

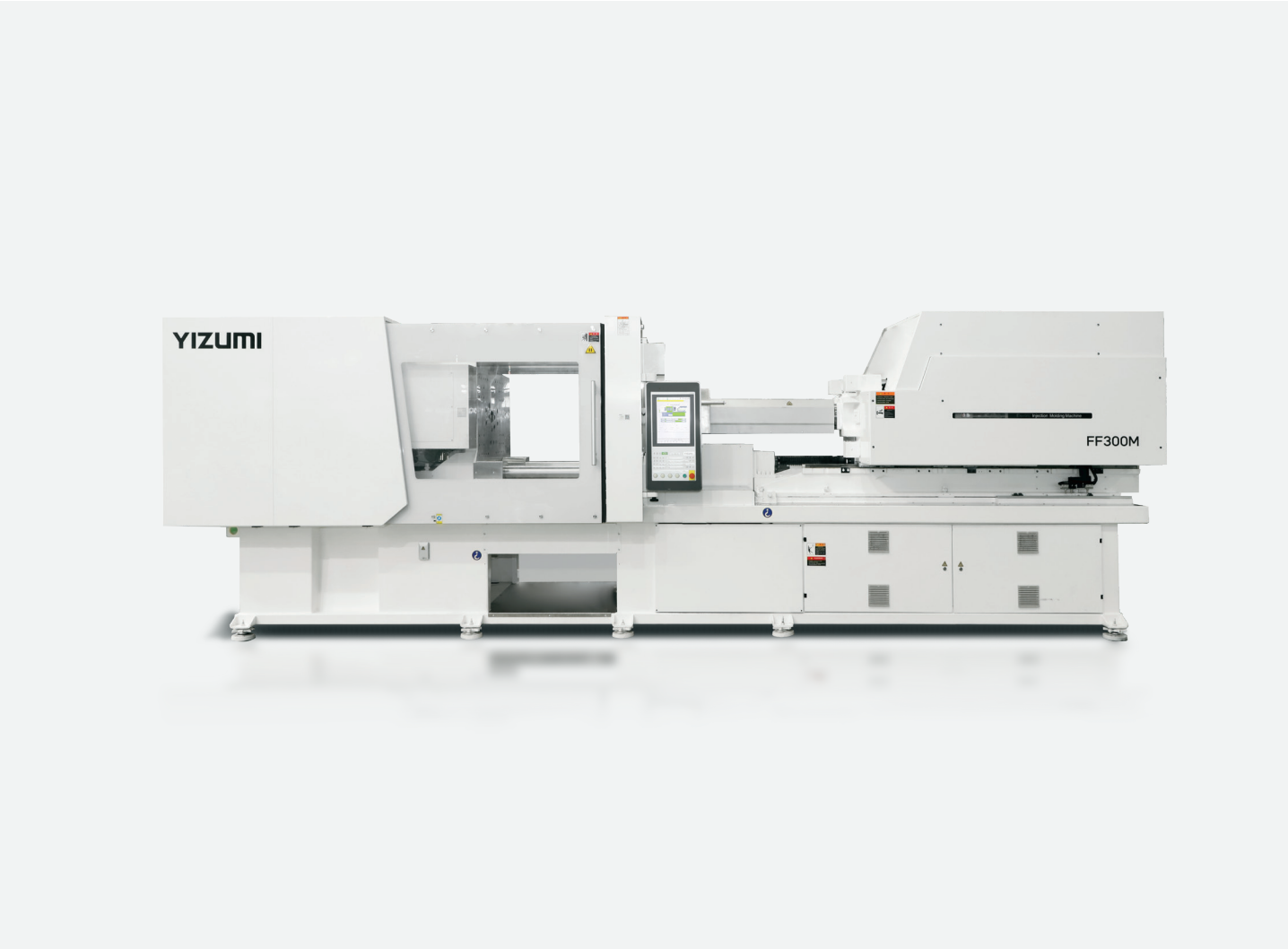
THINK TECH FORWARD

Stock code: 300415

YIZUMI

Designed by YIZUMI, March 2026

Medical
Injection Molding Machine



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[1] YIZUMI reserves the right to modify the product description in the catalogue. Specification might be changed without prior notice.
[2] The picture in the catalogue is for reference only. The real object should be considered as final.
[3] The data in the catalogue is obtained from internal testing in YIZUMI laboratory.
Please refer to the actual machine for the final data. YIZUMI reserves the right of final interpretation upon disputes and ambiguities.

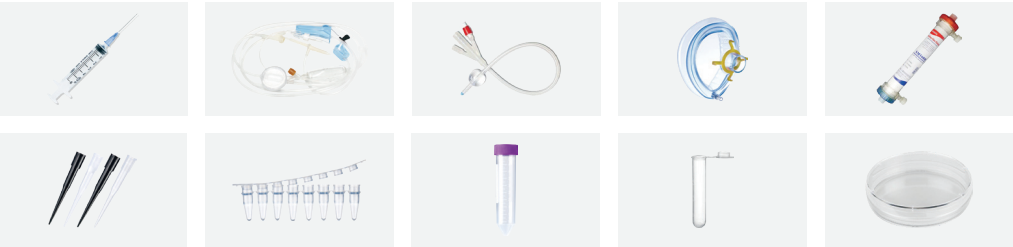


THINK TECH FORWARD

T-M Series Hydraulic Medical IMM	01
FF-M Series Micro Electric Medical IMM	05
FF-M Series Electric Medical IMM	07
P-M Series Hydraulic High-Speed Medical IMM	15
Clean Configuration	19
Specifications of T160-320M	23
Specifications of FF15-30M	27
Specifications of FF160-380M	31
Specifications of P200-300M	41

The medical industry focuses on people's lives and health. We are well aware of the significant responsibility. YIZUMI medical line department, rooted in the medical industry, can provide sophisticated injection molding solutions and service of different products that are covering production consultation, research and development, and scale production. YIZUMI is your reliable partner!

