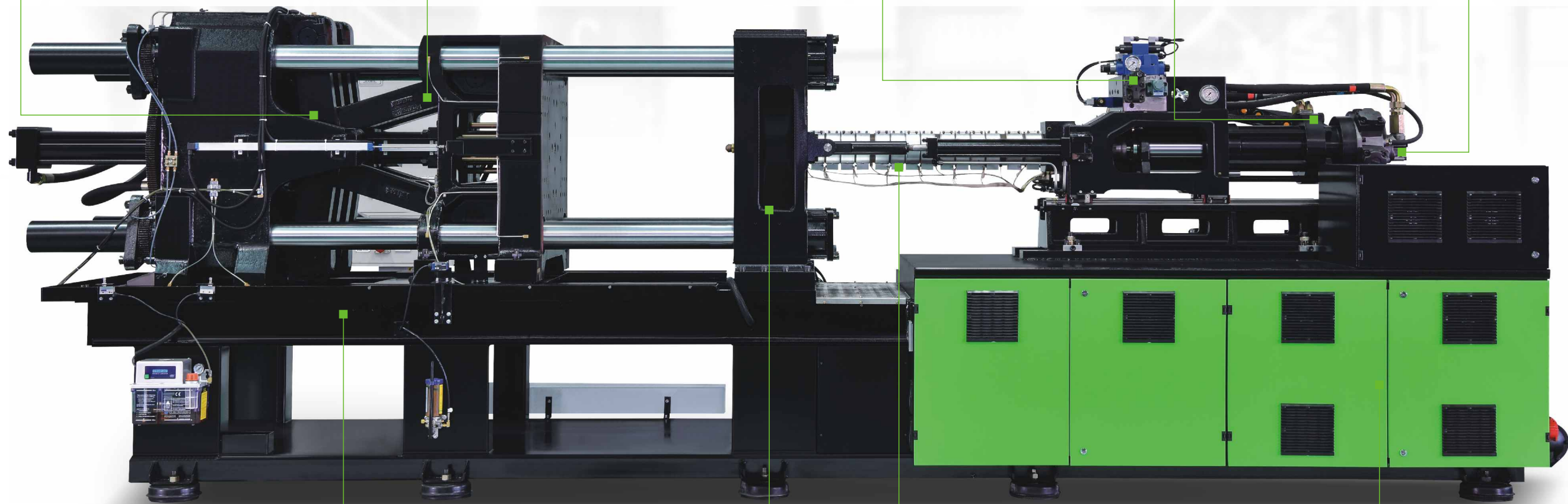
Selecting the high-quality hydraulic components to reduce response time, oil circuit impact, and overall machine noise. Machine will go through a number of tests and optimizing adjustments to meet the high quality requirements.

### Single Cylinder Injection Unit

The compact single cylinder injection structure renders features such as small movement inertia, short acceleration time, and high repetitive accuracy of injection. It can be adapted to a variety of injection units according to different product processing requirements.

### Optimized Cylinder Sealing Structure

Based on many years of manufacturing experience and the characteristics of oil circuit in high-speed single cylinder devices, the cylinder sealing structure is further optimized to ensure the durability of the injection unit and avoid oil leakage.



### High-rigid Machine Frame

The Steel I-Beam type machine frame provides sufficient rigidity to ensure a smooth and vibration-free operation at high speed.

### High-rigid and Low Deformation Platens

The adoption of reinforced platen design according to the characteristics of thin-walled packaging products. With perfect combination of strength and rigidity, while minimize the platen deformation, it maintains a flexible and smooth movement.

### Horizontal Dual-carriage Design

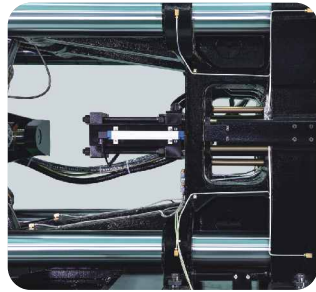
The adoption of horizontal dual-carriage cylinder design effectively eliminates the turning torque of the injection mechanism and ensures a stable and reliable injection.

### Efficient Power Output

Power output is optimized to realize the step distribution of 150-800mm/s injection speed.



# Order Customized “Feature Pack” For Your Product



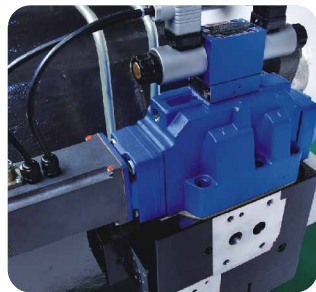
### Ejector-on-Fly

Ejector while mold opening to shorten the production cycle time.



### Use of Appropriate Screw and Barrels

Select from a variety of professional screw and barrels, according to the characteristics of different raw materials and production processes to ensure the plasticizing quality.



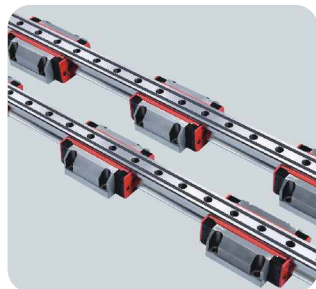
### High-speed Mold Opening /Closing Proportional Valve

Further reduce the reaction time. Double the repetitive accuracy of mold opening ends and increase the operating speed of mold opening/closing by 15%-20%, suitable for the production of various precision thin-walled products.



### Infrared Heater Band

The infrared heater band reduces the heat loss by 30%-68%.



### Linear Guide Rails

Reduce the friction from movable platen to further lower energy consumption, improve operating speed and shorten the production cycle time.



### Servo Injection with Accumulator

Increase the injection speed up to 800mm/s and double the repetitive accuracy of injection. It is capable to produce thinner and more sophisticated products while shortening the injection time and improving the production efficiency.



### Electric dozing motor

Reduce production cycle time through parallel operation. Driven by servo motor, the dozing motor has higher energy conversion efficiency and saves more energy.



### Shut-off Nozzle

Choose the long-lasting precision shut-off nozzle. Effectively avoid nozzle drooling.



## Electrical System

- ◆ Faster processing speed, optimized control rate, and outstanding repetitive accuracy help to achieve more stable product quality.
- ◆ Bright, full color 10-inch touch screen input and easy-to-use operation page.
- ◆ Multi-stage injection and plasticizing function pages are easy to use and improve processes accordingly.
- ◆ The production management and production monitoring functions can communicate with the peripheral equipment barrier-free.
- ◆ Online quality monitoring function and injection molding industry 4.0.

# Applications



## Food Packaging

Cover a wide range of packaging for various food, beverages, cheese, disposable take-out food containers, plastic cutlery, IML packaging. Provide a variety of equipment and mold options. Offer production line turn-key delivery in collaboration with high-quality solution providers.

## Disposable Medical Supplies

Injector, pipet tips, petri dish, and other products. Provide clean, efficient, and stable system solutions.

## Various Types of Bottle Caps

Can make all kinds of bottle caps including beverage bottle seal caps, pull-off caps, folding caps, dustproof caps, etc. With the special kit for bottle cap machine to meet the requirements of precision bottle cap production.

## Various Types of Thin-Walled Plastic Products

Such as 5L-20L industrial sealed barrels, all types of logistics cable ties, and multi-cavity silicon sealant barrels. For plastic products with high flow length ratio and light gram weight, it can effectively improve the productivity and product quality.

