

WE WALK ALONGSIDE THE WORLD

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YIZUMI 伊之密

PAC&PAC-K3

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

GUANGDONG YIZUMI HIGH SPEED PACKAGING SYSTEM CO., LTD.

Address: No. 9, Shunchang Road, Daliang Wusha Industrial Park, Shunde District, Foshan City
TEL: 86-757 2921 9001 Email: imm@yizumi.com www.yizumi.com

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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

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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

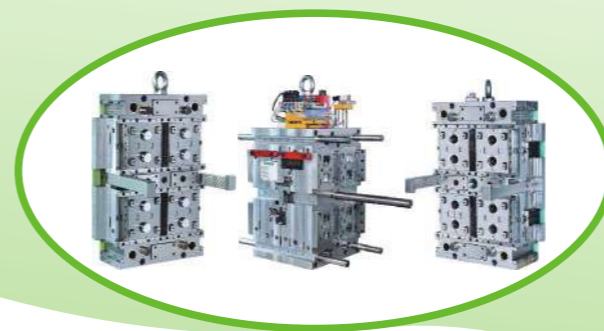
The professionals from Yizumi will provide customers with capacity assessment, equipment and production line integration, manufacturing facility planning and other total solutions.

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

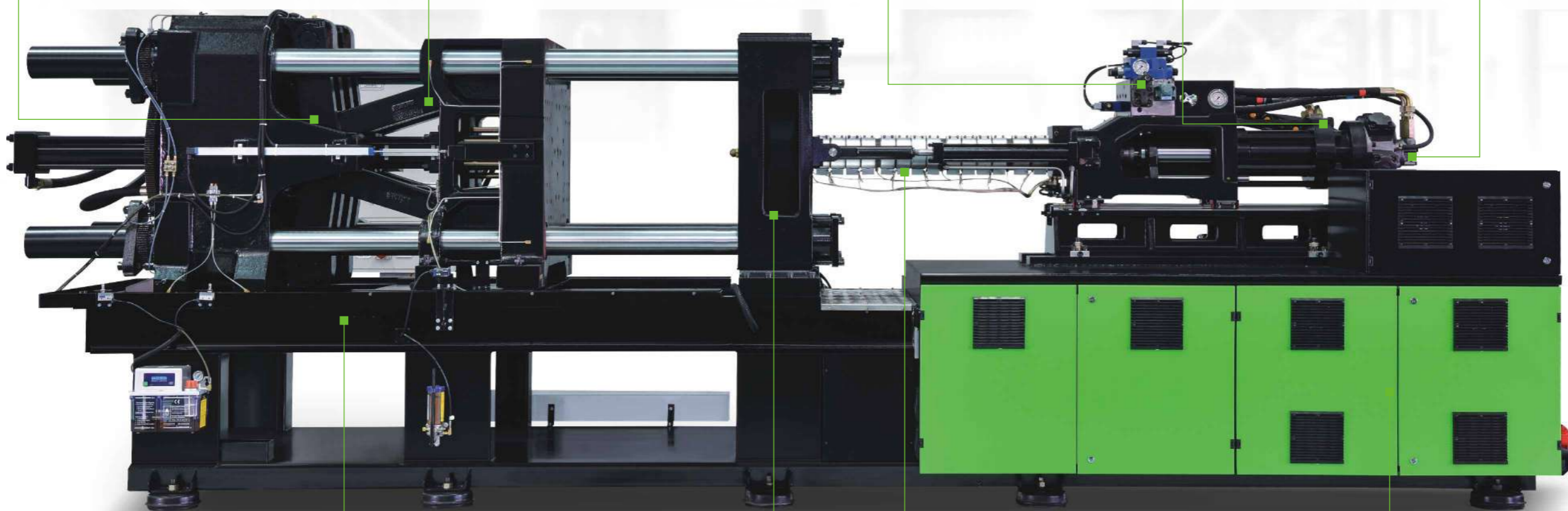
Selecting the high-quality hydraulic components to reduce response time, oil circuit impact, and overall machine noise. Machine will go through a number of tests and optimizing adjustments to meet the high quality requirements.

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.

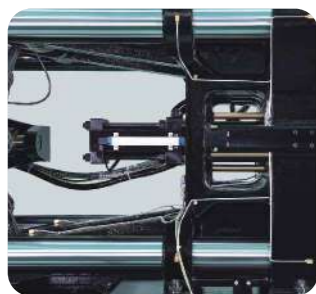
Horizontal Dual-carriage Design

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.

Customized Option 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.



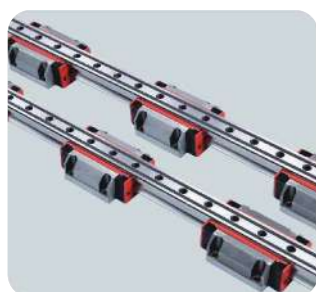
High-speed Mold Opening /Closing Proportional Valve

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

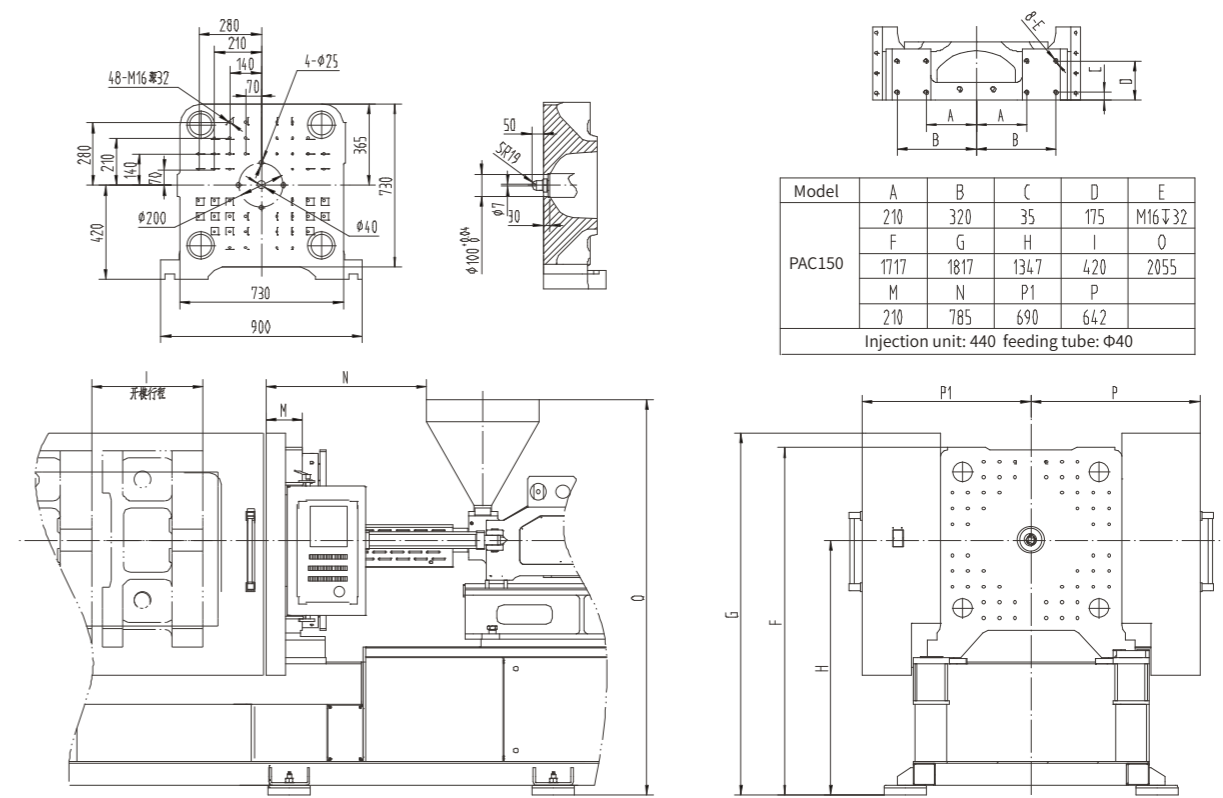
Strives to Be the Most Cost-effective Solution Provider in Packaging Industry

PAC150 High-speed Injection Molding Machine

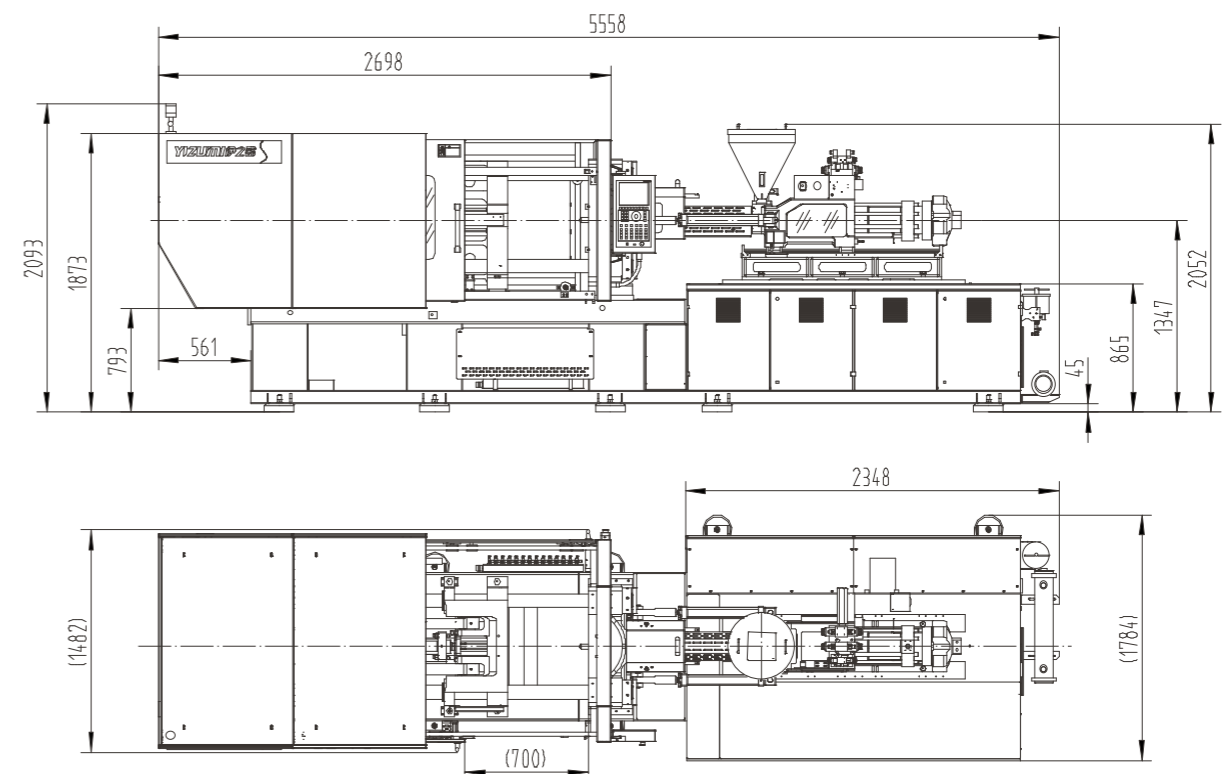
DESCRIPTION	UNIT	PAC150			
International specification		440/1500		640/1500	
INJECTION UNIT					
Shot volume	cm ³	221	280	334	412
Shot weight (PS)	g	203	258	307	379
	oz	7.2	9.1	10.8	13.4
Screw diameter	mm	40	45	45	50
Injection pressure	MPa	199	158	194	158
Screw L:D ratio		22:1			
Max.injection speed ①	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			
CLAMPING UNIT					
Clamping force	kN	1500			
Opening stroke	mm	420			
Space between bars (WxH)	mmxmm	455x455			
Max. Daylight	mm	870			
mold thickness(Min.-Max)	mm	150-450			
Hydraulic ejection stroke	mm	140			
Ejector number		5			
Hydraulic ejection force	kN	77			
POWER UNIT					
Hydraulic system pressure	Mpa	17.5			
Pump motor	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			
GENERAL UNIT					
Dry cycle time	s	1.8			
Oil tank capacity	l	370			
Machine dimensions(LxWxH)	mxmxm	5.6x1.8x2.1			
Machine weight	Ton	7.8			