There are many types of medical products, ranging from commonly used therapeutic products, diagnostic products, hemodialysis products to pharmaceutical packaging products, etc. Different products have different raw materials, structures and quality requirements. According to the process characteristics of these products, combined with the requirement of cleanroom production, YIZUMI creatively launched a series of injection molding machines dedicated to the medical industry, including hydraulic machine, electric machine, hydraulic high-speed machine, electric high-speed machine, to achieve the production of high efficiency, high quality, high stability, and high cleanliness.



T-M Series Hydraulic Medical IMM

Value Propositions

- ↑ Higher efficiency
- 🌿 Higher cleanliness
- 🛡️ Suitable for low-cost cleanroom production

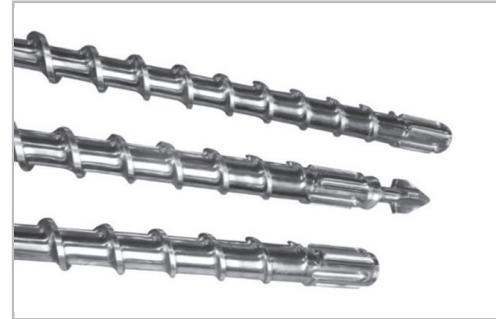


* Machine frame structure has been optimized through finite element analysis to improve rigidity and stability.

Technical Highlights

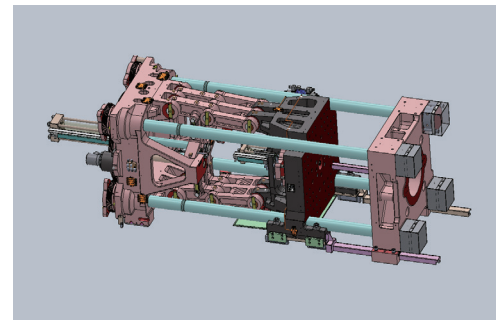
Higher efficiency

- **Improved injection speed:** With new upgraded power, injection speed can reach up to 120-130mm/s, which is improved by 15%-25%. So the requirements of commonly used medical consumables can be met.
- **Enhanced plasticizing efficiency:** For raw materials commonly used in medical consumables like PP and PS, high-plasticizing and high-mixing screw is used to improve plasticizing efficiency, with plasticizing efficiency enhanced by 50%.
- **Improved dry cycle:** The machine's dry cycle time is reduced by 15%, significantly improving production efficiency.



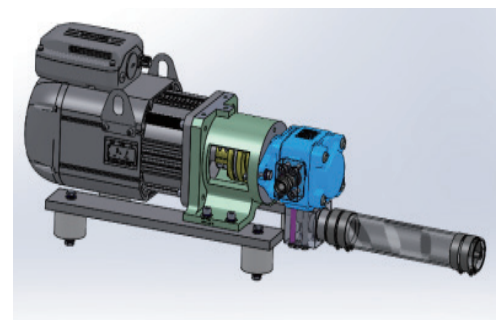
Higher cleanliness

- **Stable and clean Tie-Bar Free technology:** No contact between the platen and the tie bars, and no lubricating oil on the tie bars, prevents product contamination and thus improves pass rate. With this technology solving traditional machine issue of lubrication oil buildup on steel belts, frequent cleaning is no longer required. Furthermore, it reduces mechanical friction during mold opening/-closing for lower energy consumption loss.
- White machine outlook, scratch resistant spray coating.
- Enclosed design for machine and its exposed parts reduce dust accumulation, clean and tidy.
- The machine frame, product dropping area, periphery of platen are covered with stainless steel plates, which is clean and easy to clean.



Suitable for low-cost cleanroom production

- Small footprint to save cleanroom space.
- All-new servo system and oil circuit design for low energy consumption.
- Improving efficiency while reducing costs to enable low-cost production for customers



Application Cases



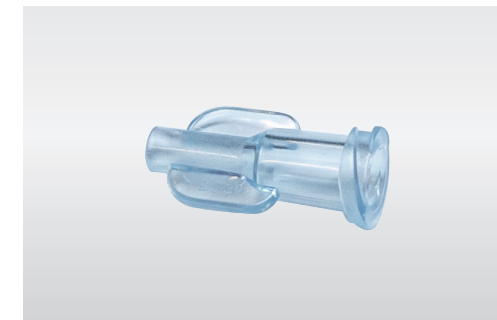
Syringe barrel (5ml)

Weight: 2.3g
 Number of cavities: 48
 Runner type: Semi hot runner
 Cycle time: 14±1s
 IMM model: T260M



Respiratory mask

Weight: 14.5g
 Number of cavities: 4
 Runner type: Semi hot runner
 Cycle time: 26±1s
 IMM model: T260M



Rigid needle hub

Weight: 0.357g
 Number of cavities: 40
 Runner type: Semi hot runner
 Cycle time: 16±1s
 IMM model: T200M

FF-M Series Micro Electric Medical IMM

Separate supports for crosshead guide rod

Separating supports and the tail platen can avoid the impact of tail platen deformation on the crosshead, thus improving balance of toggle motion and minimizing deformation effects on products.