## PAC Series serves at



# Yizumi High-speed Packaging

Strives to Be the Most Cost-effective Solution Provider in Packaging Industry

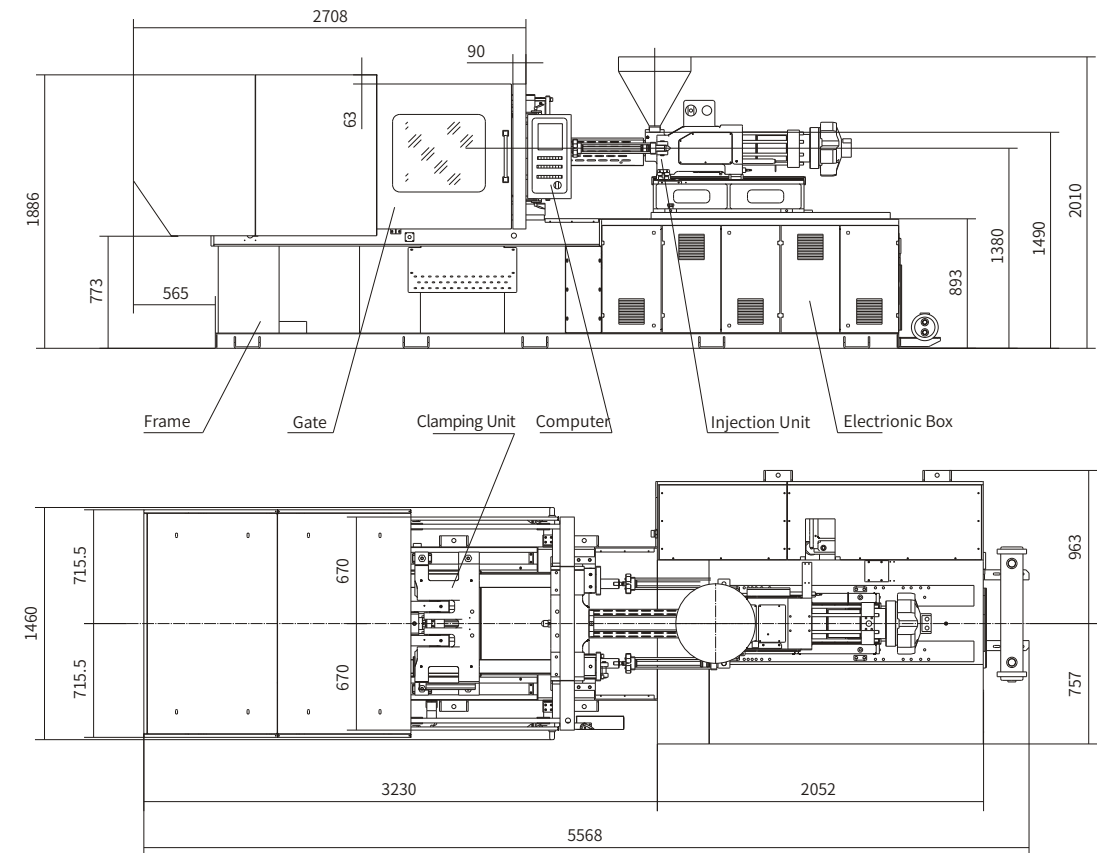


# PAC150 High-speed Injection Molding Machine

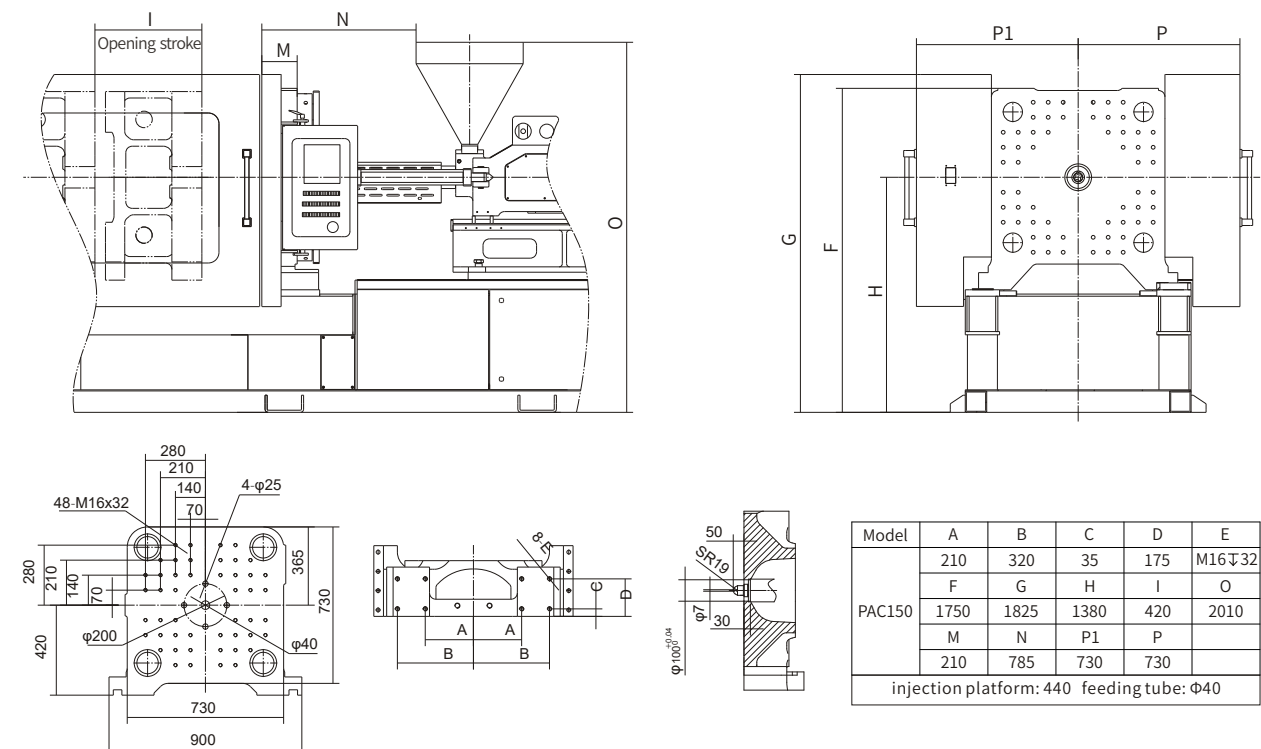
DESCRIPTION	UNIT	PAC150			
International specification		440/1500	640/1500		
<b>INJECTION UNIT</b>					
Shot volume	cm <sup>3</sup>	221	280	334	412
Shot weight	g	203	258	307	379
	oz	7.2	9.1	10.8	13.4
Screw diameter	mm	40	45	45	50
Injection pressure	MPa	199	158	194	158
Screw L:D ratio		22:1			
Max.injection speed ①	mm/s	150/230/290			120/190/235
Max.injection speed with accumulator	mm/s	500			500
Nozzle stroke	mm	400			
Screw stroke	mm	176			210
Screw speed(stepless)	r/min	0-300			
<b>CLAMPING UNIT</b>					
Clamping force	kN	1500			
Opening stroke	mm	420			
Space between bars	mm x mm	450*450			
Max. Daylight	mm	870			
Mold thickness(Min.Max)	mm	150-450			
Hydraulic ejection stroke	mm	150			
Ejector number		5			
Hydraulic ejector force	kN	77			
<b>POWER UNIT</b>					
Hydraulic system pressure	MPa	17.5			
Pump motor ①	kW	23/45.2/55			
Pump motor with accumulator	kW	45.2+11		45.2+22	
Electric screw drive	kW	16.4			
Heating capacity	kW	11	11	16.5	
Number of temp control zones		5			
<b>GENERAL UNIT</b>					
Dry cycle time	s	1.8			
Oil tank capacity	L	400			
Machine dimensions(LxWxH)	m x m x m	5.57*1.72*2.01			
Machine weight	Ton	7.8			

① : Servo/Standard Servo/Amplified Servo

PAC150 Layout drawings



PAC150 Platen Dimension Drawings



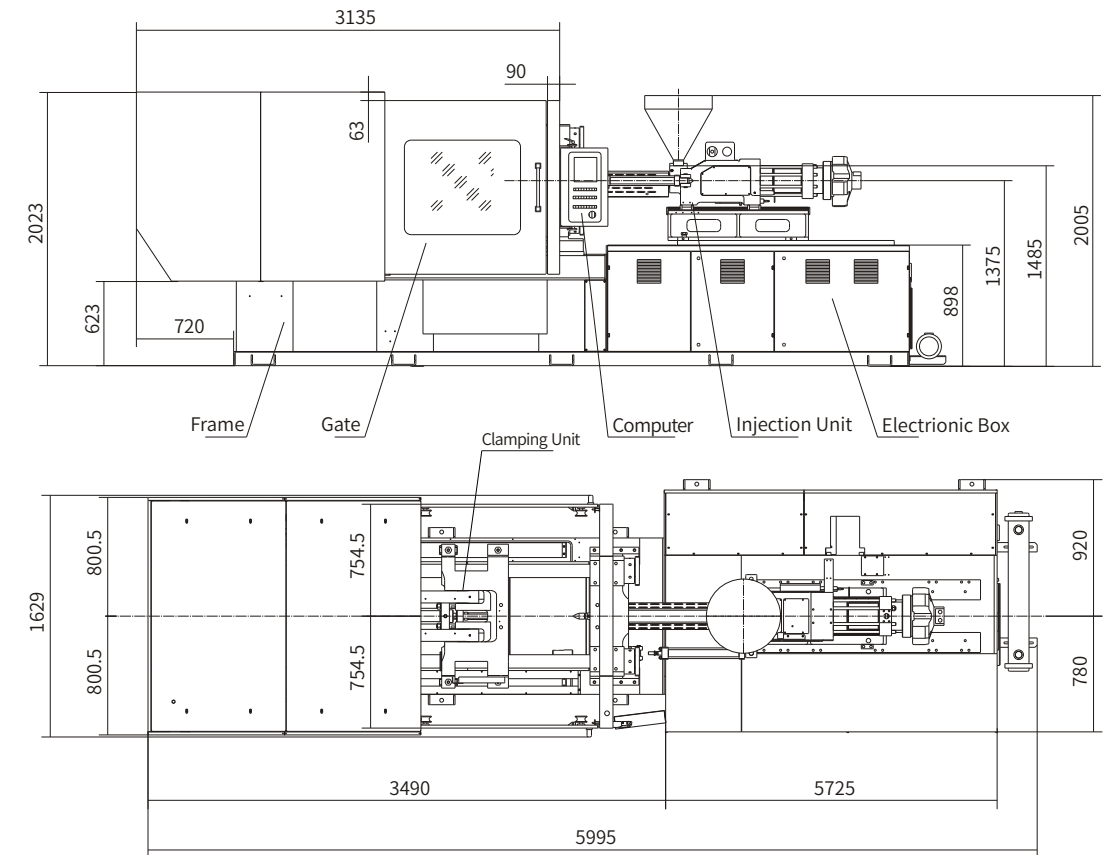


# PAC200 High-speed Injection Molding Machine

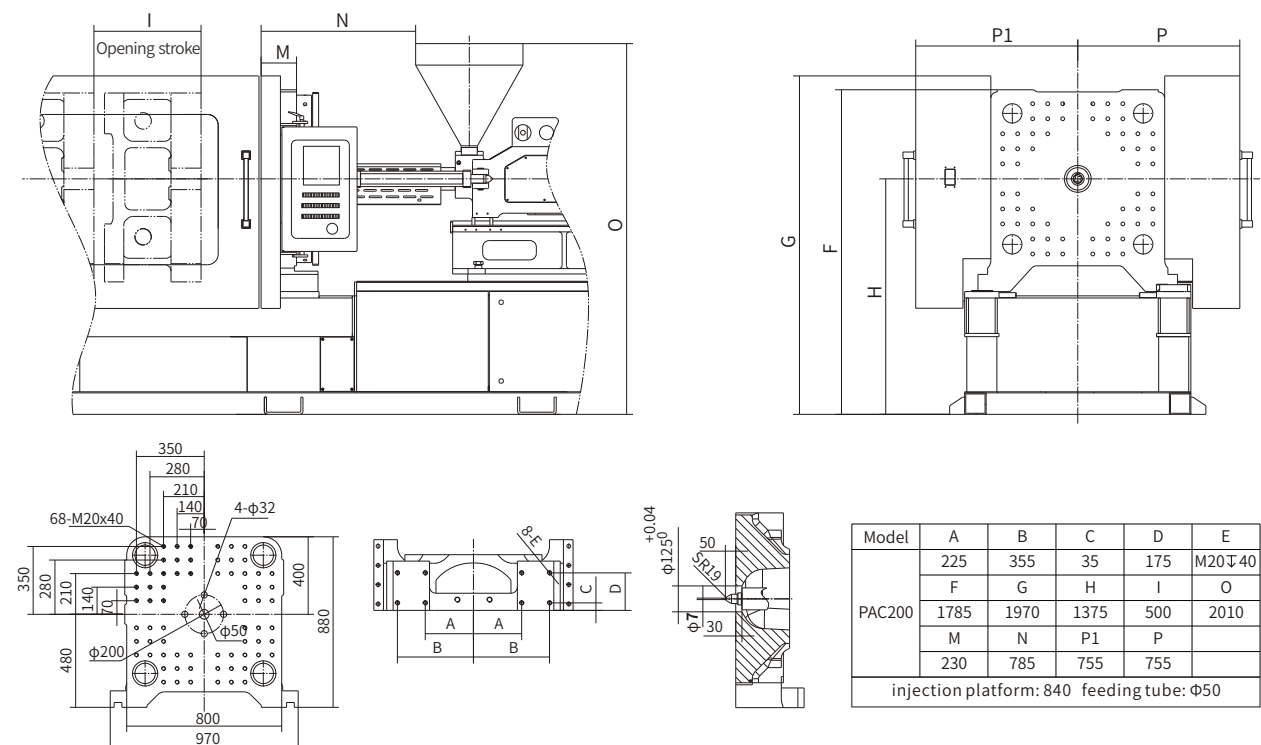
DESCRIPTION	UNIT	PAC200			
International specification		440/2000		640/2000	
<b>INJECTION UNIT</b>					
Shot volume	cm <sup>3</sup>	221	280	334	412
Shot weight	g	203	258	307	379
	oz	7.2	9.1	10.8	13.4
Screw diameter	mm	40	45	45	50
Injection pressure	MPa	199	158	194	158
Screw L:D ratio		22:1			
Max.injection speed ①	mm/s	185/230/290		150/190/235	
Max.injection speed with accumulator	mm/s	500		500	
Nozzle stroke	mm	400			
Screw stroke	mm	176		210	
Screw speed(stepless)	r/min	0-300			
<b>CLAMPING UNIT</b>					
Clamping force	kN	2000			
Opening stroke	mm	500			
Space between bars	mm x mm	520*520			
Max. Daylight	mm	1050			
Mold thickness(Min.Max)	mm	200-550			
Hydraulic ejection stroke	mm	150			
Ejector number		5			
Hydraulic ejector force	kN	77			
<b>POWER UNIT</b>					
Hydraulic system pressure	MPa	17.5			
Pump motor ①	kW	33.9/45.2/55			
Pump motor with accumulator	kW	45.2+11		45.2+22	
Electric screw drive	kW	16.4			
Heating capacity	kW	11	11	16.5	
Number of temp control zones		5			
<b>GENERAL UNIT</b>					
Dry cycle time	s	2			
Oil tank capacity	L	580			
Machine dimensions(LxWxH)	m x m x m	6*1.8*1.9			
Machine weight	Ton	9.26			