① : Servo/Standard Servo/Amplified Servo

PAC150 Platen Dimension Drawings



PAC150 Layout drawings

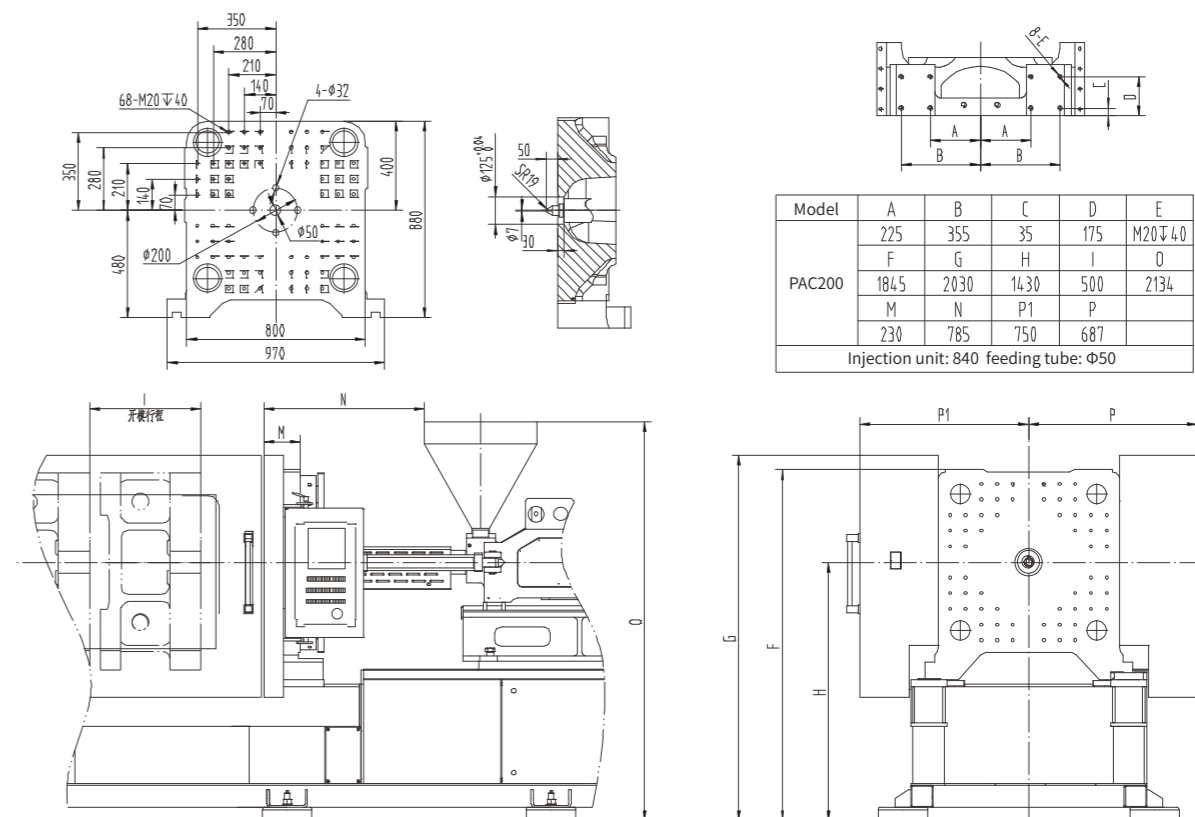


PAC200 High-speed Injection Molding Machine

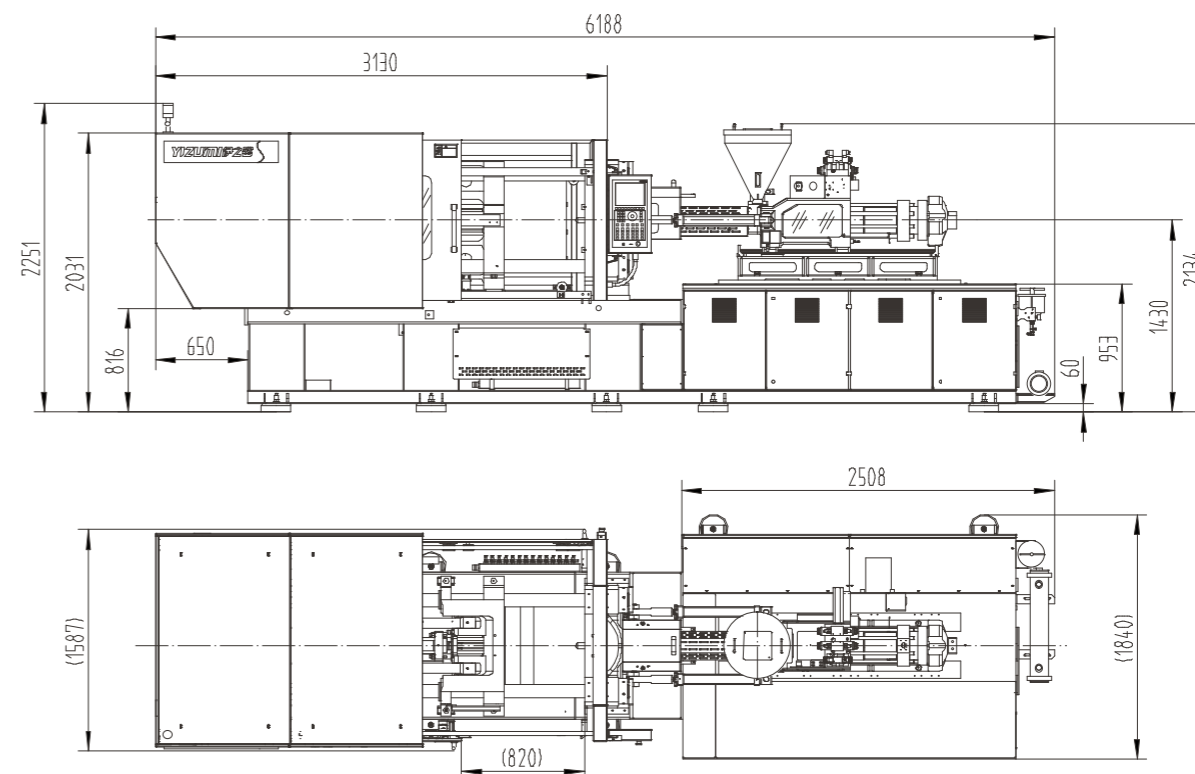
DESCRIPTION	UNIT	PAC200			
International specification		440/2000		640/2000	
INJECTION UNIT					
Shot volume	cm ³	221	280	334	412
Shot weight (PS)	g	203	258	307	379
	oz	7.2	9.1	10.8	13.4
Screw diameter	mm	40	45	45	50
Injection pressure	MPa	199	158	194	158
Screw L:D ratio		22:1			
Max.injection speed ①	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			
CLAMPING UNIT					
Clamping force	kN	2000			
Opening stroke	mm	500			
Space between bars (WxH)	mmxmm	520x520			
Max. Daylight	mm	1050			
mold thickness(Min.-Max)	mm	200-550			
Hydraulic ejection stroke	mm	150			
Ejector number		5			
Hydraulic ejection force	kN	77			
POWER UNIT					
Hydraulic system pressure	Mpa	17.5			
Pump motor	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			
GENERAL UNIT					
Dry cycle time	s	2			
Oil tank capacity	l	460			
Machine dimensions(LxWxH)	mxxmm	6.2x1.85x2.25			
Machine weight	Ton	9.3			