Optimized platen rigidity

Minimized platen deformation fully ensures balanced force distribution at the center of precision mold, guaranteeing product consistency. Platen parallelism $\leq 0.02\text{mm}$.

Double-ball-screw electric carriage structure

The nozzle maintains uniform and stable contact force against the mold surface, preventing material leakage while reducing minimizing deformation of the fixed platen caused by uneven force distribution, thereby ensuring stable products.



Separate platen supports

The separate supports design ensures more uniform stress distribution and thermal deformation on platen. The optional dual-mold structure for movable platen further reduces mold deformation, making it particularly suitable for precision molding applications.

High-precision linear guides

Superior platen parallelism and guiding accuracy for precision manufacturing applications.
Straightness $\leq 0.01\text{mm}$ (for specific stroke)

Effective dust-proof electrical cabinet

The driver cooling vents are externally mounted on the electrical cabinet, reducing internal heat sources and ensuring more stable and efficient heat dissipation.
Featuring no air inlets/outlets, this design prevents dust entry and reliably protects the internal components, thereby extending their service life.

High-rigidity machine frame

Machine frame structure has been optimized through finite element analysis to improve rigidity and stability.

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FF-M Series Electric Medical IMM

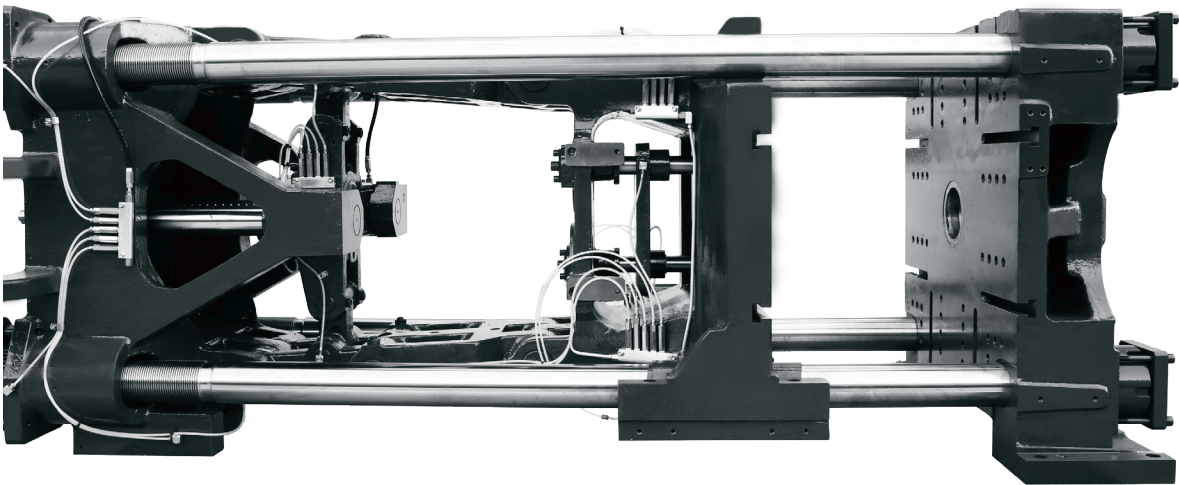
Value Propositions

-  Stability and precision
-  High efficiency and energy saving
-  Intelligence and automation
-  High cleanliness



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Stability and Precision

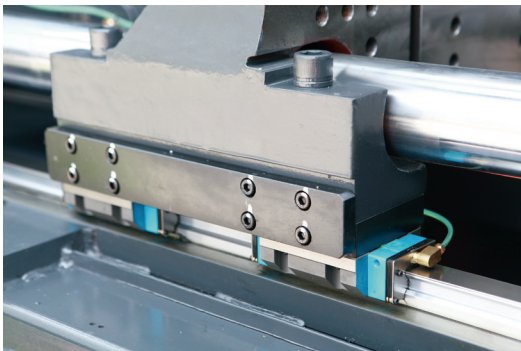


Stable Tie-Bar Free(TBF) structure

- ▶ No contact between the platen and the tie bars, and no lubricating oil on the tie bars, avoid contamination to products.
- ▶ Low mechanical friction resistance during mold opening and closing, less energy loss.
- ▶ Stable and reliable structure.

Linear guide rail structure

- ▶ Guiding accuracy can reach 0.02mm.
- ▶ Fast and stable mold opening and closing, with high repeatability up to ±0.03mm.



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Special screw and barrel

- ▶ The size, processing accuracy, surface treatment and material selection of the screw and barrel adopt German standards.
- ▶ Also improve injection repeatability.



Temperature closed-loop control

- ▶ Static deviation: ±0.5°C



Injection pressure closed-loop control

- ▶ Make the control more precise and the molding more stable and reliable.
- ▶ Stability accuracy of injection pressure and holding pressure up to ± 0.1Mpa.