① : Servo/Standard Servo/Amplified Servo

PAC200 Layout drawings



PAC200 Platen Dimension Drawings

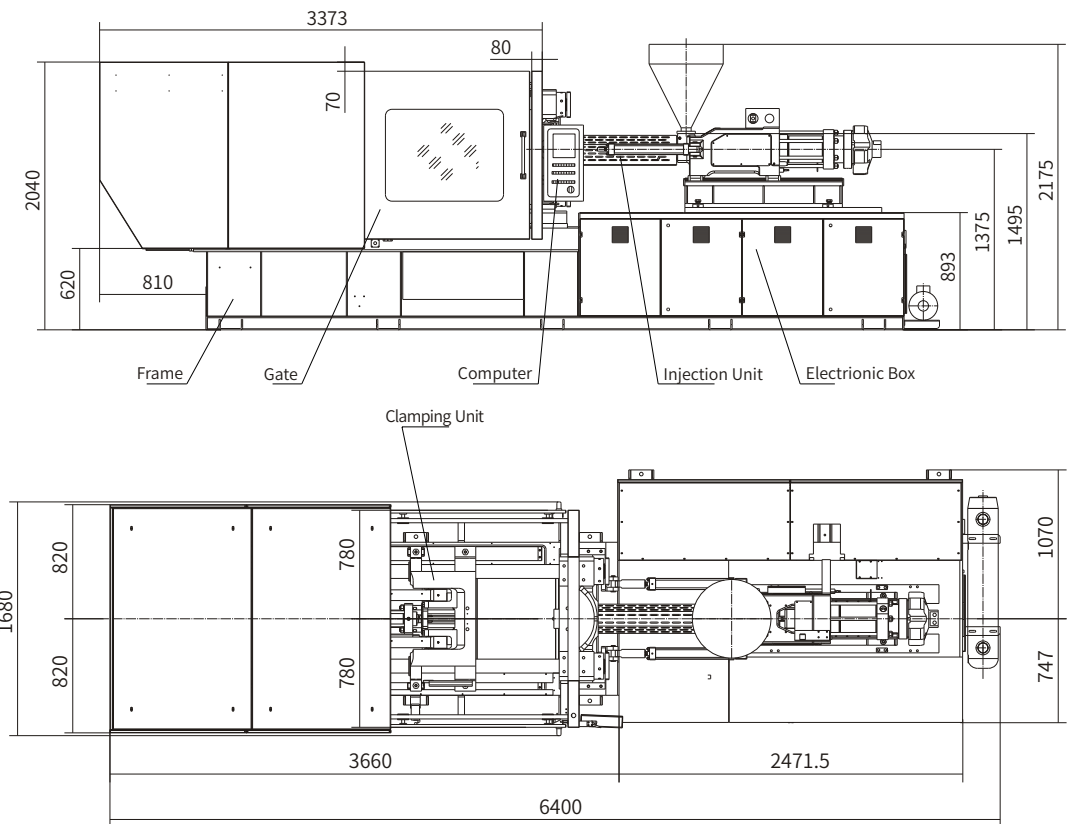


# PAC250 High-speed Injection Molding Machine

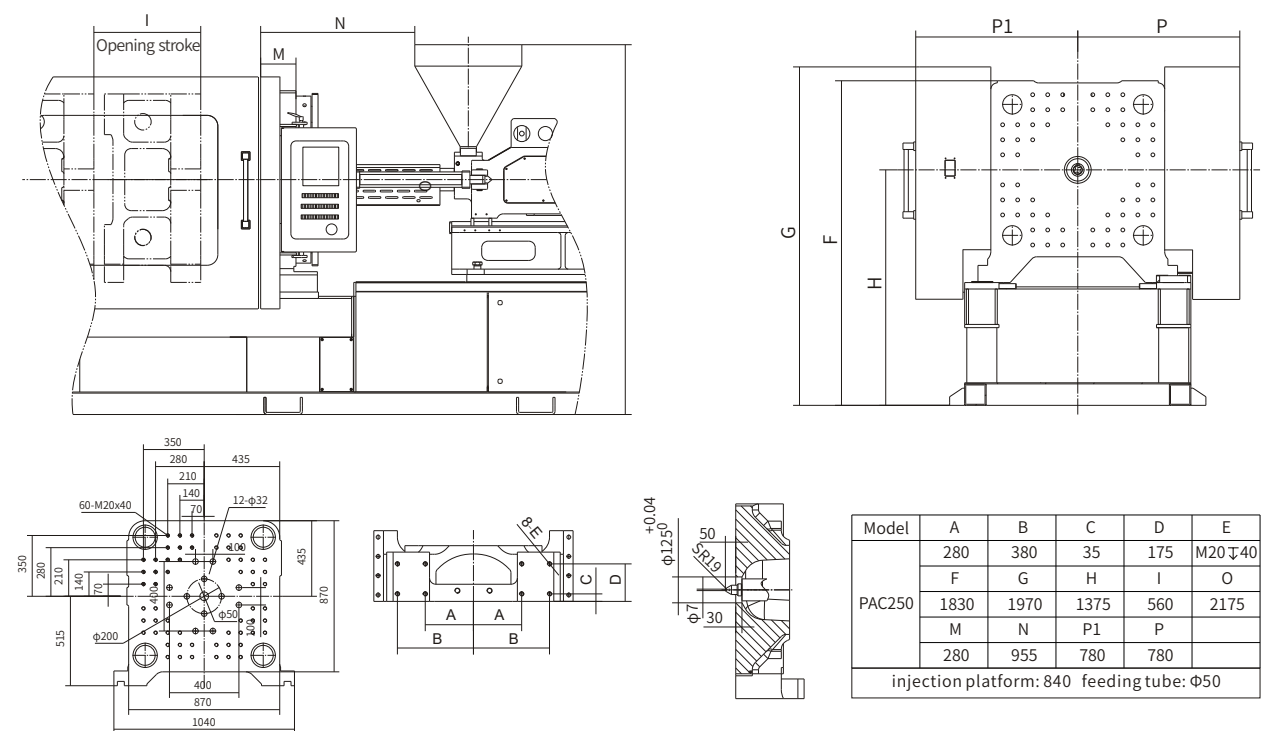
DESCRIPTION	UNIT	PAC250								
International specification		440/2500	640/2500	840/2500						
<b>INJECTION UNIT</b>										
Shot volume	cm <sup>3</sup>	221	280	334	412	442	535	636		
Shot weight	g	203	258	307	379	406	492	585		
	oz	7.2	9.1	10.8	13.4	14.3	17.3	20.6		
Screw diameter	mm	40	45	45	50	50	55	60		
Injection pressure	MPa	199	158	194	158	191	158	132		
Screw L:D ratio		22:1								
Max.injection speed ①	mm/s	185/290	150/235	125/195						
Max.injection speed with accumulator	mm/s	500	500	500						
Nozzle stroke	mm	400							450	
Screw stroke	mm	176	210	225						
Screw speed(stepless)	r/min	0-300								
<b>CLAMPING UNIT</b>										
Clamping force	kN	2500								
Opening stroke	mm	560								
Space between bars	mm x mm	580*580								
Max. Daylight	mm	1160								
Mold thickness(Min.Max)	mm	220-600								
Hydraulic ejection stroke	mm	180								
Ejector number		13								
Hydraulic ejector force	kN	137								
<b>POWER UNIT</b>										
Hydraulic system pressure	MPa	17.5								
Pump motor ①	kW	33.9/55								
Pump motor with accumulator	kW	45.2+11	45.2+22	45.2+22						
Electric screw drive	kW	16.4							20	
Heating capacity	kW	11	11	16.5	16.5	22	24.8			
Number of temp control zones		5								
<b>GENERAL UNIT</b>										
Dry cycle time	s	2.2								
Oil tank capacity	L	650								
Machine dimensions(LxWxH)	m x m x m	6.4*1.91*2.18								
Machine weight	Ton	10.5								