① : Servo/Standard Servo/Amplified Servo

PAC200 Platen Dimension Drawings



PAC200 Layout drawings

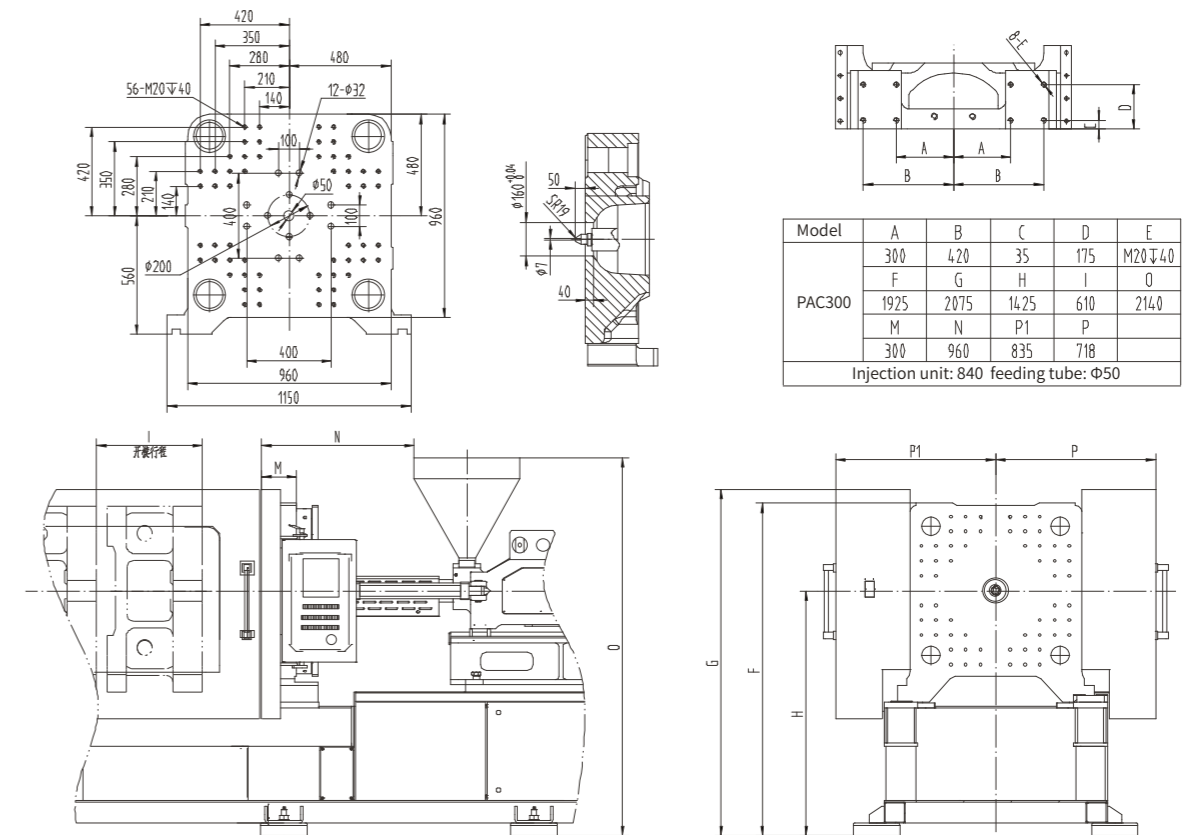


PAC300 High-speed Injection Molding Machine

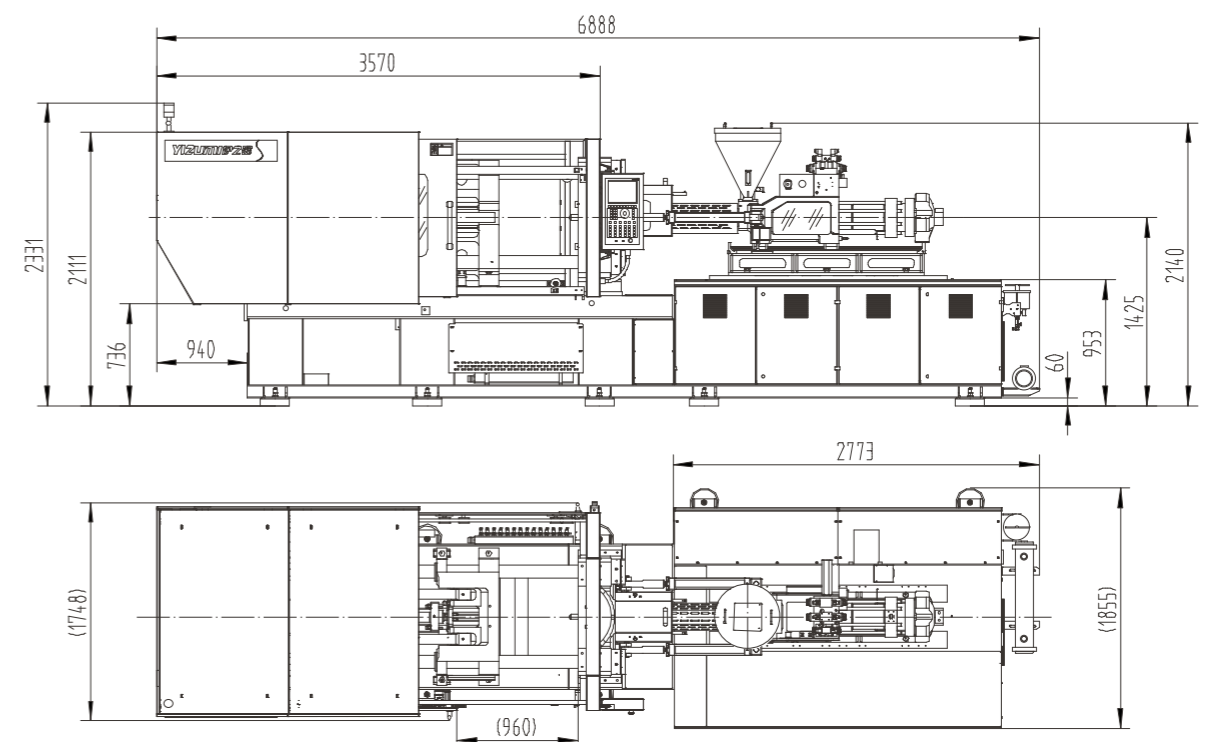
DESCRIPTION	UNIT	PAC300									
International specification		840/3000		1080/3000				1480/3000			
INJECTION UNIT											
Shot volume	cm ³	442	535	636	491	594	707	763	896	1039	
Shot weight (PS)	g	406	492	585	452	546	650	702	824	956	
	oz	14.3	17.3	20.6	15.9	19.3	22.9	24.8	29.1	33.7	
Screw diameter	mm	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									
CLAMPING UNIT											
Clamping force	kN	3000									
Opening stroke	mm	610									
Space between bars (WxH)	mmxmm	635x635									
Max. Daylight	mm	1260									
mold thickness(Min.-Max)	mm	250-650									
Hydraulic ejection stroke	mm	180									
Ejector number		13									
Hydraulic ejection force	kN	137									
POWER UNIT											
Hydraulic system pressure	Mpa	17.5									
Pump motor	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									
GENERAL UNIT											
Dry cycle time	s	2.3									
Oil tank capacity	l	600									
Machine dimensions(LxWxH)	mxm	6.9x1.86x2.35									
Machine weight	Ton	12.5									

① : Servo/Standard Servo/Amplified Servo

PAC300 Platen Dimension Drawings



PAC300 Layout drawings

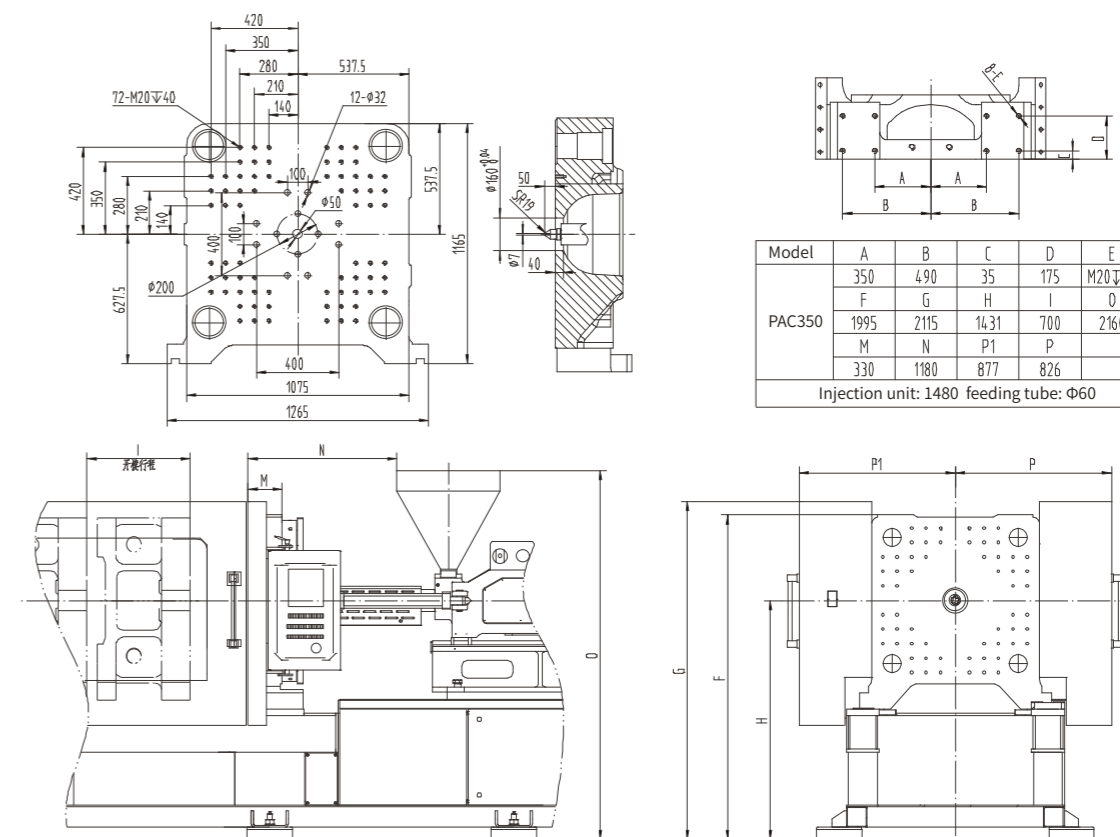


PAC350 High-speed Injection Molding Machine

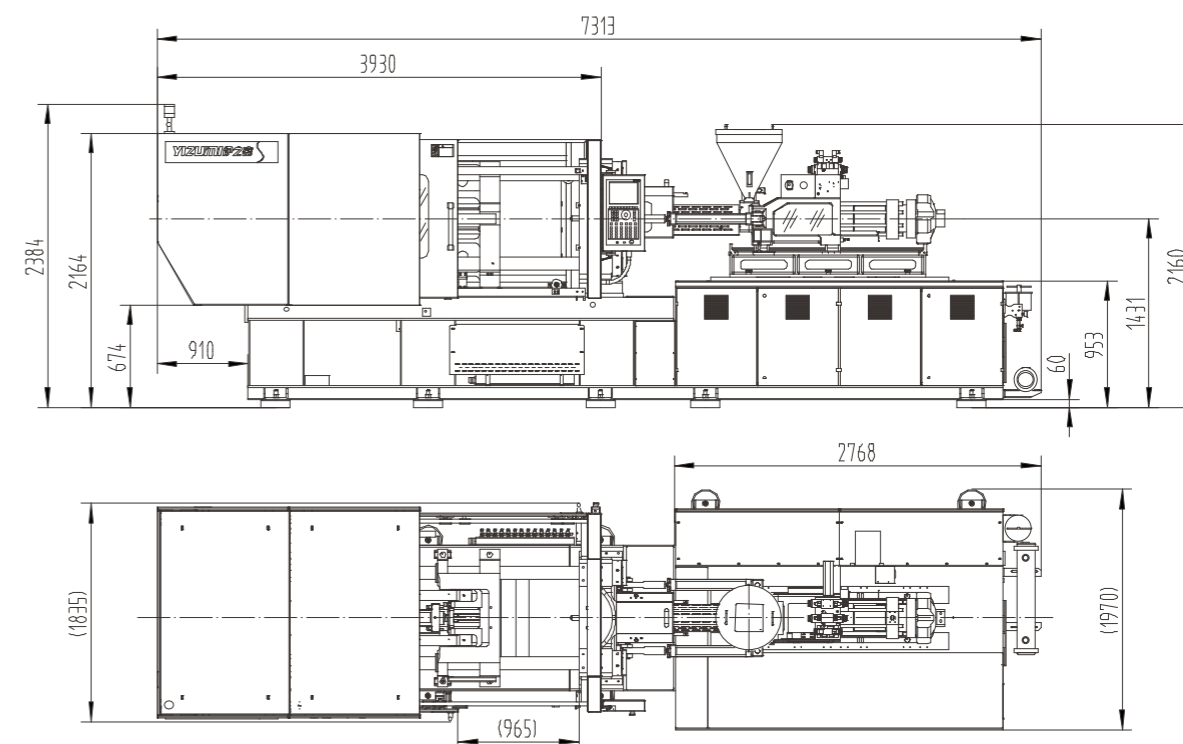
DESCRIPTION	UNIT	PAC350									
International specification		1080/3500		1480/3500				2180/3500			
INJECTION UNIT											
Shot volume	cm ³	491	594	707	763	896	1039	891	1212	1583	
Shot weight (PS)	g	452	546	650	702	824	956	819	1115	1457	
	oz	15.9	19.3	22.9	24.8	29.1	33.7	28.9	39.3	51.4	
Screw diameter	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					0-250				
CLAMPING UNIT											
Clamping force	kN	3500									
Opening stroke	mm	700									
Space between bars (WxH)	mmxmm	730x730									
Max. Daylight	mm	1450									
mold thickness(Min.-Max)	mm	300-750									
Hydraulic ejection stroke	mm	200									
Ejector number		13									
Hydraulic ejection force	kN	137									
POWER UNIT											
Hydraulic system pressure	Mpa	17.5									
Pump motor	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									
GENERAL UNIT											
Dry cycle time	s	2.6									
Oil tank capacity	l	700									
Machine dimensions(LxWxH)	mxxm	7.35x1.97x2.4									
Machine weight	Ton	15									