High Efficiency and Energy Saving

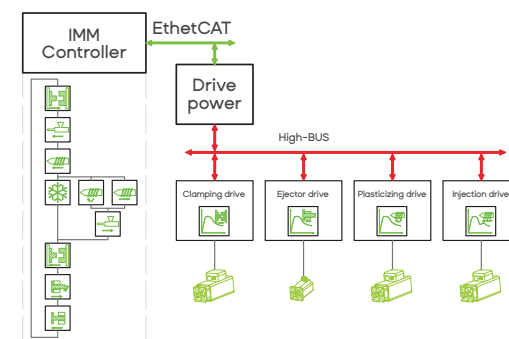
Electrical System

- ▶ Simple and powerful electrical system, suitable for high-performance solutions of electric injection molding machines.
- ▶ 15 inch HD color touch screen, with clear and concise images.
- ▶ Standard with PDP process quality control and SPC process quality statistics function, automatic quality sorting function.
- ▶ Oscilloscope with the function of chart display, and curve recording of process data changes.
- ▶ Real-time remote operation and control through network (Optional).
- ▶ Flexible I/O expansion modules integrate more functions as needed, and are freely programmable for advanced hardware and software systems to make scanning cycle of 1ms available, meeting the requirement of "Industry 4.0"(Optional).
- ▶ 16-level user access management to protect data security.



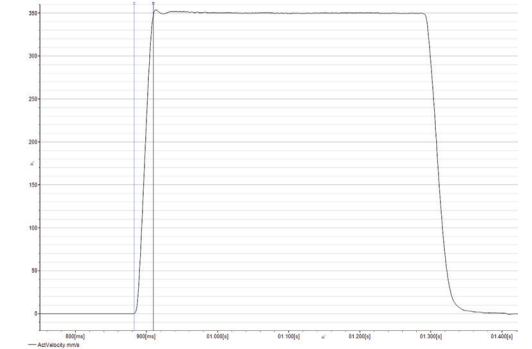
Unique SDC servo direct control technology

- ▶ The process algorithm built into the servo driver is independently developed by YIZUMI.
- ▶ Control cycle was reduced from 2-4ms to 0.125ms.
- ▶ Injection position, mold opening and closing position, switching position and control position accuracy are more accurate.



Fast injection speed, fast acceleration, only need 25ms to accelerate to 350mm/s

- ▶ Easily meeting the molding requirement of products with complex structure and high standards of precision.
- ▶ Standard with fast injection speed for diversified molding requirements.



All-electric configuration

- ▶ Reduce the risk of oil contamination to products.
- ▶ Ensure high accuracy of all machine movements, including ejection.
- ▶ Completely free of hydraulic oil, minimizing the risk of contamination in the cleanroom.

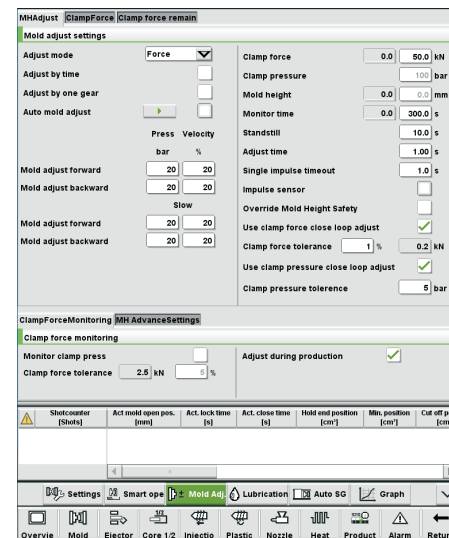


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Intelligence and Automation

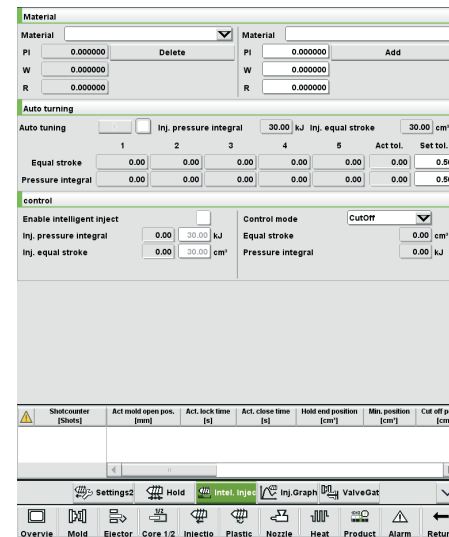
Smart clamping force management system (Optional)

- ▶ Smart clamping force setting, maintaining, optimizing, and monitoring.
- ▶ Automatically find the optimal clamping force, improve the service life of molds and machines, and reduce maintenance costs.
- ▶ Reduce machine energy consumption.
- ▶ Improve product quality and reduce quality problems such as flash and trapped gas.
- ▶ Ensure the stable clamping force for stable production.



Intelligent weight control

- ▶ Automatic monitoring and real-time dynamic adjustment of molding process parameters.
- ▶ Effectively reduce the impact of external factors on the molding process, such as mold temperature, raw material properties, etc., and improve the stability of the process.
- ▶ Effectively reduce product weight differences and improve consistency.