① : Servo/Standard Servo

PAC250 Layout drawings



PAC250 Platen Dimension Drawings

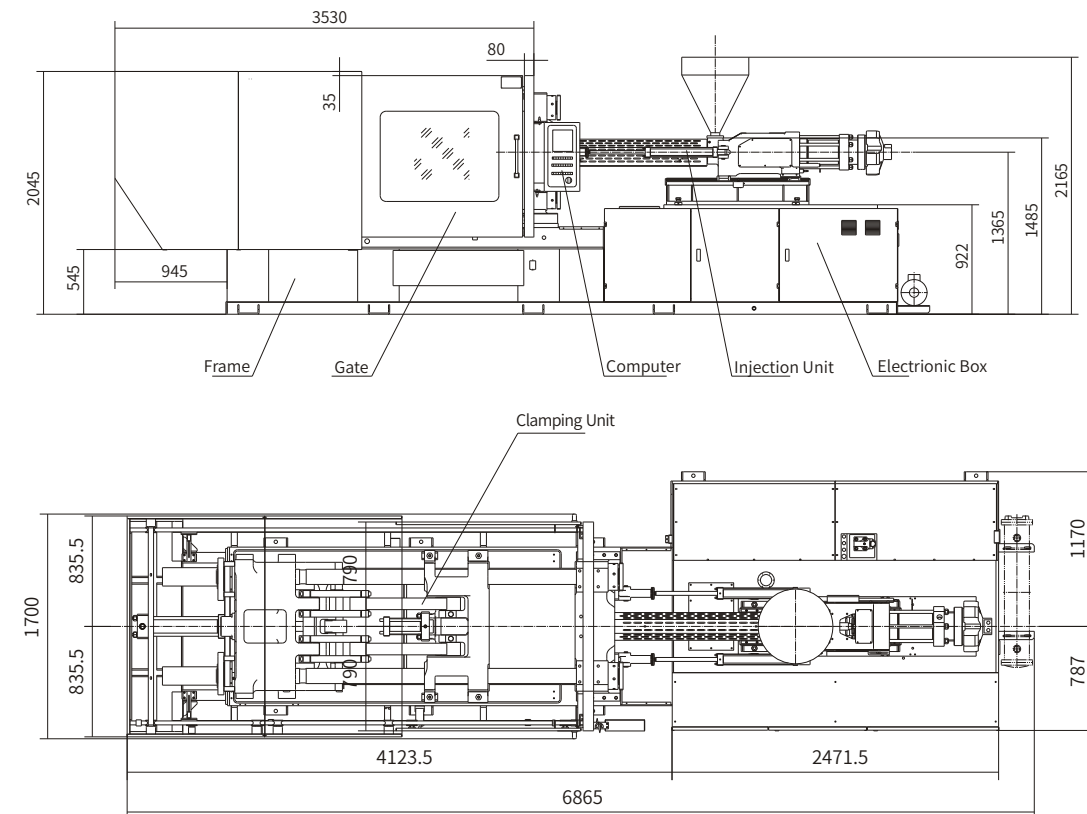


# PAC300 High-speed Injection Molding Machine

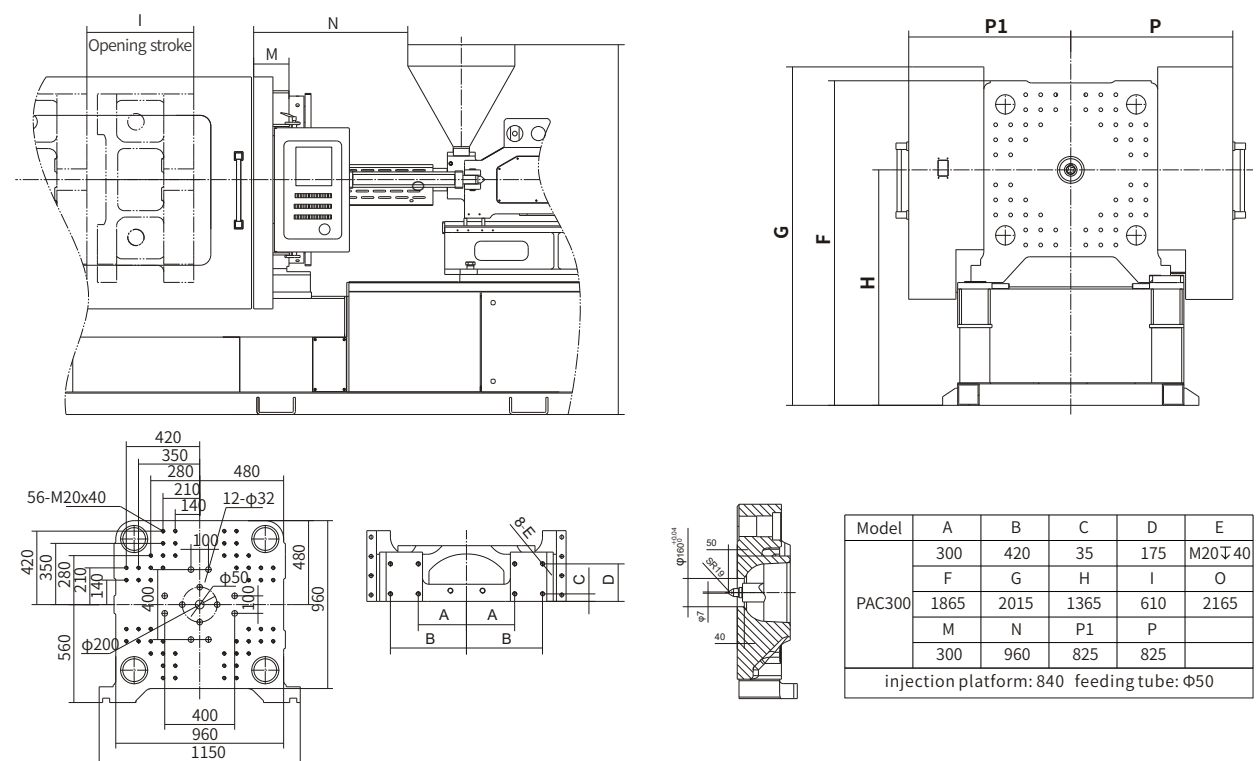
DESCRIPTION	UNIT	PAC300									
International specification		840/3000	1080/3000	1480/3000							
<b>INJECTION UNIT</b>											
Shot volume	cm <sup>3</sup>	442	535	636	491	594	707	763	896	1039	
Shot weight	g	406	492	585	452	546	650	702	824	956	
	oz	14.3	17.3	20.6	15.9	19.3	22.9	24.8	29.1	33.7	
Screw diameter	mm	50	55	60	50	55	60	60	65	70	
Injection pressure	MPa	191	158	132	227	187	158	194	166	143	
Screw L:D ratio		22:1									
Max.injection speed ①	mm/s	195/280/350	165/235/295	130/190/240							
Max.injection speed with accumulator	mm/s	500	500	500							
Nozzle stroke	mm	450									
Screw stroke	mm	225	250	270							
Screw speed(stepless)	r/min	0-300									
<b>CLAMPING UNIT</b>											
Clamping force	kN	3000									
Opening stroke	mm	610									
Space between bars	mm x mm	635*635									
Max. Daylight	mm	1260									
Mold thickness(Min.Max)	mm	250-650									
Hydraulic ejection stroke	mm	180									
Ejector number		13									
Hydraulic ejector force	kN	137									
<b>POWER UNIT</b>											
Hydraulic system pressure	MPa	17.5									
Pump motor ①	kW	55/45.2+33.9/55+45.2									
Pump motor with accumulator	kW	55+22	55+22								
Electric screw drive	kW	20	29	29							
Heating capacity	kW	16.5	22	24.8	16.5	22	24.8	22.6	24	27	
Number of temp control zones		5									
<b>GENERAL UNIT</b>											
Dry cycle time	s	2.3									
Oil tank capacity	L	650									
Machine dimensions(LxWxH)	m x m x m	6.9*2.05*2.2									
Machine weight	Ton	12.52									

① : Servo/Standard Servo/Amplified Servo

PAC300 Layout drawings



PAC300 Platen Dimension Drawings



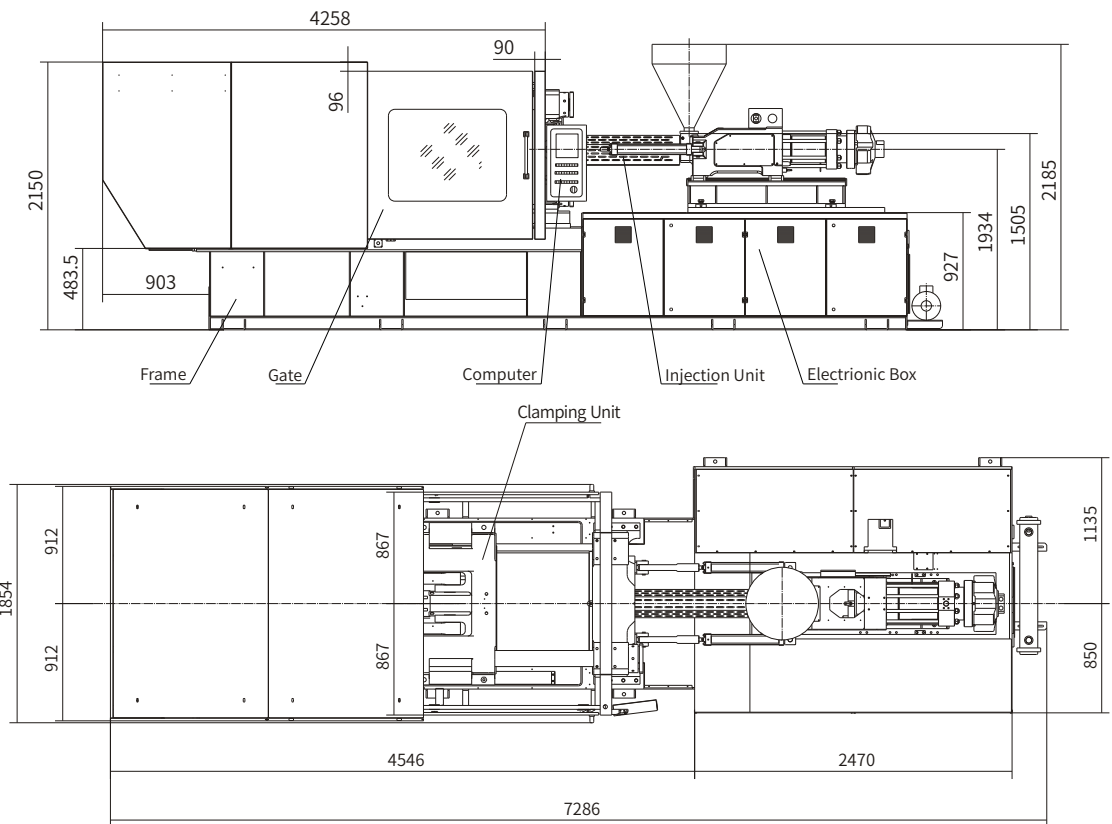


# PAC350 High-speed Injection Molding Machine

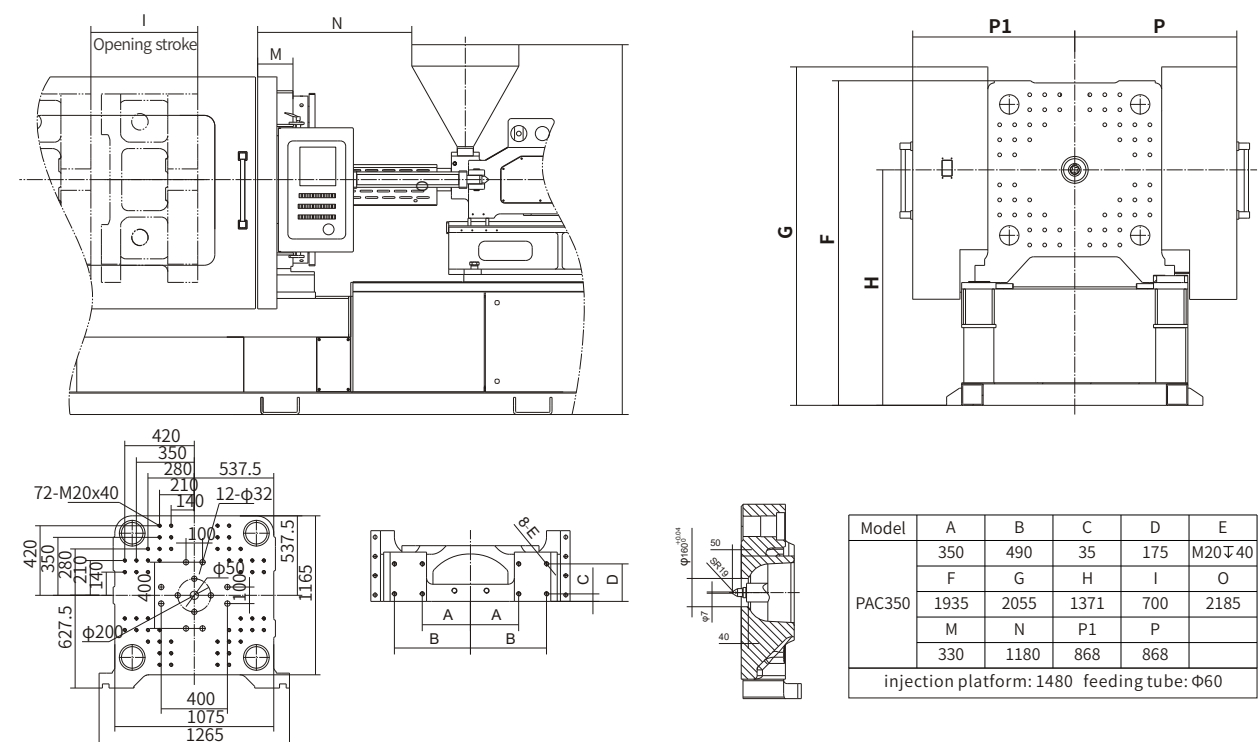
DESCRIPTION	UNIT	PAC350									
International specification		1080/3500	1480/3500	2180/3500							
<b>INJECTION UNIT</b>											
Shot volume	cm <sup>3</sup>	491	594	707	763	896	1039	891	1212	1583	
Shot weight	g	452	546	650	702	824	956	819	1115	1457	
	oz	15.9	19.3	22.9	24.8	29.1	33.7	28.9	39.3	51.4	
Screw diameter	mm	50	55	60	60	65	70	60	70	80	
Injection pressure	MPa	227	187	158	194	166	143	246	181	138	
Screw L:D ratio		22:1									
Max.injection speed ①	mm/s	160/270/325	130/220/265	105/170/210							
Max.injection speed with accumulator	mm/s	500	500	500							
Nozzle stroke	mm	450									
Screw stroke	mm	250	270	315							
Screw speed(stepless)	r/min	0-300									
<b>CLAMPING UNIT</b>											
Clamping force	kN	3500									
Opening stroke	mm	700									
Space between bars	mm x mm	730*730									
Max. Daylight	mm	1450									
Mold thickness(Min.Max)	mm	300-750									
Hydraulic ejection stroke	mm	200									
Ejector number		13									
Hydraulic ejector force	kN	137									
<b>POWER UNIT</b>											
Hydraulic system pressure	MPa	17.5									
Pump motor ①	kW	55/55+33.9/55+55									
Pump motor with accumulator	kW	55+22					55+30				
Electric screw drive	kW	29			29			42			
Heating capacity	kW	16.5	22	24.8	22.6	24	27	30	32	35	
Number of temp control zones		5									
<b>GENERAL UNIT</b>											
Dry cycle time	s	2.6									
Oil tank capacity	L	724									
Machine dimensions(LxWxH)	m x m x m	7.5*2.2*2.4									
Machine weight	Ton	15									