① : Servo/Standard Servo/Amplified Servo

PAC350 Platen Dimension Drawings



PAC350 Layout drawings

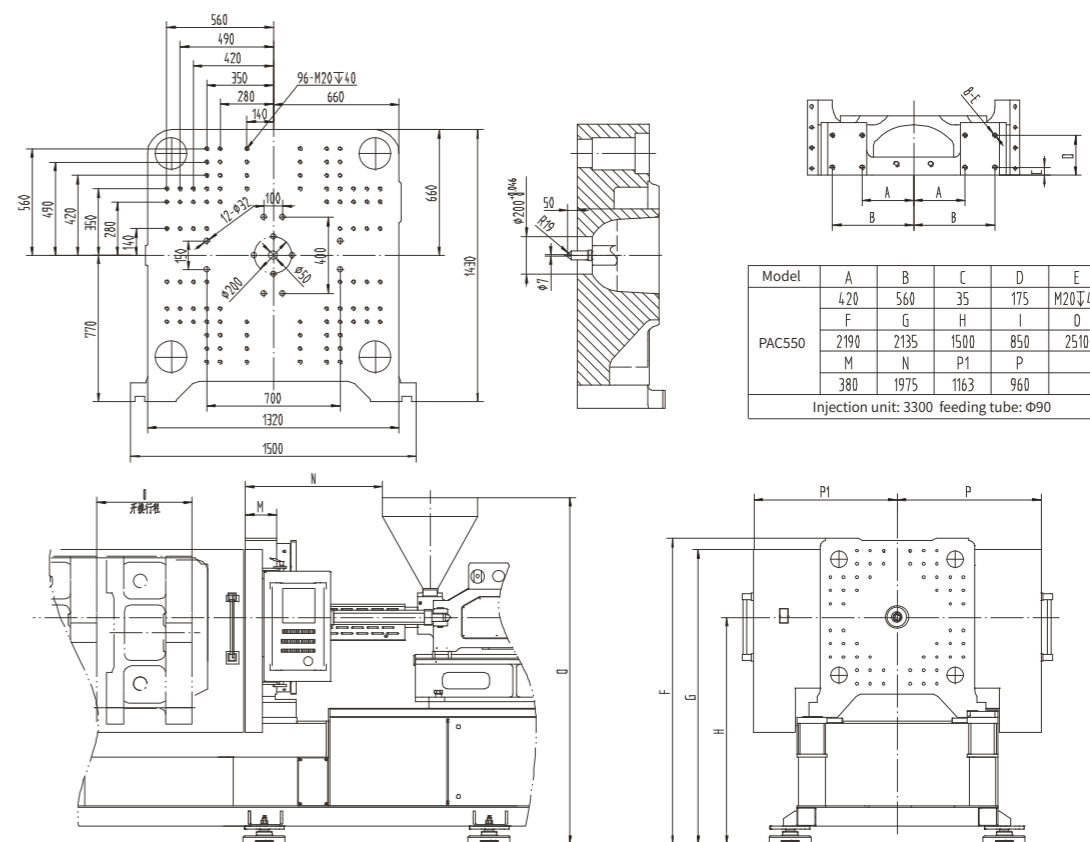


PAC550 High-speed Injection Molding Machine

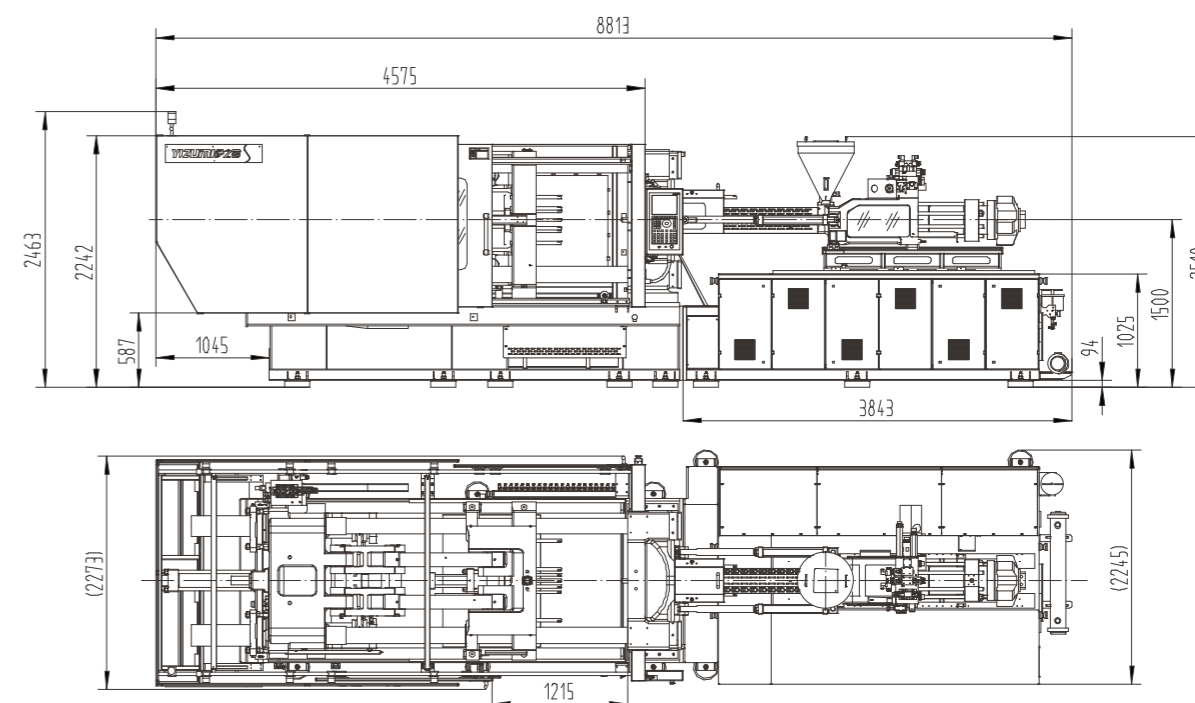
DESCRIPTION	UNIT	PAC550									
International specification		1480/5500		2180/5500				3300/5500			
INJECTION UNIT											
Shot volume	cm ³	763	896	1039	891	1212	1583	1366	1784	2258	
Shot weight (PS)	g	702	824	956	819	1115	1457	1257	1642	2078	
	oz	24.8	29.1	33.7	28.9	39.3	51.4	44.3	57.9	73.3	
Screw 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			0-250			0-220			
CLAMPING UNIT											
Clamping force	kN	5500									
Opening stroke	mm	850									
Space between bars (WxH)	mmxmm	920x920									
Max. Daylight	mm	1700									
mold thickness(Min.-Max)	mm	350-850									
Hydraulic ejection stroke	mm	220									
Ejector number		13									
Hydraulic ejection force	kN	137									
POWER UNIT											
Hydraulic system pressure	Mpa	17.5									
Pump motor	kW	63/63+63									
Pump motor with accumulator	kW	63+22			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									
GENERAL UNIT											
Dry cycle time	s	4									
Oil tank capacity	l	900									
Machine dimensions(LxWxH)	mxmxm	8.9x2.25x2.46									
Machine weight	Ton	25.5									