Application Cases



Pre-filled flush syringe

Material: PP
Number of cavities: 32
Cycle time: 12±1s
IMM model: FF240M



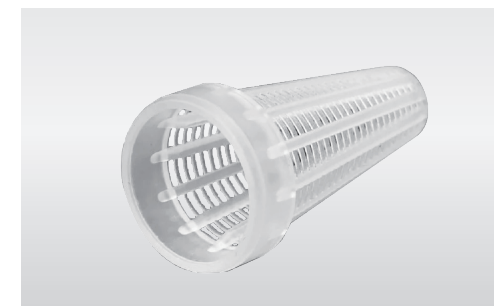
Syringe needle cap

Material: PP
Number of cavities: 128
Runner type: Full hot runner
Cycle time: 8±1s
IMM model: FF200M



Drip chamber

Material: PVC
Number of cavities: 24
Cycle time: 28±1s
IMM model: FF300M



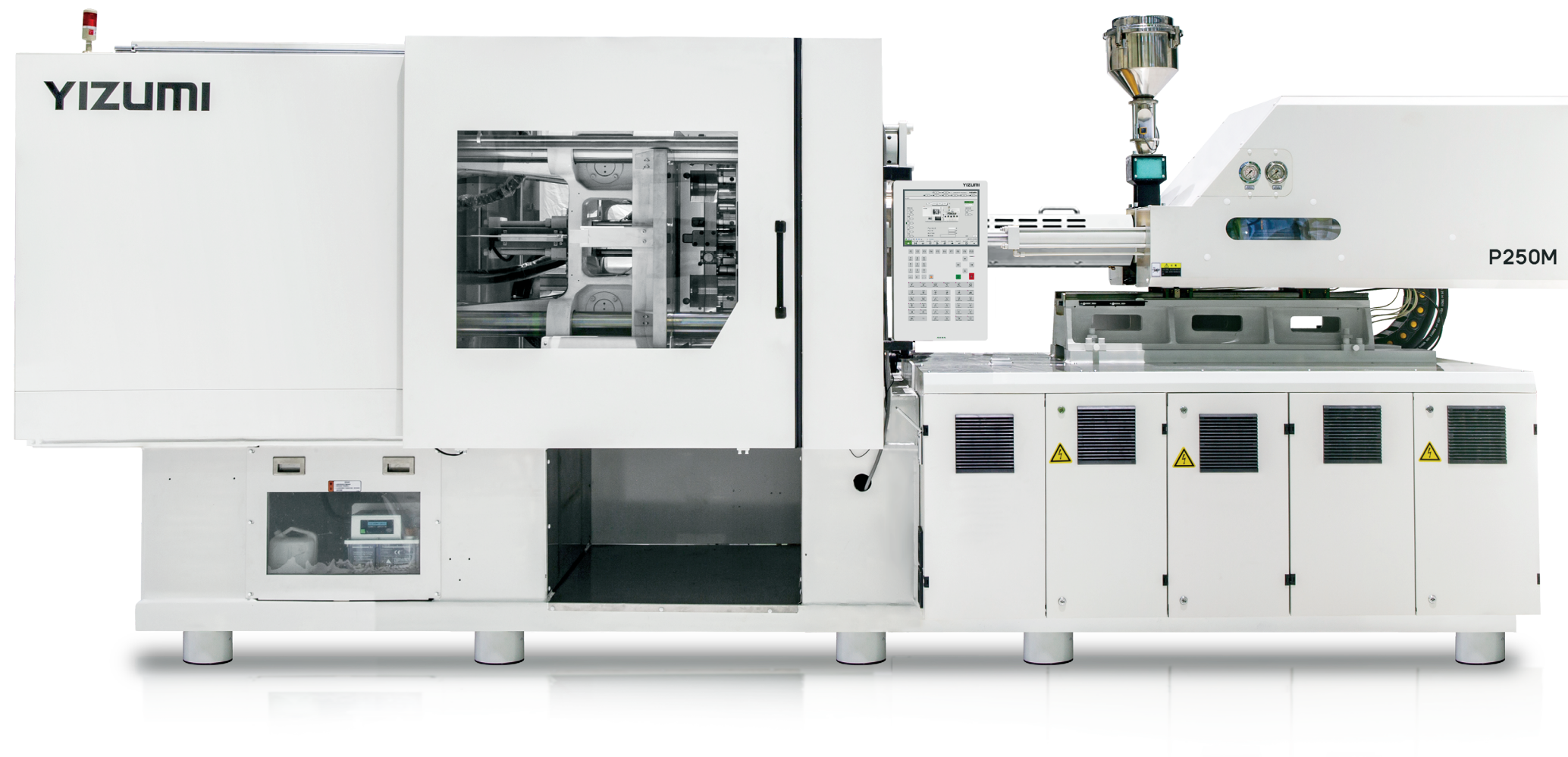
Dialysis filter

Material: PP
Number of cavities: 16
Runner type: Full hot runner
Cycle time: 10±1s
IMM model: FF160M

P-M Series Hydraulic High-Speed Medical Injection Molding Machine

Value Propositions

-  High rigidity
-  High injection speed
-  Small footprint
-  Suitable for cleanroom production

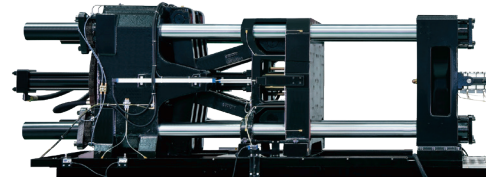


* Machine frame structure has been optimized through finite element analysis to improve rigidity and stability.