① : Servo/Standard Servo/Amplified Servo

PAC350 Layout drawings



PAC350 Platen Dimension Drawings

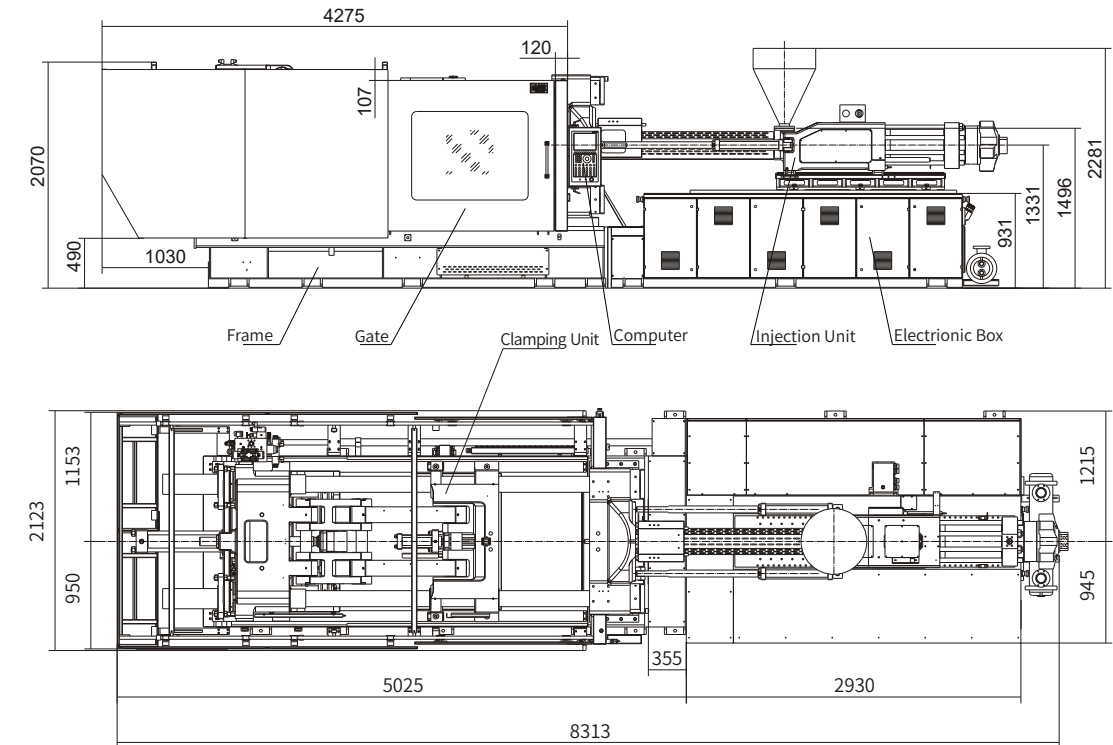


# PAC450 High-speed Injection Molding Machine

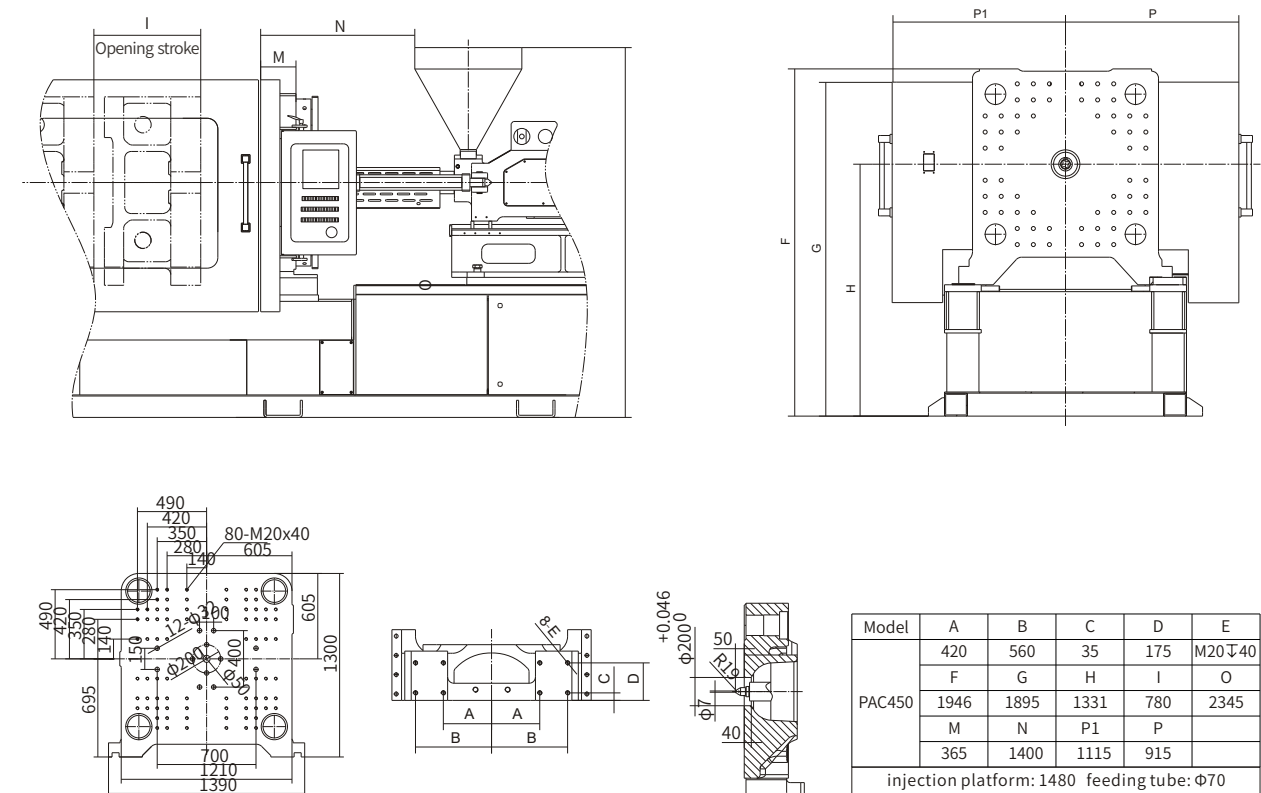
DESCRIPTION	UNIT	PAC450											
International specification		1080/4500	1480/4500	2180/4500									
<b>INJECTION UNIT</b>													
Shot volume	cm <sup>3</sup>	491	594	707	763	896	1039	891	1212	1583			
Shot weight	g	452	546	650	702	824	956	819	1115	1457			
	oz	15.9	19.3	22.9	24.8	29.1	33.7	28.9	39.3	51.4			
Screw diameter	mm	50	55	60	60	65	70	60	70	80			
Injection pressure	MPa	227	187	158	194	166	143	246	181	138			
Screw L:D ratio		22:1											
Max.injection speed ①	mm/s	160/330/370	130/265/300				105/210/240						
Max.injection speed with accumulator	mm/s	500	500				500						
Nozzle stroke	mm	450											
Screw stroke	mm	250	270				315						
Screw speed(stepless)	r/min	0-300											
<b>CLAMPING UNIT</b>													
Clamping force	kN	4500											
Opening stroke	mm	780											
Space between bars	mm x mm	820*820											
Max. Daylight	mm	1580											
Mold thickness(Min.Max)	mm	300-800											
Hydraulic ejection stroke	mm	220											
Ejector number		13											
Hydraulic ejector force	kN	137											
<b>POWER UNIT</b>													
Hydraulic system pressure	MPa	17.5											
Pump motor ①	kW	55/55+55/55+63											
Pump motor with accumulator	kW	55+22				55+30							
Electric screw drive	kW	29		29		42							
Heating capacity	kW	16.5	22	24.8	22.6	24	27	30	32	35			
Number of temp control zones		5											
<b>GENERAL UNIT</b>													
Dry cycle time	s	3.5											
Oil tank capacity	L	750											
Machine dimensions(LxWxH)	m x m x m	8.3*2.3*2.4											
Machine weight	Ton	22											