① : Servo/Standard Servo

PAC550 Platen Dimension Drawings



PAC550 Layout 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		○

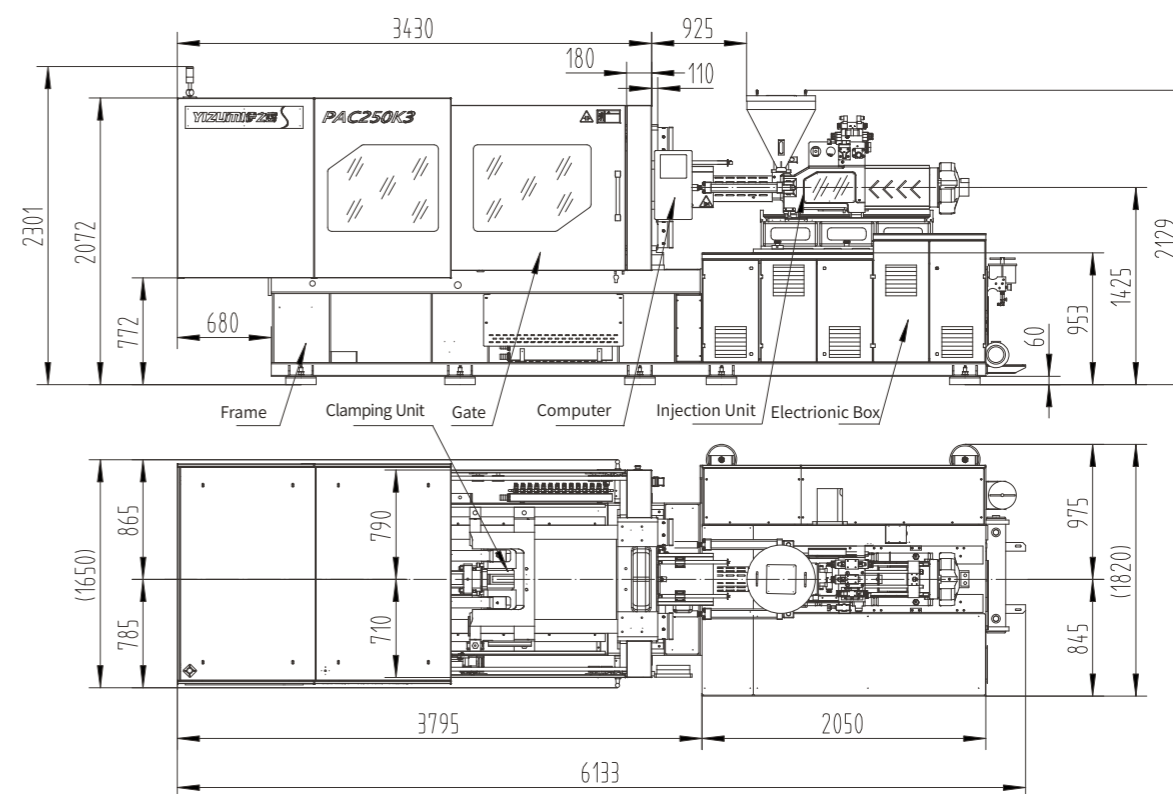
Hydraulic System	Standard	Optional
High-performance servo pump system	●	
Back pressure adjustment device of plasticizing	●	
High-precision by-pass oil filter	●	
Automatic system pressure and flow adjustment	●	
Imported hydraulic valve	●	
Imported hydraulic seal	●	
Oil temperature detection and alarm	●	
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	●	
Boost mold closing function	●	
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	●	
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		○
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		○
Plasticizing during mold opening		○
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		○

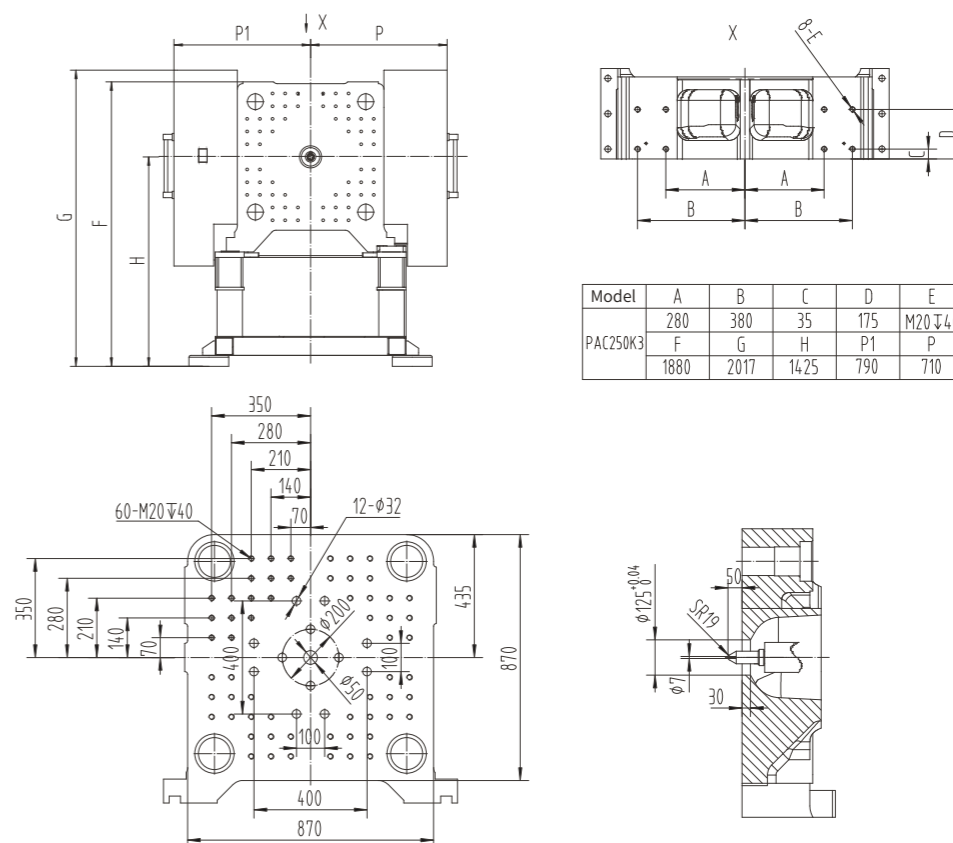
PAC250K3 High-speed Injection Molding Machine

DESCRIPTION	UNIT	PAC250K3	
International specification		440/2500	
INJECTION UNIT			
Shot volume	cm ³	221	280
Shot weight (PS)	g	203	258
	oz	7.2	9.1
Screw diameter	mm	40	45
Injection pressure	MPa	199	158
Screw L:D ratio		24:1	
Max.injection speed	mm/s	320	
Screw stroke	mm	176	
Screw speed(stepless)	r/min	0-300	
CLAMPING UNIT			
Clamping force	kN	2500	
Opening stroke	mm	560	
Space between bars (W×H)	mmxmm	580x580	
Max. Daylight	mm	1160	
mold thickness(Min.-Max)	mm	220-600	
Hydraulic ejection storke	mm	180	
Ejector number		5	
Hydraulic ejection force	kN	77	
POWER UNIT			
Hydraulic system pressure	Mpa	17.5	
Pump motor	kW	40	
Heating capacity	kW	12	14
Number of temp control zones		5	
GENERAL UNIT			
Dry cycle time	s	2.2	
Oil tank capacity	l	430	
Machine dimensions(LxWxH)	mxm	6.2x1.8x2.2	
Machine weight	Ton	10.8	

PAC250K3 Layout drawings



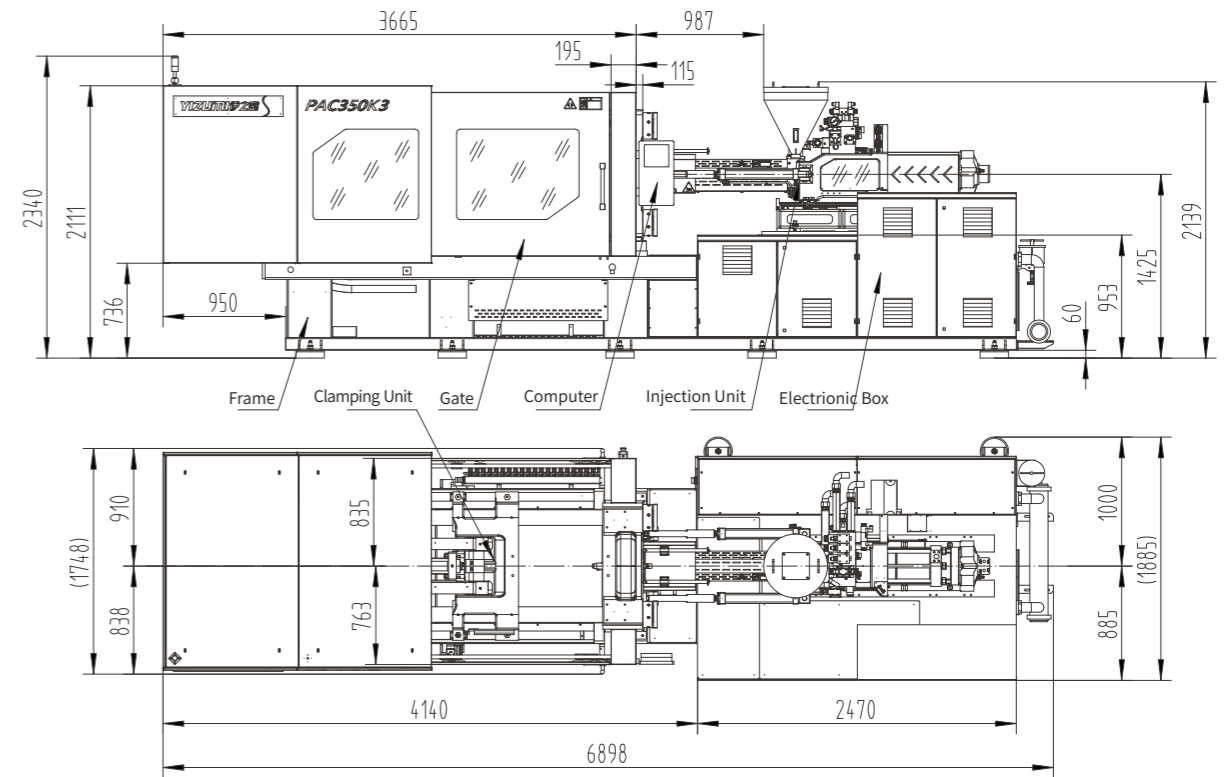
PAC250K3 Platen Dimension Drawings



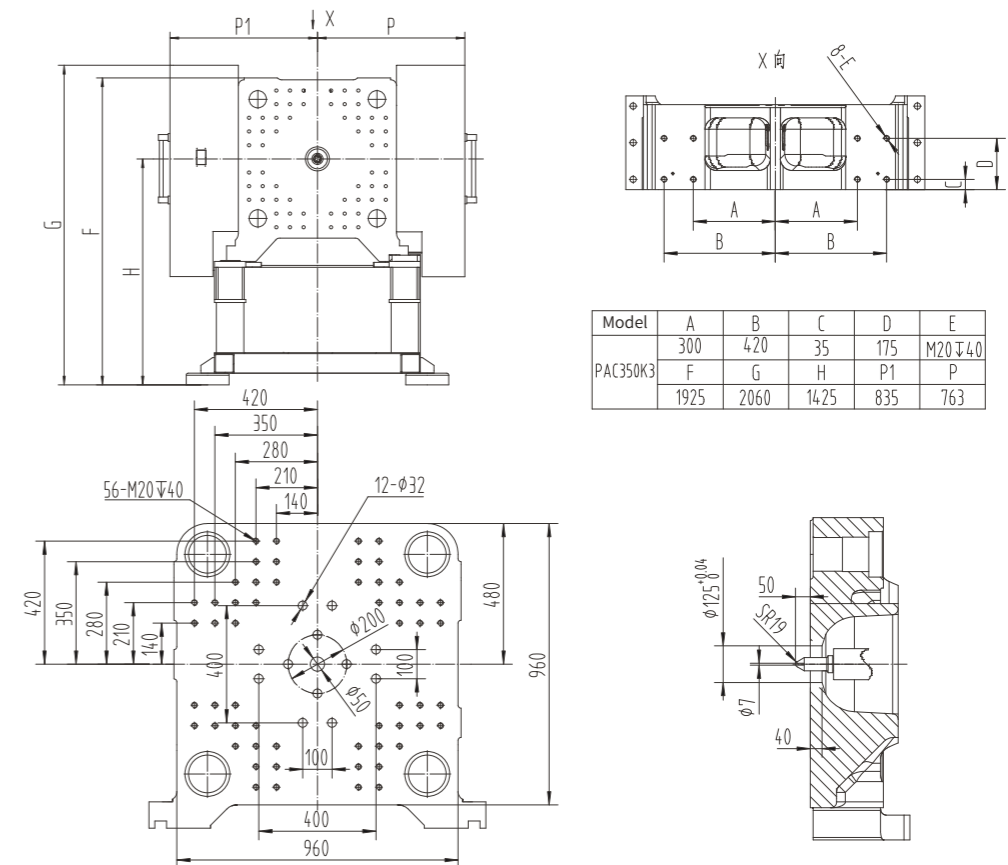
PAC350K3 High-speed Injection Molding Machine