Highlights

High-strength toggle

- ▶ Enhance the strength and rigidity of the toggle, to extend the machine service life and improve the operation stability of machine under high speed and high strength.
- ▶ Large beveled toggles reduce platen deformation and effectively ensures product quality.



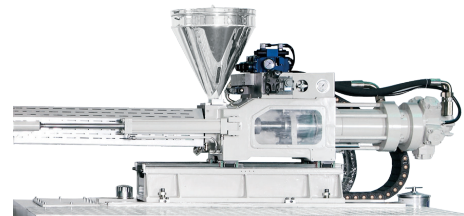
High-rigidity clamping unit

- ▶ Suitable for large length-diameter ratio or deep cavity product, it can significantly improve the clamping force and better protect the mold.



Single-cylinder injection system

- ▶ The maximum injection speed is up to 500mm/s (Optional).
- ▶ It can be equipped with an electric injection unit to improve the injection accuracy and speed, and achieve parallel plasticizing (Optional).
- ▶ Equipped with screw of large length-diameter ratio to improve plasticizing efficiency.



Compact structural design

- ▶ Small footprint and space saving. The P250M machine occupies an area of 5.76m×1.73m×2.28m.



Application Cases

Blood collection tube

Material: PET
 Number of cavities: 64
 Runner type: Full hot runner
 Cycle time: 8±1s
 IMM model: P250M



Centrifuge tube

Material: PP
 Number of cavities: 64
 Runner type: Full hot runner
 Cycle time: 8±1s
 IMM model: P250M



Petri dish

Material: PS
 Number of cavities: 8
 Runner type: Full hot runner
 Cycle time: 6±1s
 IMM model: P250M



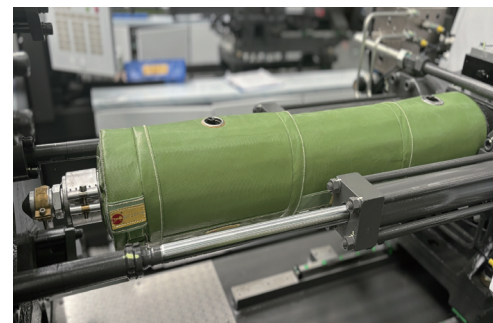
Clean Configuration

Injection molding machines special for medical industry have configuration with high levels of cleanliness to meet the requirement of clean-room production, and have a number of unique designs to help achieve pollution-free clean-room production, with increased productivity and less energy consumption.

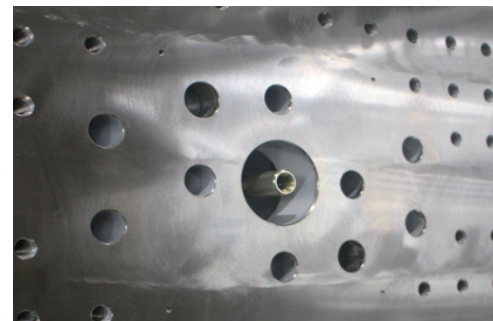
- ▶ White machine outlook, scratch resistant spray coating.
- ▶ Over 100mm gap between the machine bottom and ground, easy to clean.
- ▶ Machine height is specially designed for cleanroom of height limit.
- ▶ Enclosed machine foot, easy to clean.



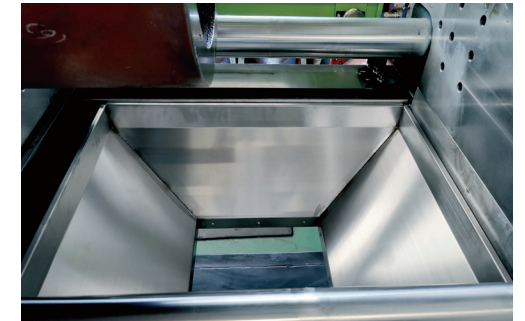
Aerogel insulation device reduces heat loss and machine energy consumption. Additionally, it contributes to reduced cleanroom energy consumption by reducing heat dissipation to the cleanroom environment.



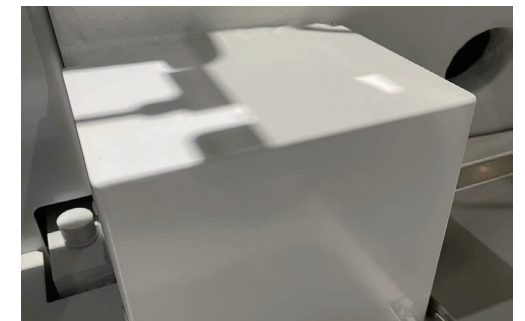
- ▶ Smooth and clean platen
- ▶ No T-slot on platen
- ▶ Nickel plating platen (Optional)



- ▶ Stainless steel hopper is used to ensure product cleanliness, easy to clean.



- ▶ Enclosed structure of machine exposed parts, clean and tidy.



- ▶ The periphery of the platen is covered with stainless steel plates, clean and easy to tidy.
- ▶ The machine door adopts stainless steel guide rails, with the height of the upper guide rail same as that of the upper tie bar, which is clean and convenient to use the robot.