① : Servo/Standard Servo/Amplified Servo

PAC450 Layout drawings



PAC450 Platen Dimension Drawings

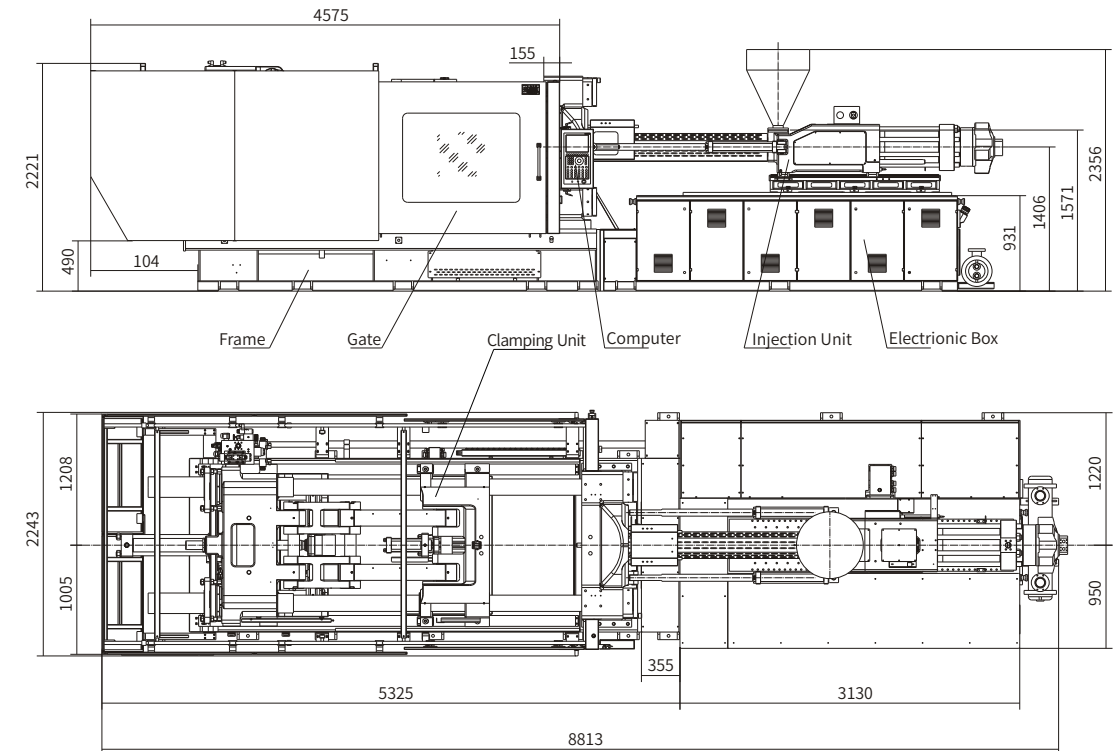


# PAC550 High-speed Injection Molding Machine

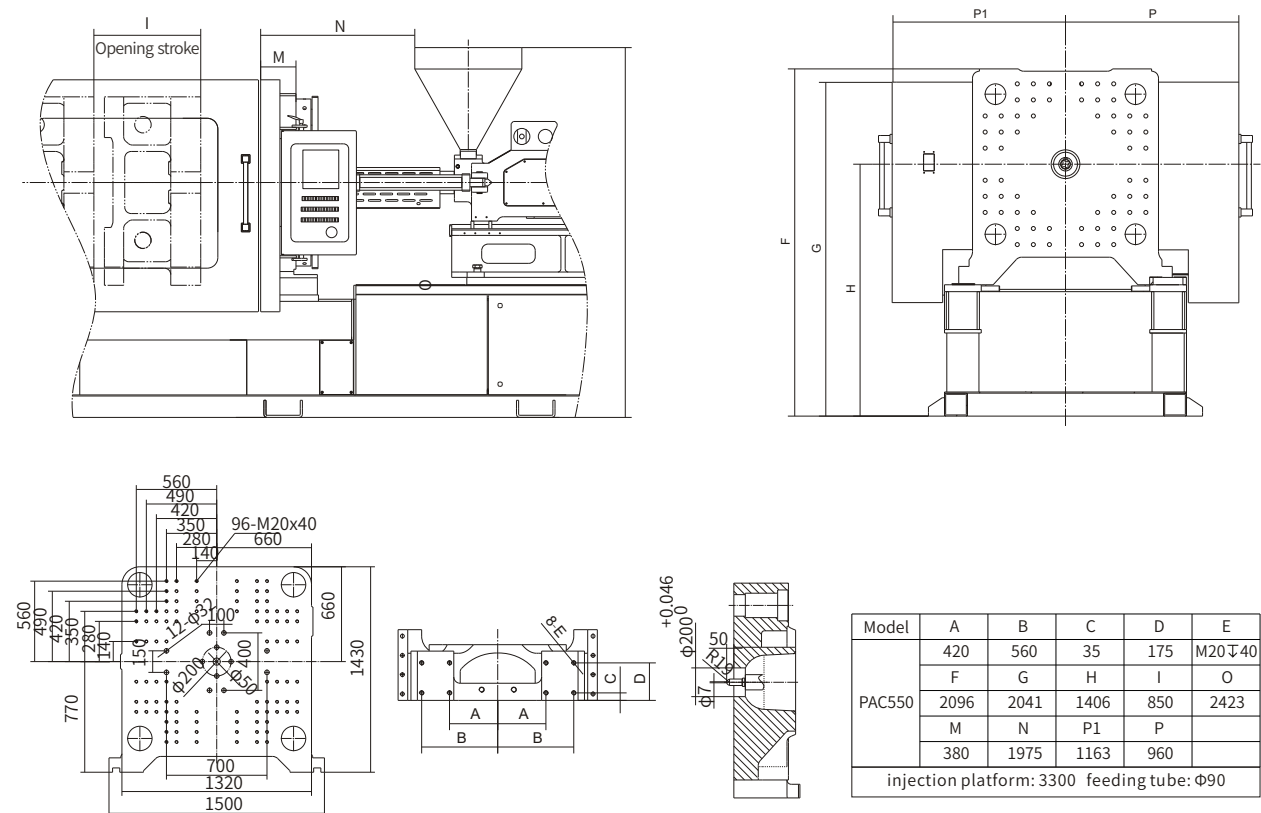
DESCRIPTION	UNIT	PAC550										
International specification		1480/5500	2180/5500	3300/5500								
<b>INJECTION UNIT</b>												
Shot volume	cm <sup>3</sup>	763	896	1039	891	1212	1583	1366	1784	2258		
Shot weight	g	702	824	956	819	1115	1457	1257	1642	2078		
	oz	24.8	29.1	33.7	28.9	39.3	51.4	44.3	57.9	73.3		
Screw diameter	mm	60	65	70	60	70	80	70	80	90		
Injection pressure	MPa	194	166	143	246	181	138	241	185	146		
Screw L:D ratio		22:1										
Max.injection speed ①	mm/s	170/340		130/270		100/200						
Max.injection speed with accumulator	mm/s	500		500		500						
Nozzle stroke	mm	450										
Screw stroke	mm	270		315		355						
Screw speed(stepless)	r/min	0-300										
<b>CLAMPING UNIT</b>												
Clamping force	kN	5500										
Opening stroke	mm	850										
Space between bars	mm x mm	920*920										
Max. Daylight	mm	1700										
Mold thickness(Min.Max)	mm	350-850										
Hydraulic ejection stroke	mm	220										
Ejector number		13										
Hydraulic ejector force	kN	137										
<b>POWER UNIT</b>												
Hydraulic system pressure	MPa	17.5										
Pump motor ①	kW	55/63+63										
Pump motor with accumulator	kW	63+20		63+30		63+30						
Electric screw drive	kW	29		42		60						
Heating capacity	kW	22.6	24	27	30	32	35	30	32	35		
Number of temp control zones		5										
<b>GENERAL UNIT</b>												
Dry cycle time	s	4										
Oil tank capacity	L	950										
Machine dimensions(LxWxH)	m x m x m	8.9*2.3*2.45										
Machine weight	Ton	25.5										

① : Servo/Standard Servo

PAC550 Layout drawings



PAC550 Platen Dimension Drawings





# Standard and Optional Features of PAC

Injection Unit	Standard	Optional
Nitrided alloy-steel screw and barrel	●	
Nozzle PID temperature control	●	
Double-cylinder	●	
Automatic material cleaning function	●	
Selectable suck-back before or after plasticizing	●	
Multi-stage barrel PID temperature control	●	
Purge guard (with safety switch)	●	
Precise transducer for injection / plasticizing stroke control	●	
Multi-stage injection speed / pressure /position control	●	
Multi-stage holding pressure speed / pressure / time control	●	
Multi-stage plasticizing speed / pressure / time control	●	
Extended nozzle		○
Hard chrome plated screw component		○
Bi-metallic screw & barrel		○
Special screw set		○
Proportional back pressure control		○
Blowing device of barrel		○
Pneumatic/Hydraulic shut-off nozzle		○
Increased injection stroke		○

Hydraulic System	Standard	Optional
High-performance servo pump system	●	
Back pressure adjustment device of plasticizing	●	
High-precision by-pass oil filter	●	
Automatic system pressure and flow adjustment	●	
Imported hydraulic valve	●	
Imported hydraulic seal	●	
Oil temperature detection and alarm	●	
Low-noise hydraulic system	●	
Hydraulic cooling device	●	
Hydraulic core pulling/ unscrewing device		○
Independent oil temperature control system		○
High-response servo injection system		○
High-response servo mold opening and closing system		○
Ejecting during mold opening		○
Enlarged oil cooler		○
Larger oil pump and motor		○
Accumulator injection		○
Multiple sets of core puller		○
Proportional back pressure control		○

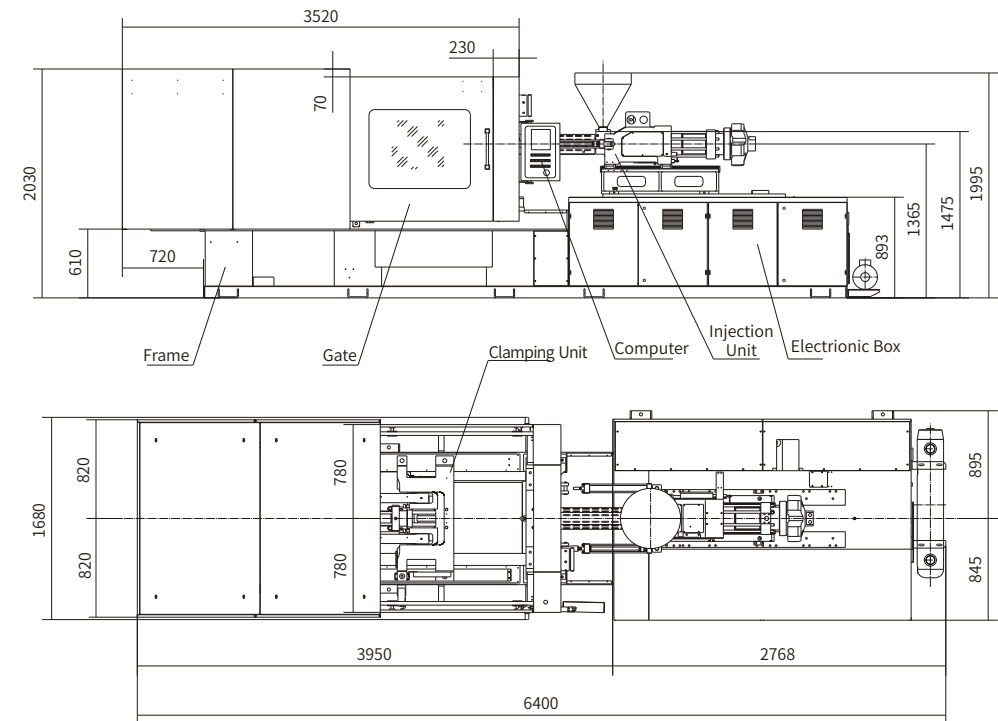
Clamping Unit	Standard	Optional
Precise transducer for clamping / ejector stroke control	●	
Clamping platens / toggles made of highly-rigid ductile iron	●	
Two-stage ejector forward or back control	●	
Low-pressure mold protection	●	
Multiple ejector function settings	●	
Hydraulic gear-type mold height adjustment device	●	
Hydraulic/electrical safety devices	●	
Wear-resistant supporting tracks for movable platen	●	
Automatic centralized lubrication system	●	
Differential fast mold closing device	●	
Increased mold thickness		○
Increased ejector stroke		○
Mechanical position limit device of mold-open		○
Heat insulating plate for mold		○
Special mold mounting hole		○
Moving platen with linear guide rail		○
Electrical control System	Standard	Optional
Input/output inspection	●	
Automatic heat retaining and automatic heating setting	●	
Time / position / pressure controlled switchover from injection to holding	●	
Independent adjustment of slope	●	
Robot interface	●	
Molding data locking function	●	
Automatic clamping force adjustment	●	
LCD display screen	●	
Large memory for process parameters storage	●	
Multiple operating languages	●	
5 sets (8 sets) of independent air blowing with valve	●	
Working light/ single or multi color alarm light		○
Single-phase / three-phase power socket		○
Air blow device		○
Interface for electric unscrewing device		○
Special power supply voltage		○
Electrial unscrewing unit		○
Hot runner interface		○
Machine overall energy consumption display		○
Infrared / ceramic heater band		○
Electrial dozing motor		○
Other	Standard	Optional
Operation manual	●	
Adjustable leveling pad	●	
A tool kit	●	
Filter element	●	
Standard hopper	●	
Mold temperature controller		○
Auto loader		○
Dehumidifier		○
Glass-tube water flowmeter		○
Dryer		○