DESCRIPTION	UNIT	PAC350K3		
International specification		915/3500		
INJECTION UNIT				
Shot volume	cm ³	442	535	636
Shot weight (PS)	g	406	492	585
	oz	14.3	17.3	20.6
Screw diameter	mm	50	55	60
Injection pressure	MPa	207	171	144
Screw L:D ratio		24:1		
Max.injection speed	mm/s	350		
Screw stroke	mm	225		
Screw speed(stepless)	r/min	0-300		
CLAMPING UNIT				
Clamping force	kN	3500		
Opening stroke	mm	610		
Space between bars (W×H)	mmxmm	630x630		
Max. Daylight	mm	1260		
mold thickness(Min.-Max)	mm	250-650		
Hydraulic ejection storke	mm	180		
Ejector number		5		
Hydraulic ejection force	kN	77		
POWER UNIT				
Hydraulic system pressure	Mpa	19		
Pump motor	kW	40+31		
Heating capacity	kW	20	24	27
Number of temp control zones		5		
GENERAL UNIT				
Dry cycle time	s	2.4		
Oil tank capacity	l	600		
Machine dimensions(LxWxH)	mxm	6.9x1.9x2.3		
Machine weight	Ton	13.3		

PAC350K3 Layout drawings



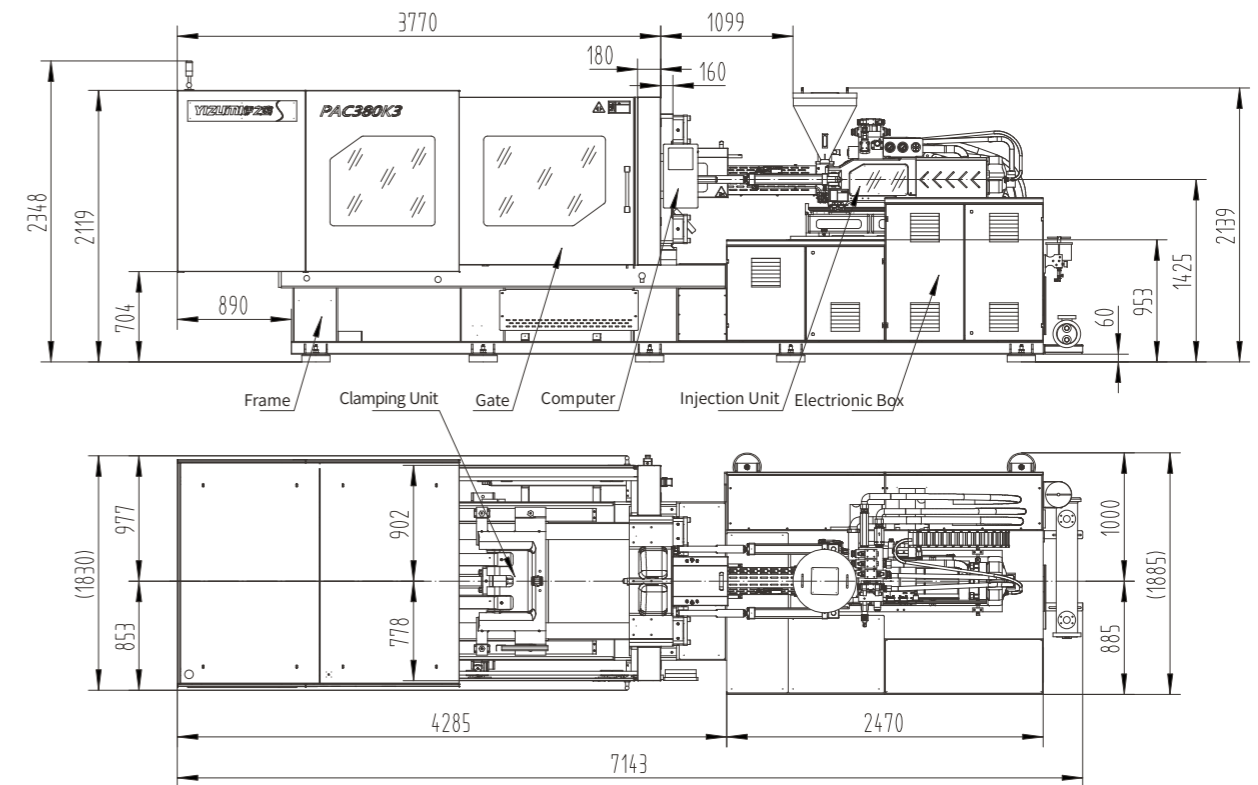
PAC350K3 Platen Dimension Drawings



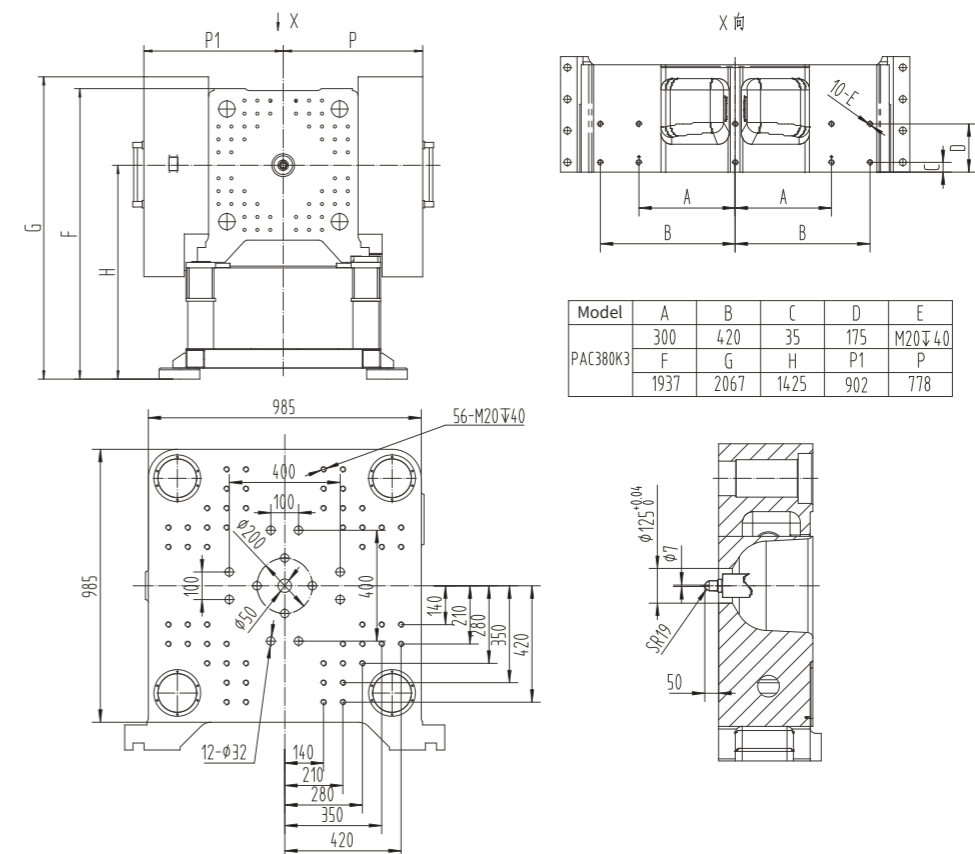
PAC380K3 High-speed Injection Molding Machine

DESCRIPTION	UNIT	PAC380K3		
International specification		915/3800		
INJECTION UNIT				
Shot volume	cm ³	442	535	636
Shot weight (PS)	g	406	492	585
	oz	14.3	17.3	20.6
Screw diameter	mm	50	55	60
Injection pressure	MPa	207	171	144
Screw L:D ratio		24:1		
Max.injection speed	mm/s	430		
Screw stroke	mm	225		
Screw speed(stepless)	r/min	0-300		
CLAMPING UNIT				
Clamping force	kN	3800		
Opening stroke	mm	640		
Space between bars (W×H)	mmxmm	650x650		
Max. Daylight	mm	1290		
mold thickness(Min.-Max)	mm	250-650		
Hydraulic ejection storke	mm	150		
Ejector number		5		
Hydraulic ejection force	kN	77		
POWER UNIT				
Hydraulic system pressure	Mpa	19		
Pump motor	kW	40+40		
Heating capacity	kW	20	24	27
Number of temp control zones		5		
GENERAL UNIT				
Dry cycle time	s	2.5		
Oil tank capacity	l	600		
Machine dimensions(LxWxH)	mxm	7.1x1.9x2.3		
Machine weight	Ton	14.3		