- ▶ The lower part of the product dropping area is covered with stainless steel plates, which is clean and wear-resistant.

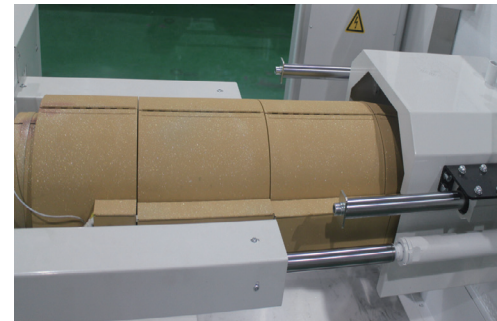


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Clean Configuration (Optional)

Infrared heater band for plasticizing unit (Optional)

- ▶ The surface temperature of the infrared heater band is ≤ 60 degrees, which can effectively reduce energy consumption in the cleanroom.
- ▶ Reduce heat dissipation from machine.
- ▶ Reduce the turbulence caused by machine;
- ▶ Better energy-saving effect.



Dust-proof nozzle guard (Optional)

- ▶ One-click to exhaust smoke and dust from nozzle.
- ▶ Reduce dust emission to ensure clean production environment.



One-button automatic tie-bar extraction (Optional)

- ▶ Convenient for the installation of big-size mold.
- ▶ Effectively reduce the height of cleanroom.



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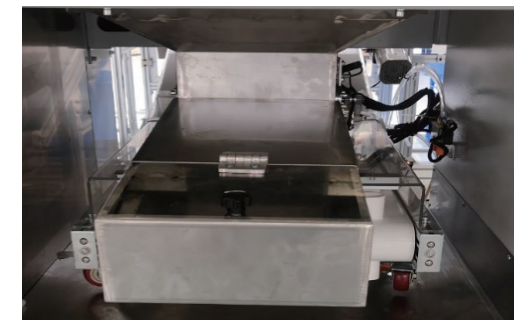
Built-in conveyor belt (Optional)

- ▶ The conveyor belt adopts a dust-proof and clean design.
- ▶ The IMM operation system integrates the control of conveyor belt, allowing direct control of conveyor belt movement, speed, etc., through the operation interface of injection molding machine.



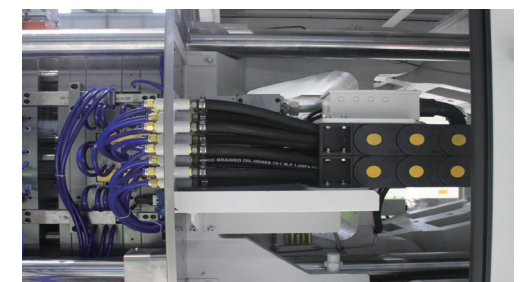
Sampling chute (Optional)

- ▶ IMM integrated control, facilitating product sampling.
- ▶ Connected with a controller system, to achieve automatic quality sorting.



Cooling water manifold base+ manifold flow meter (Optional)

- ▶ Cooling water manifold is sealed and built-in, while the base is placed at the side of the platen, convenient to connect the mold water channel and monitor the situation.