# PAC250K High-speed Injection Molding Machine

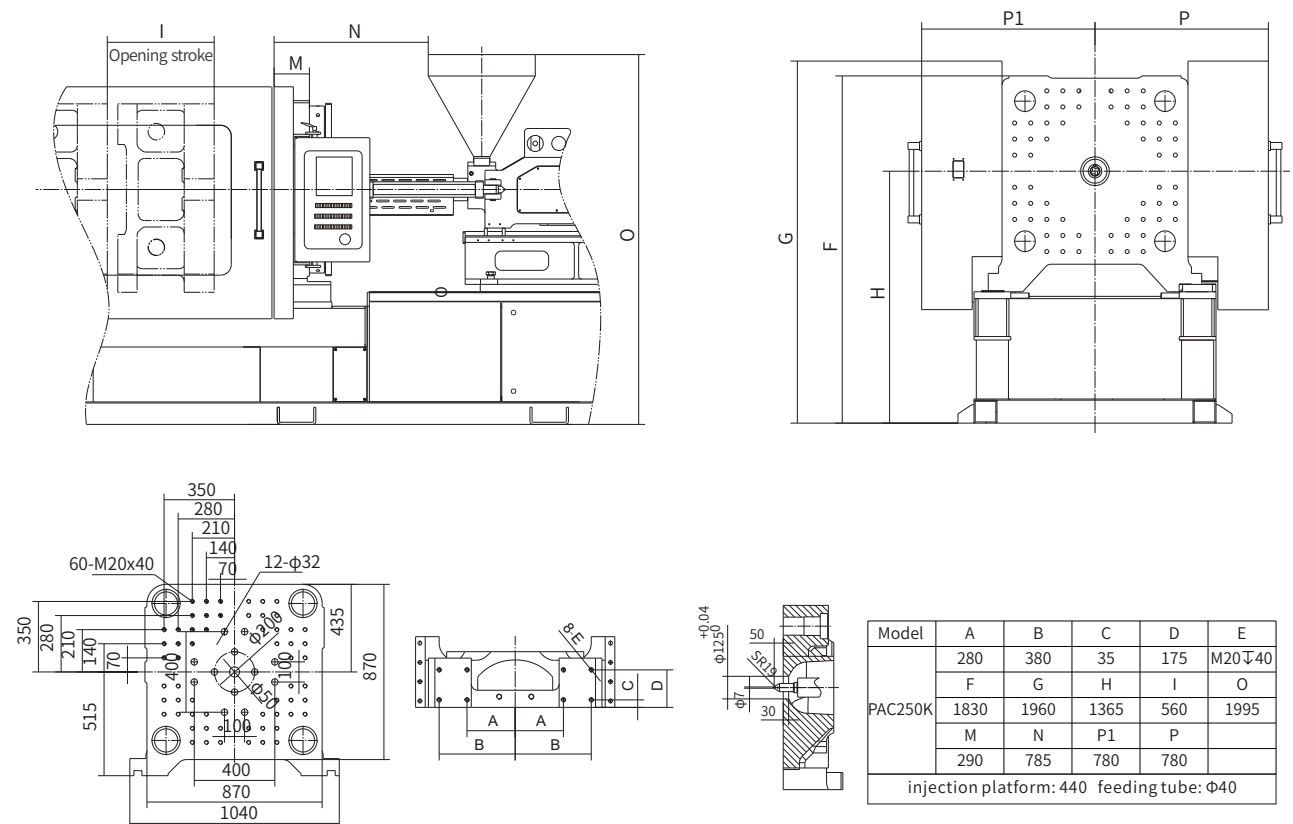
DESCRIPTION	UNIT	PAC250K								
International specification		440/2500	640/2500	840/2500						
<b>INJECTION UNIT</b>										
Shot volume	cm <sup>3</sup>	221	280	334	412	442	535	636		
Shot weight	g	203	258	307	379	406	492	585		
	oz	7.2	9.1	10.8	13.4	14.3	17.3	20.6		
Screw diameter	mm	40	45	45	50	50	55	60		
Injection pressure	MPa	199	158	194	158	191	158	132		
Screw L:D ratio		22:1								
Max.injection speed ①	mm/s	195/290	150/235	125/195						
Max.injection speed with accumulator	mm/s	500	500	500						
Nozzle stroke	mm	400							450	
Screw stroke	mm	176	210	225						
Screw speed(stepless)	r/min	0-300								
<b>CLAMPING UNIT</b>										
Clamping force	kN	2500								
Opening stroke	mm	560								
Space between bars	mm x mm	580*580								
Max. Daylight	mm	1160								
Mold thickness(Min.Max)	mm	220-600								
Hydraulic ejection stroke	mm	180								
Ejector number		5								
Hydraulic ejector force	kN	137								
<b>POWER UNIT</b>										
Hydraulic system pressure	MPa	17.5								
Pump motor ①	kW	33.9/55								
Pump motor with accumulator	kW	45.2+11	45.2+22	45.2+22						
Electric screw drive	kW	16.4							20	
Heating capacity	kW	11	11	16.5	16.5	22	24.8			
Number of temp control zones		5								
<b>GENERAL UNIT</b>										
Dry cycle time	s	2.2								
Oil tank capacity	L	650								
Machine dimensions(LxWxH)	m x m x m	6.4*1.91*2.1								
Machine weight	Ton	10.75								

① : Servo/Standard Servo

PAC250K Layout drawings



PAC250K Platen Dimension Drawings

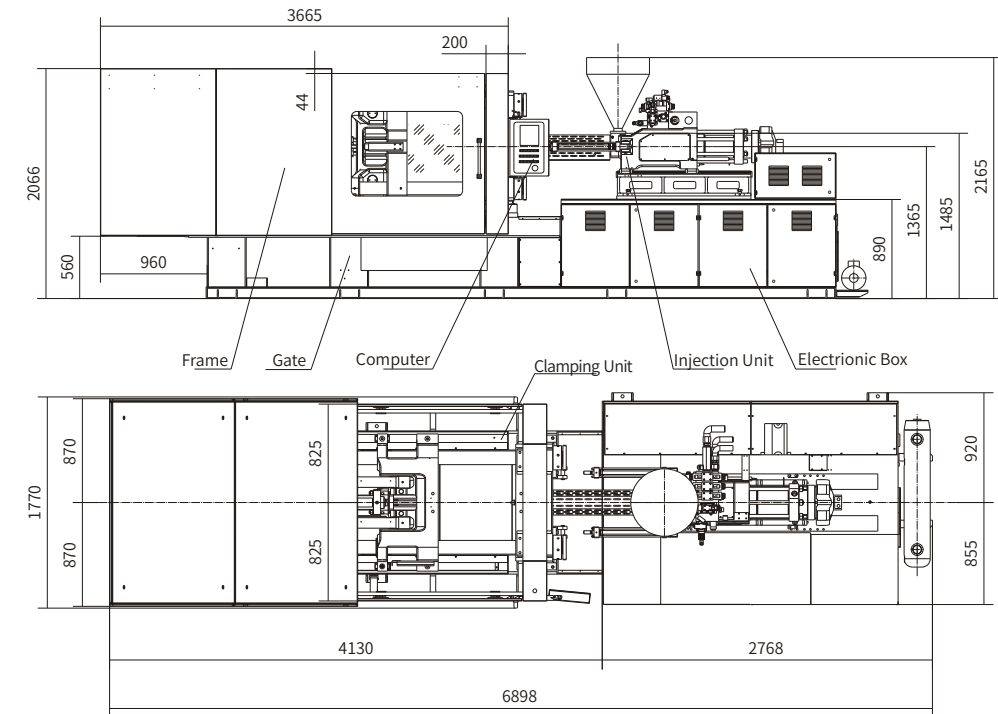


# PAC350K High-speed Injection Molding Machine

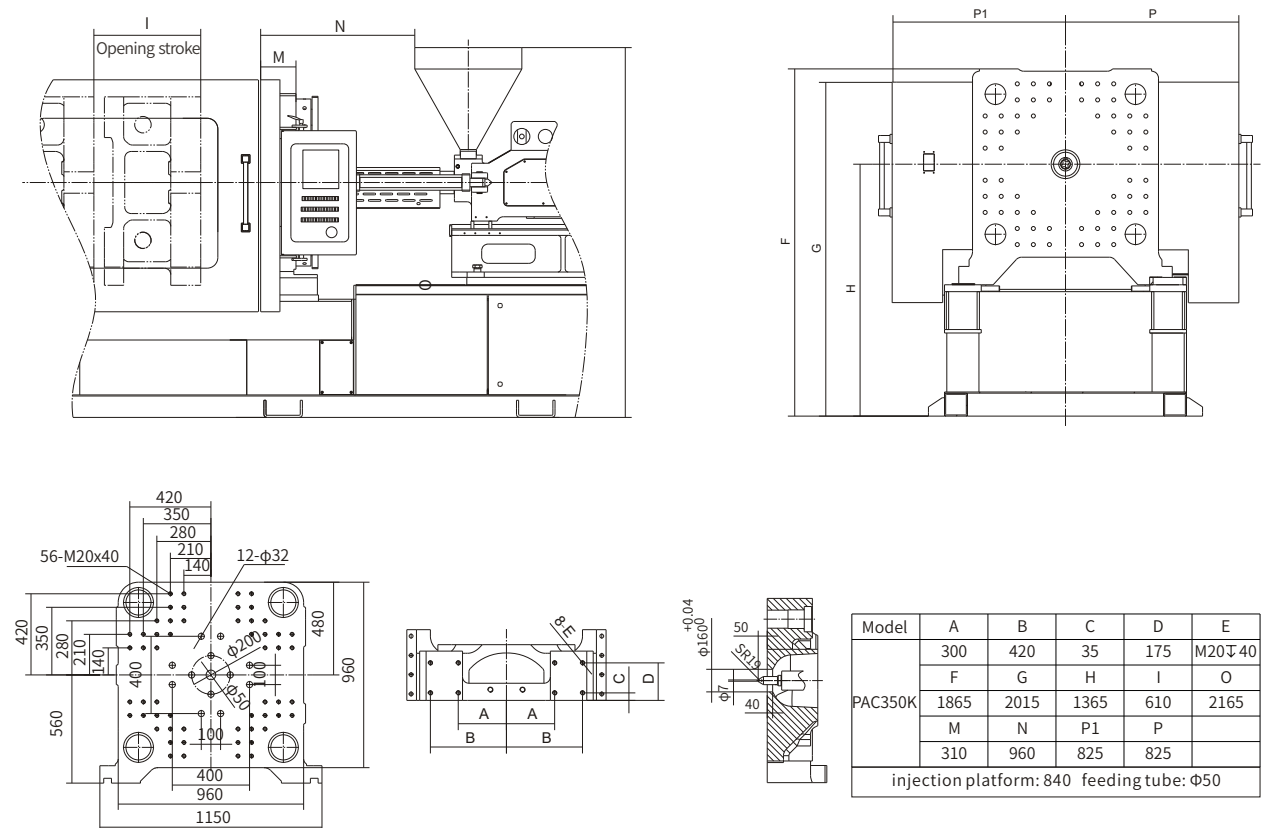
DESCRIPTION	UNIT	PAC350K									
International specification		840/3500	1080/3500	1480/3500							
<b>INJECTION UNIT</b>											
Shot volume	cm <sup>3</sup>	442	535	636	491	594	707	763	896	1039	
Shot weight	g	406	492	585	452	546	650	702	824	956	
	oz	14.3	17.3	20.6	15.9	19.3	22.9	24.8	29.1	33.7	
Screw diameter	mm	50	55	60	50	55	60	60	65	70	
Injection pressure	MPa	191	158	132	227	187	157	194	166	143	
Screw L:D ratio		22:1									
Max.injection speed ①	mm/s	195/320/390	160/270/325	130/220/265							
Max.injection speed with accumulator	mm/s	500	500	500							
Nozzle stroke	mm	450									
Screw stroke	mm	225	250	270							
Screw speed(stepless)	r/min	0-300									
<b>CLAMPING UNIT</b>											
Clamping force	kN	3500									
Opening stroke	mm	610									
Space between bars	mm x mm	630*630									
Max. Daylight	mm	1260									
Mold thickness(Min.Max)	mm	250-650									
Hydraulic ejection stroke	mm	180									
Ejector number		5									
Hydraulic ejector force	kN	137									
<b>POWER UNIT</b>											
Hydraulic system pressure	MPa	17.5									
Pump motor ①	kW	55/55+33.9/55+55									
Pump motor with accumulator	kW	55+22	55+22								
Electric screw drive	kW	20	29	29							
Heating capacity	kW	16.5	22	24.8	16.5	22	24.8	22.6	24	27	
Number of temp control zones		5									
<b>GENERAL UNIT</b>											
Dry cycle time	s	2.4									
Oil tank capacity	L	650									
Machine dimensions(LxWxH)	m x m x m	6.9*2.05*2.2									
Machine weight	Ton	13.31									