PAC380K3 Layout drawings



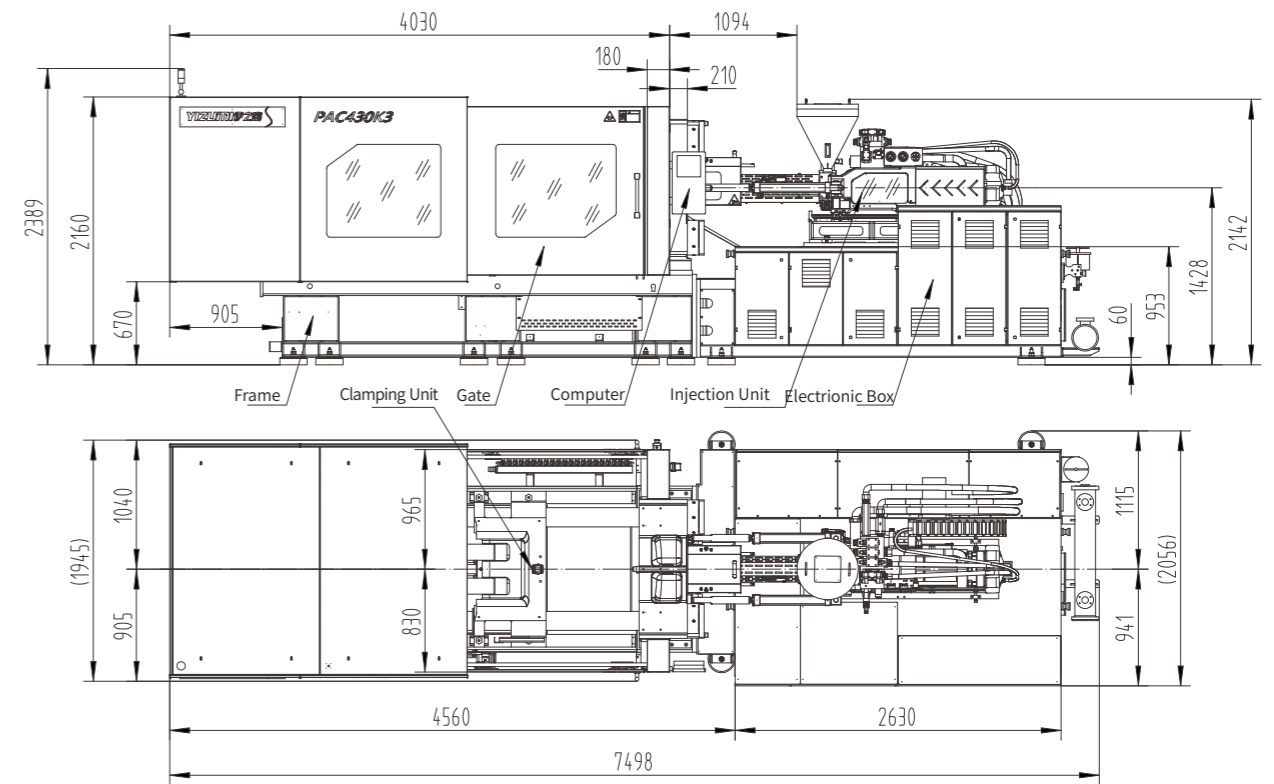
PAC380K3 Platen Dimension Drawings



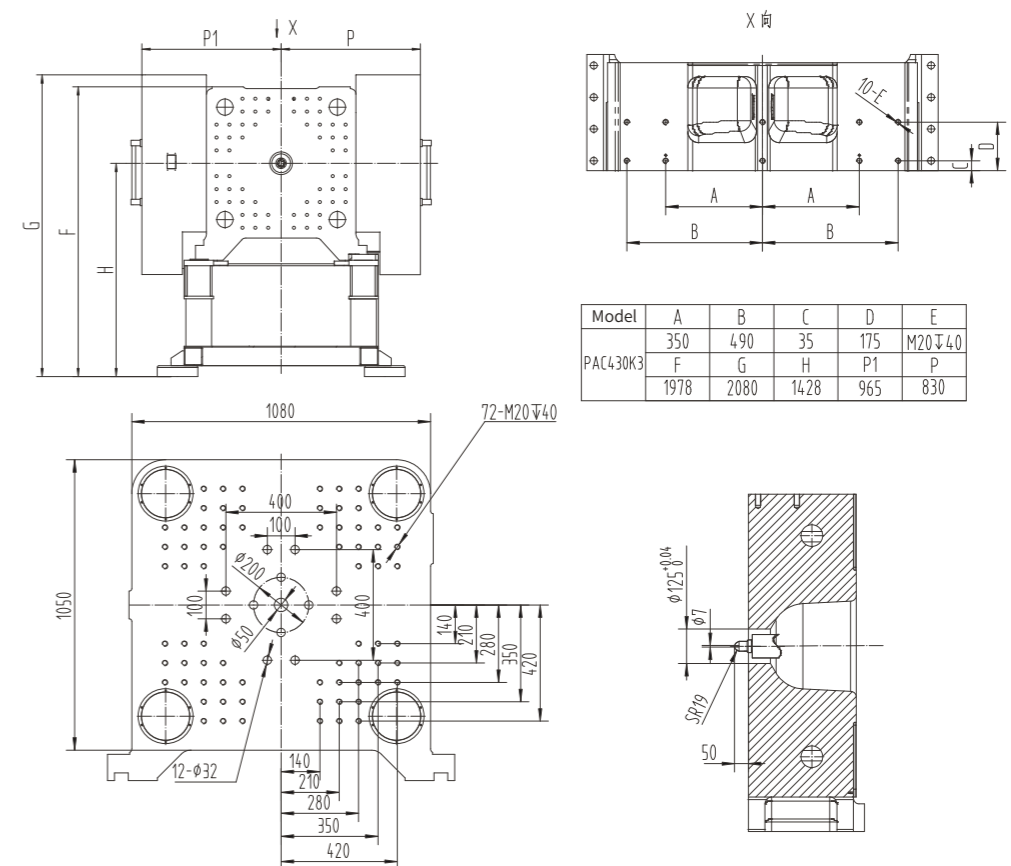
PAC430K3 High-speed Injection Molding Machine

DESCRIPTION	UNIT	PAC430K3		
International specification		915/4300		
INJECTION UNIT				
Shot volume	cm ³	442	535	636
Shot weight (PS)	g	406	492	585
	oz	14.3	17.3	20.6
Screw diameter	mm	50	55	60
Injection pressure	MPa	207	171	144
Screw L:D ratio		24:1		
Max.injection speed	mm/s	550		
Screw stroke	mm	225		
Screw speed(stepless)	r/min	0-300		
CLAMPING UNIT				
Clamping force	kN	4300		
Opening stroke	mm	590		
Space between bars (W×H)	mmxmm	680x650		
Max. Daylight	mm	1340		
mold thickness(Min.-Max)	mm	350-750		
Hydraulic ejection storke	mm	150		
Ejector number		5		
Hydraulic ejection force	kN	77		
POWER UNIT				
Hydraulic system pressure	Mpa	19		
Pump motor	kW	51+51		
Heating capacity	kW	20	24	27
Number of temp control zones		5		
GENERAL UNIT				
Dry cycle time	s	2.8		
Oil tank capacity	l	800		
Machine dimensions(LxWxH)	mxm	7.5x2.0x2.3		
Machine weight	Ton	19.3		

PAC430K3 Layout drawings



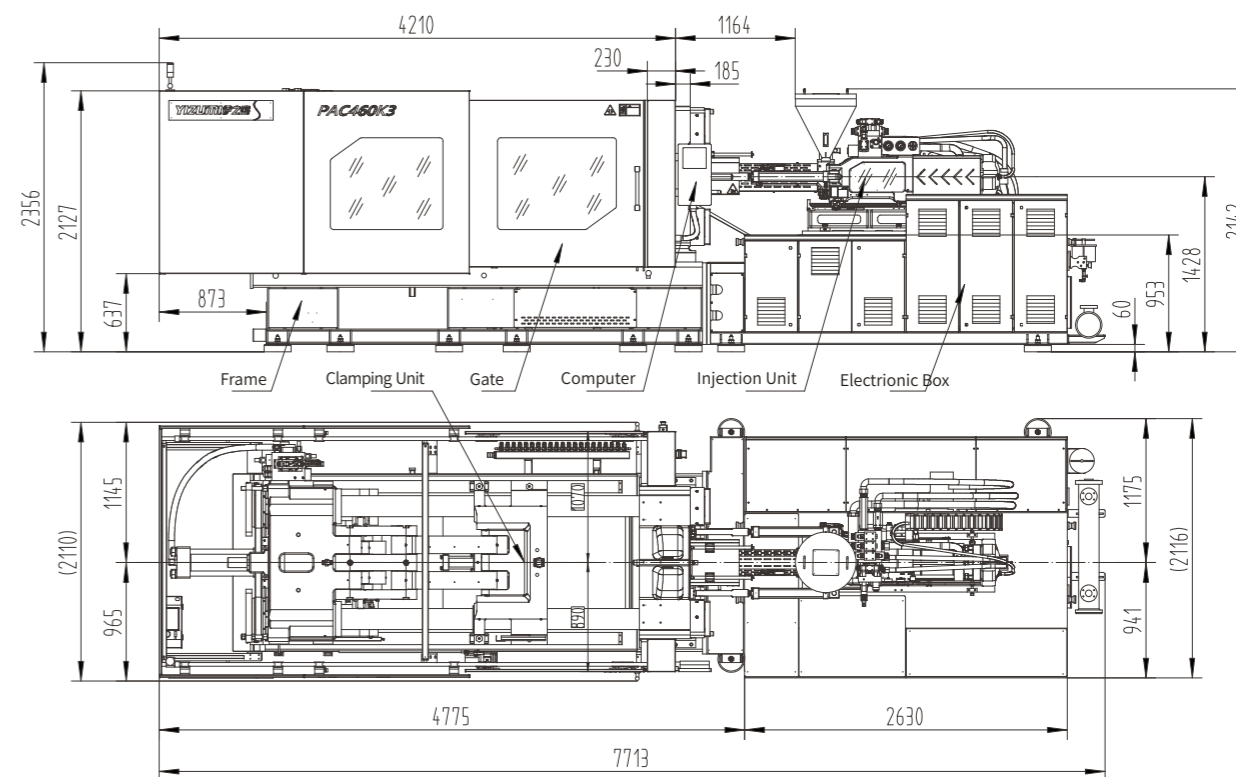
PAC430K3 Platen Dimension Drawings



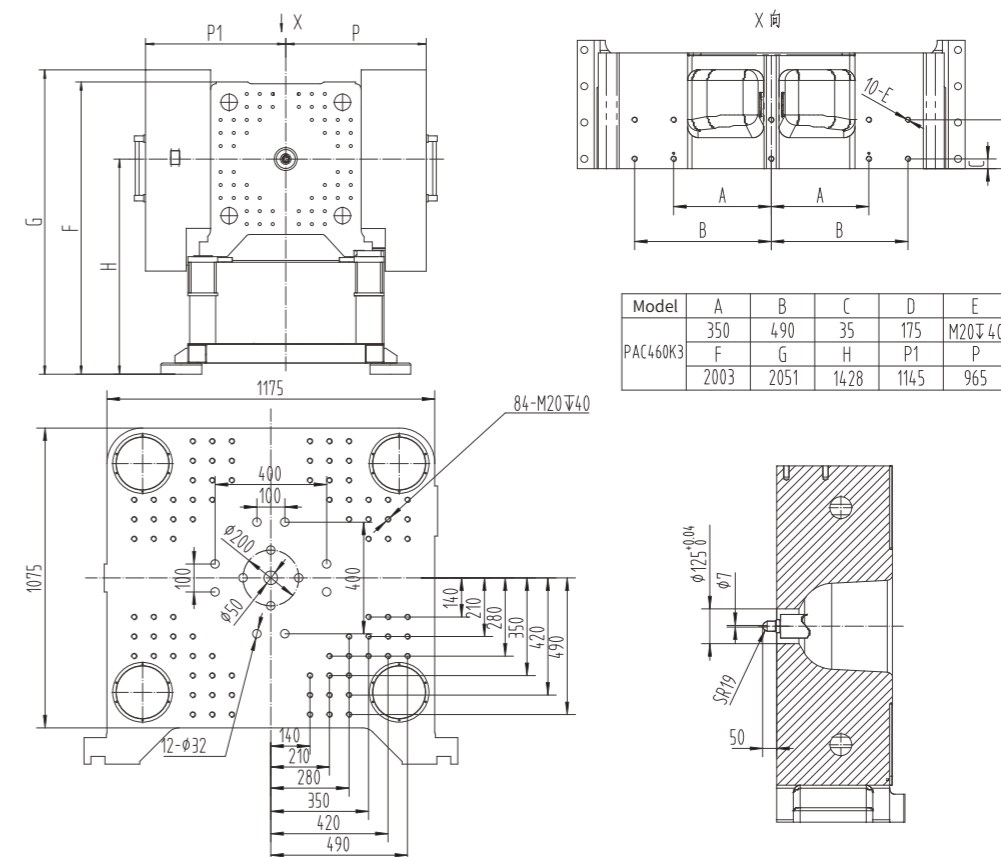
PAC460K3 High-speed Injection Molding Machine

DESCRIPTION	UNIT	PAC460K3		
International specification		915/4600		
INJECTION UNIT				
Shot volume	cm ³	442	535	636
Shot weight (PS)	g	406	492	585
	oz	14.3	17.3	20.6
Screw diameter	mm	50	55	60
Injection pressure	MPa	207	171	144
Screw L:D ratio		24:1		
Max.injection speed	mm/s	550		
Screw stroke	mm	225		
Screw speed(stepless)	r/min	0-300		
CLAMPING UNIT				
Clamping force	kN	4600		
Opening stroke	mm	660		
Space between bars (W×H)	mmxmm	750x650		
Max. Daylight	mm	1410		
mold thickness(Min.-Max)	mm	350-750		
Hydraulic ejection storke	mm	150		
Ejector number		5		
Hydraulic ejection force	kN	77		
POWER UNIT				
Hydraulic system pressure	Mpa	19		
Pump motor	kW	51+51		
Heating capacity	kW	20	24	27
Number of temp control zones		5		
GENERAL UNIT				
Dry cycle time	s	3		
Oil tank capacity	l	800		
Machine dimensions(LxWxH)	mxm	7.8x2.1x2.4		
Machine weight	Ton	22.7		

PAC460K3 Layout drawings



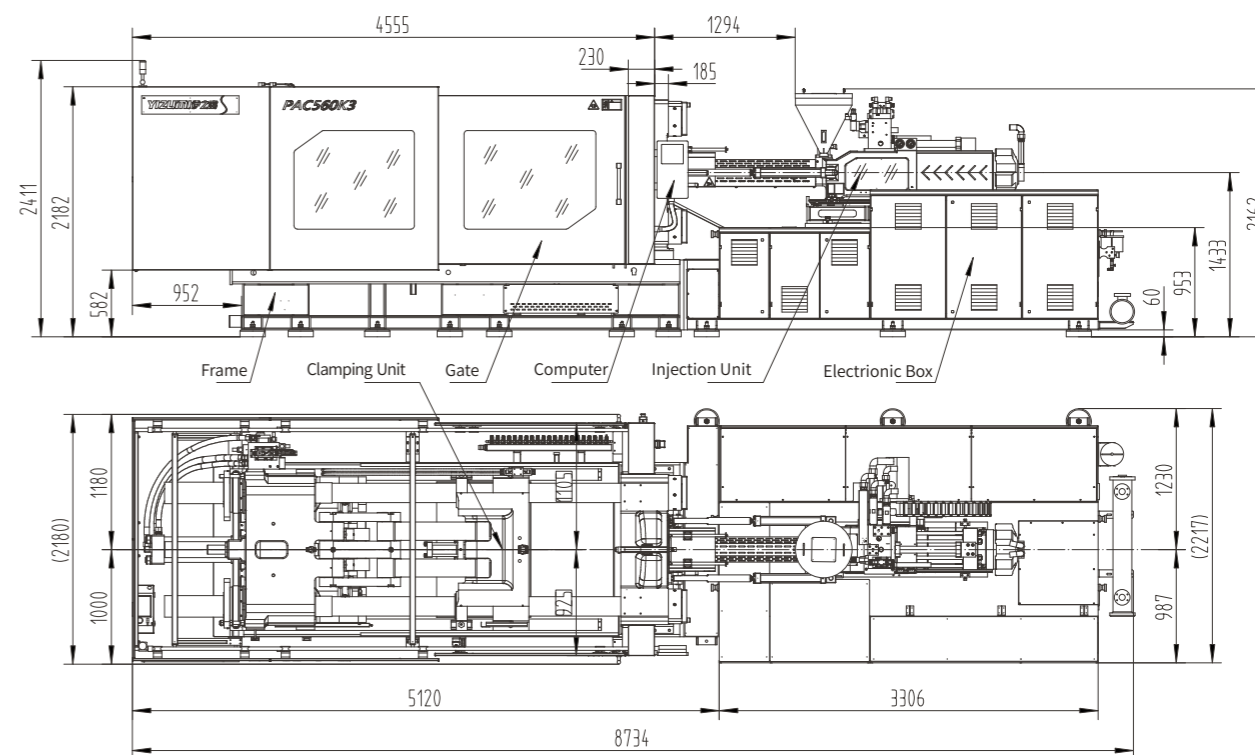
PAC460K3 Platen Dimension Drawings



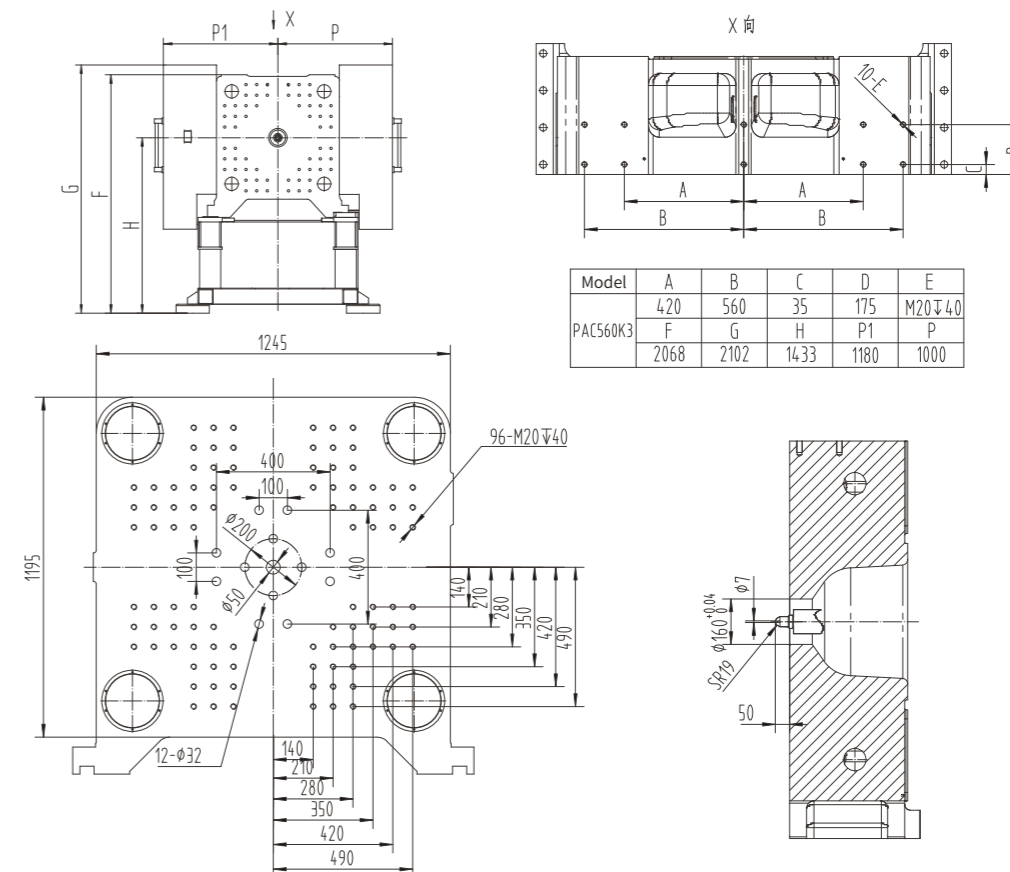
PAC560K3 High-speed Injection Molding Machine

DESCRIPTION	UNIT	PAC560K3		
International specification		1610/5600		
INJECTION UNIT				
Shot volume	cm ³	763	896	1039
Shot weight (PS)	g	702	824	956
	oz	24.8	29.1	33.7
Screw diameter	mm	60	65	70
Injection pressure	MPa	211	180	155
Screw L:D ratio		24:1		
Max.injection speed	mm/s	490		
Screw stroke	mm	270		
Screw speed(stepless)	r/min	0-300		
CLAMPING UNIT				
Clamping force	kN	5600		
Opening stroke	mm	780		
Space between bars (W×H)	mmxmm	820x770		
Max. Daylight	mm	1580		
mold thickness(Min.-Max)	mm	350-800		
Hydraulic ejection storke	mm	160		
Ejector number		5		
Hydraulic ejection force	kN	111		
POWER UNIT				
Hydraulic system pressure	Mpa	19		
Pump motor	kW	51+51+34		
Heating capacity	kW	24	26.5	30
Number of temp control zones		5		
GENERAL UNIT				
Dry cycle time	s	3.5		
Oil tank capacity	l	1000		
Machine dimensions(LxWxH)	mxm	8.8x2.2x2.5		
Machine weight	Ton	26.7		

PAC560K3 Layout drawings



PAC560K3 Platen Dimension Drawings



Standard and Optional Features of PAC-K3

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 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 / position 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	●	
System pressure sensor	●	
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	●	
Boost mold closing function	●	
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	●	
Molding data locking function	●	
Automatic clamping force adjustment	●	
LCD display screen	●	
Large memory for process parameters storage	●	
Multiple operating languages	●	
Plasticizing during mold opening (Standard for PAC380 K3 and above model , not standard for PAC250K3 and 280K3)	●	
10 sets of independent air blowing with valve (5 sets standard for PAC350 K3 and below model)	●	
Working light/ single or multi color alarm light		○
Single-phase / three-phase power socket		○
Interface for electric unscrewing device		○
Special power supply voltage		○
Electrial unscrewing unit		○
Hot runner interface		○
Machine overall energy consumption display		○
Electric plasticizing device		○
Infrared / ceramic heater band		○

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		○