① : Servo/Standard Servo/Amplified Servo

PAC350K Layout drawings



PAC350K Platen Dimension Drawings



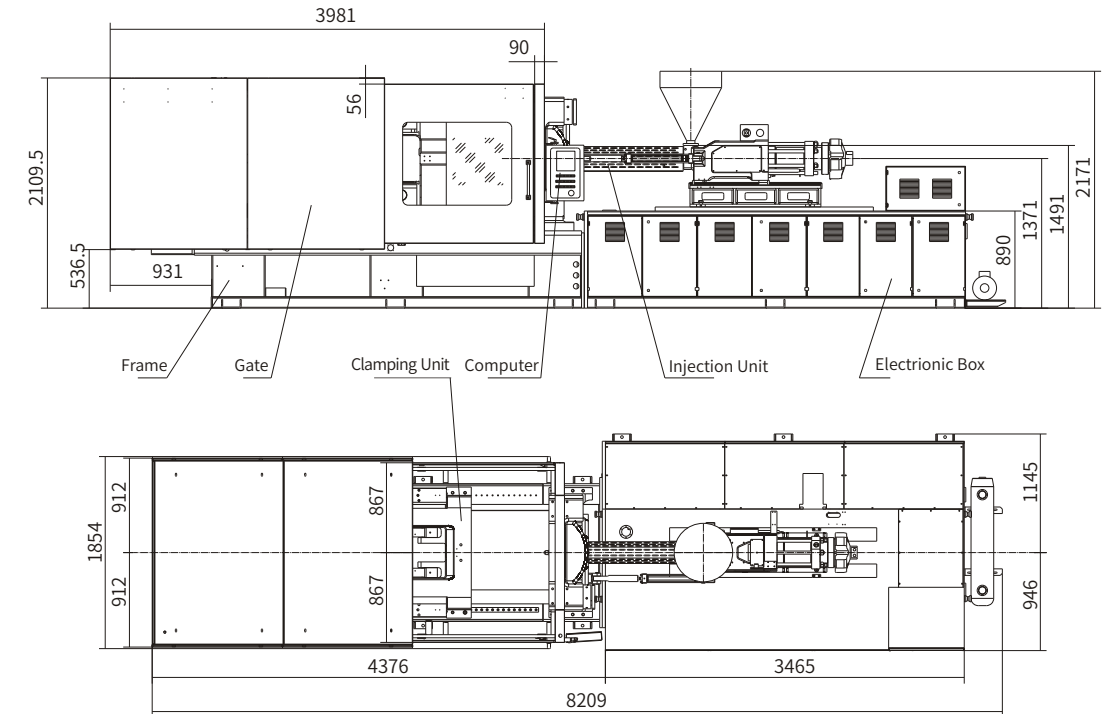


# PAC450K High-speed Injection Molding Machine

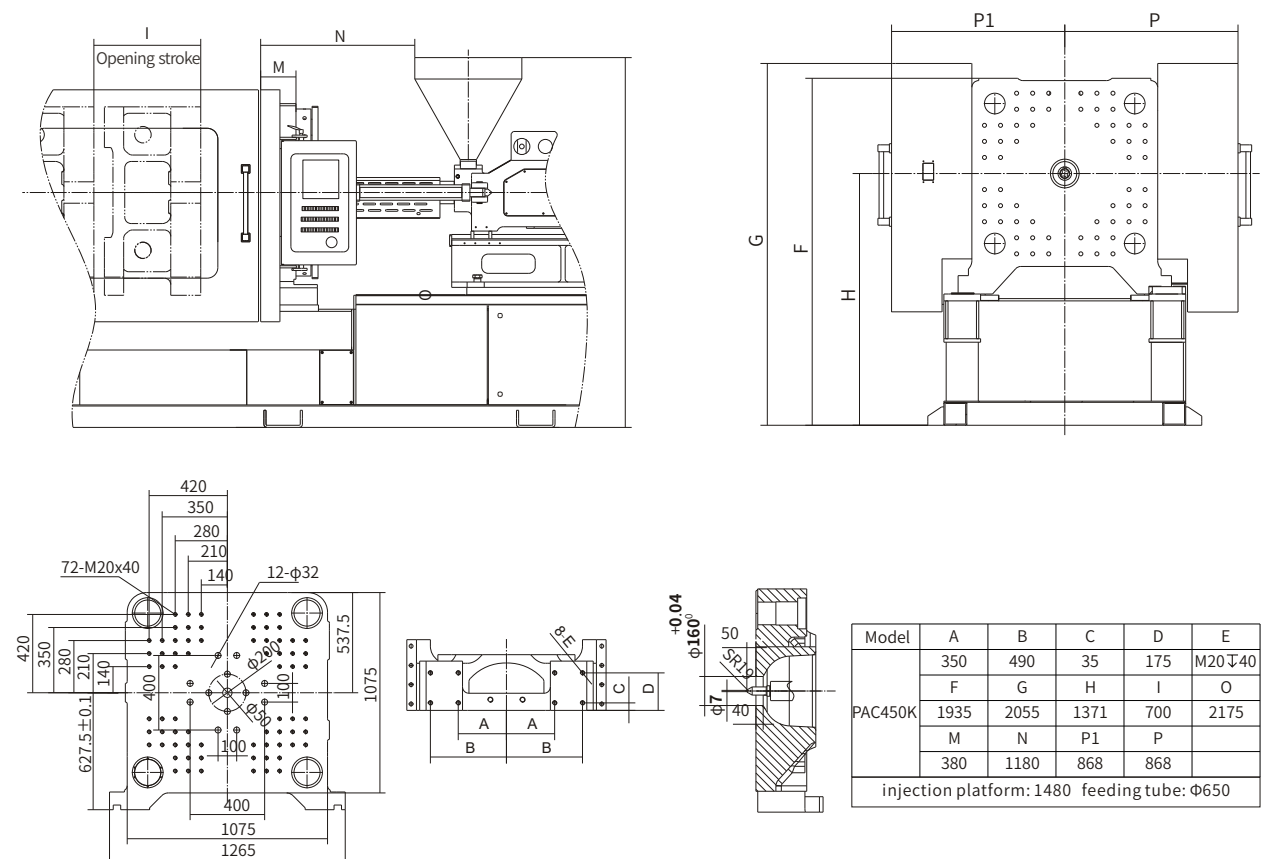
DESCRIPTION	UNIT	PAC450K									
International specification		840/4500	1480/4500	2180/4500							
<b>INJECTION UNIT</b>											
Shot volume	cm <sup>3</sup>	442	535	636	763	896	1039	891	1212	1583	
Shot weight	g	406	492	585	702	824	956	819	1115	1457	
	oz	14.3	17.3	20.6	24.8	29.1	33.7	28.9	39.3	51.4	
Screw diameter	mm	50	55	60	60	65	70	60	70	80	
Injection pressure	MPa	191	158	132	194	166	143	246	181	138	
Screw L:D ratio		26:1			22:1						
Max.injection speed ①	mm/s	310/390/585			210/325/400			170/265/315			
Max.injection speed with accumulator	mm/s				500			500			
Nozzle stroke	mm				450						
Screw stroke	mm	225			270			315			
Screw speed(stepless)	r/min				0-300						
<b>CLAMPING UNIT</b>											
Clamping force	kN				4500						
Opening stroke	mm				700						
Space between bars	mm x mm				720*720						
Max. Daylight	mm				1450						
Mold thickness(Min.Max)	mm				370-750						
Hydraulic ejection stroke	mm				200						
Ejector number					5						
Hydraulic ejector force	kN				137						
<b>POWER UNIT</b>											
Hydraulic system pressure	MPa				17.5						
Pump motor ①	kW				45.2+45.2/55+55/55+55+55						
Pump motor with accumulator	kW				55+55+22			55+55+30			
Electric screw drive	kW	20			29			42			
Heating capacity	kW	16.5	22	24.8	22.6	24	27	30	32	35	
Number of temp control zones					5						
<b>GENERAL UNIT</b>											
Dry cycle time	s				2.9						
Oil tank capacity	L				950						
Machine dimensions(LxWxH)	m x m x m				8.2*2.1*2.3						
Machine weight	Ton				19						

① : Servo/Standard Servo/Amplified Servo

PAC450K Layout drawings



PAC450K Platen Dimension Drawings



# Standard and Optional Features of PAC-K

Injection Unit	Standard	Optional
Nitrided alloy-steel screw and barrel	●	
Nozzle PID temperature contro	●	
Double-cylinder	●	
Automatic material cleaning function	●	
Selectable suck-back before or after plasticizing	●	
Multi-stage barrelPID temperature control	●	
Purge guard (with safety switch)	●	
Precise transducer for injection / plasticizing stroke control	●	
Multi-stage injection speed / pressure /position control	●	
Multi-stage holding pressure speed / pressure / time control	●	
Multi-stage plasticizing speed / pressure / time control	●	
Extended nozzle		○
Hard chrome plated screw component		○
Bi-metallic screw & barrel		○
Special screw set		○
Proportional back pressure control		○
Blowing device of barrel		○
Pneumatic/Hydraulic shut-off nozzle		○
Increased injection stroke		○

Hydraulic System	Standard	Optional
High-performance servo pump system	●	
Back pressure adjustment device of plasticizing	●	
High-precision by-pass oil filter	●	
Automatic system pressure and flow adjustment	●	
Imported hydraulic valve	●	
Imported hydraulic seal	●	
Oil temperature detection and alarm	●	
Low-noise hydraulic system	●	
Hydraulic cooling device	●	
Hydraulic core pulling/ unscrewing device		○
Independent oil temperature control system		○
High-response servo injection system		○
High-response servo mold opening and closing system		○
Ejecting during mold opening		○
Enlarged oil cooler		○
Larger oil pump and motor		○
Accumulator injection		○
Multiple sets of core puller		○
Proportional back pressure control		○

Clamping Unit	Standard	Optional
Precise transducer for clamping / ejector stroke control	●	
Clamping platens / toggles made of highly-rigid ductile iron	●	
Two-stage ejector forward or back control	●	
Low-pressure mold protection	●	
Multiple ejector function settings	●	
Hydraulic gear-type mold height adjustment device	●	
Hydraulic/electrical safety devices	●	
Wear-resistant supporting tracks for movable platen	●	
Automatic centralized lubrication system	●	
Differential fast mold closing device	●	
Increased mold thickness		○
Increased ejector stroke		○
Mechanical position limit device of mold-open		○
Heat insulating plate for mold		○
Special mold mounting hole		○
Moving platen with linear guide rail (Standard for PAC450K)		○

Electrical control System	Standard	Optional
Input/output inspection	●	
Automatic heat retaining and automatic heating setting	●	
Time / position / pressure controlled switchover from injection to holding	●	
Independent adjustment of slope	●	
Robot interface	●	
Molding data locking function	●	
Automatic clamping force adjustment	●	
LCD display screen	●	
Large memory for process parameters storage	●	
Multiple operating languages	●	
5 sets (10 sets) of independent air blowing with valve	●	
Working light/ single or multi color alarm light		○
Single-phase / three-phase power socket		○
Air blow device		○
Interface for electric unscrewing device		○
Special power supply voltage		○
Electrial unscrewing unit		○
Hot runner interface		○
Machine overall energy consumption display		○
Infrared / ceramic heater band		○
Electrial dozing motor (Standard for PAC450K)		○

Other	Standard	Optional
Operation manual	●	
Adjustable leveling pad	●	
A tool kit	●	
Filter element	●	
Standard hopper	●	
Mold temperature controller		○
Auto loader		○
Dehumidifier		○
Glass-tube water flowmeter		○
Dryer		○