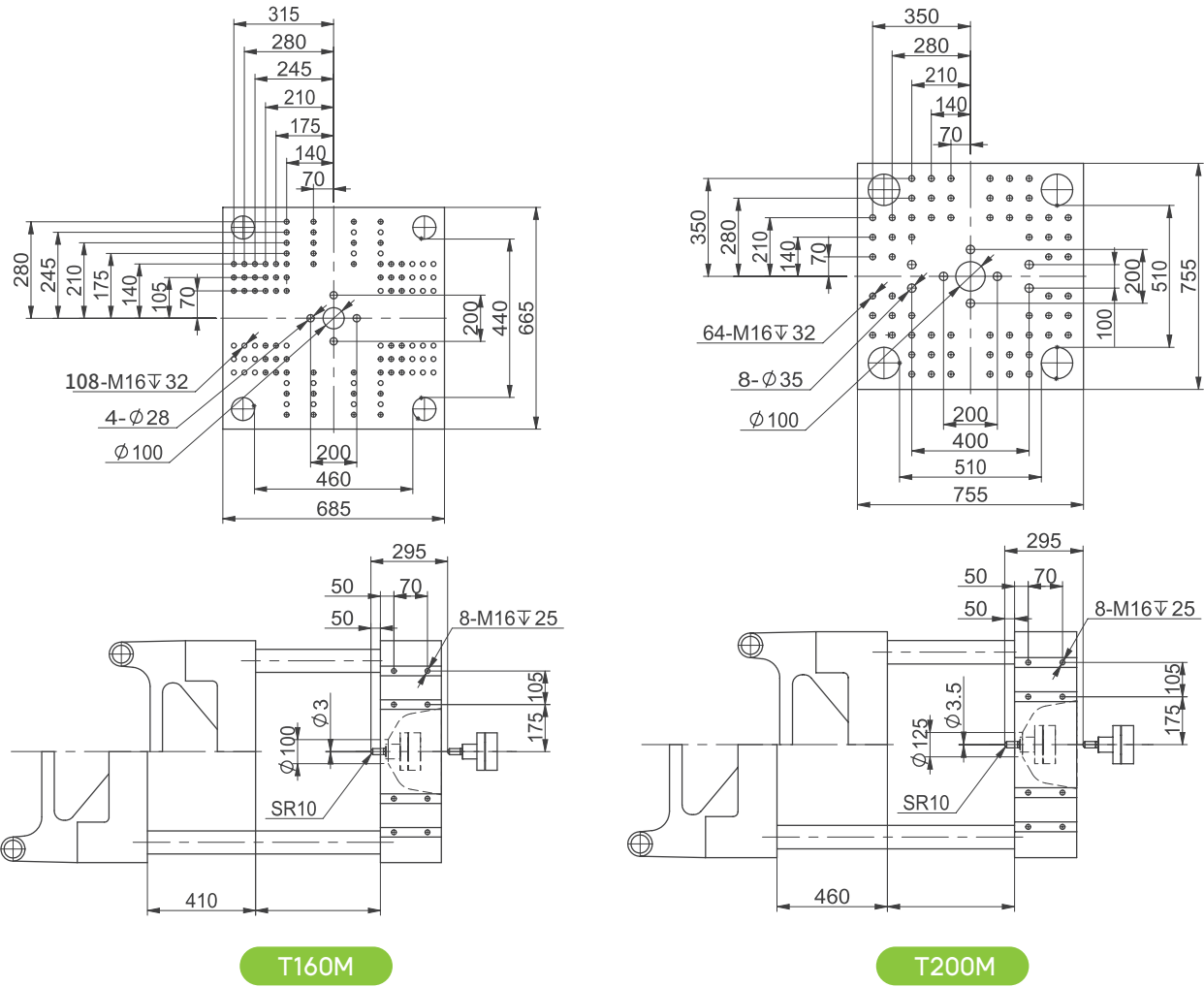


Specifications of T160-200M

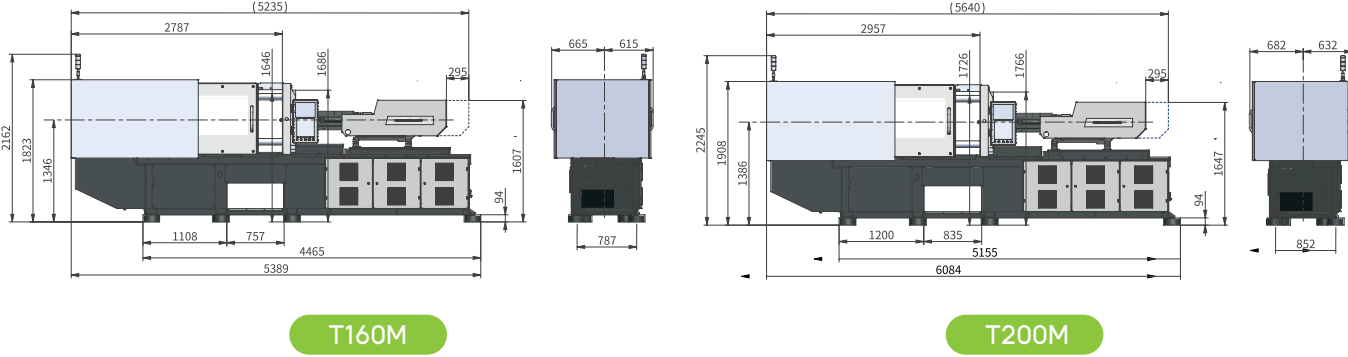
Descriptions	UNIT	T160M		T200M	
International size		604/1600		895/2000	
		A	B	A	B
INJECTION UNIT					
Theoretical shot volume	cm³	298	371	425	518
Shot weight (PP)	g	214	267	306	373
	oz	7.6	9.4	10.8	13.2
Screw diameter	mm	43	48	48	53
Injection pressure	MPa	203	163	211	173
Injection rate (PP)	g/s	133.5	166.4	163.3	199.1
Screw L:D ratio	/	22.3:1	20:1	22:1	20:1
Max. injection speed	mm/s	128	128	125	125
Screw stroke	mm	205	205	235	235
Screw speed	r/min	0-250	0-250	0-250	0-250
CLAMPING UNIT					
Clamping force	kN	1600		2000	
Space between tie bars (WxH)	mmxmm	460x440		510x510	
Mold thickness (min.-max.)	mm	190-460		210-520	
Opening stroke	mm	410		460	
Max. daylight	mm	870		980	
Ejector force	kN	42		49	
Ejector stroke	mm	140		150	
Number of ejector pin holes	-	5		5	
POWER UNIT					
Max. system pressure	MPa	17.5		17.5	
Motor power	kW	29.3		35.2	
Heating power	kW	10.9		13.06	
Number of temperature control zones	-	4		5	
GENERAL					
Dry cycle time	s	2.1		2.7	
Oil tank capacity	L	195		303	
Machine dimensions (LxWxH)	m	5.39x1.28x2.17		6.09x1.35x2.25	
Machine weight	Kg	4300		5300	

Note: 1. Theoretical shot volume= barrel sectional area * injection stroke
2. Shot weight=shot volume * 0.72 (for PP)
3. Due to improvement, specifications may be changed without prior notice.
4. Please let us know if you have engineering-plastics products (PVC, PC or PMMA etc.) or any special requirement.

Platen Dimensions



Machine Dimensions

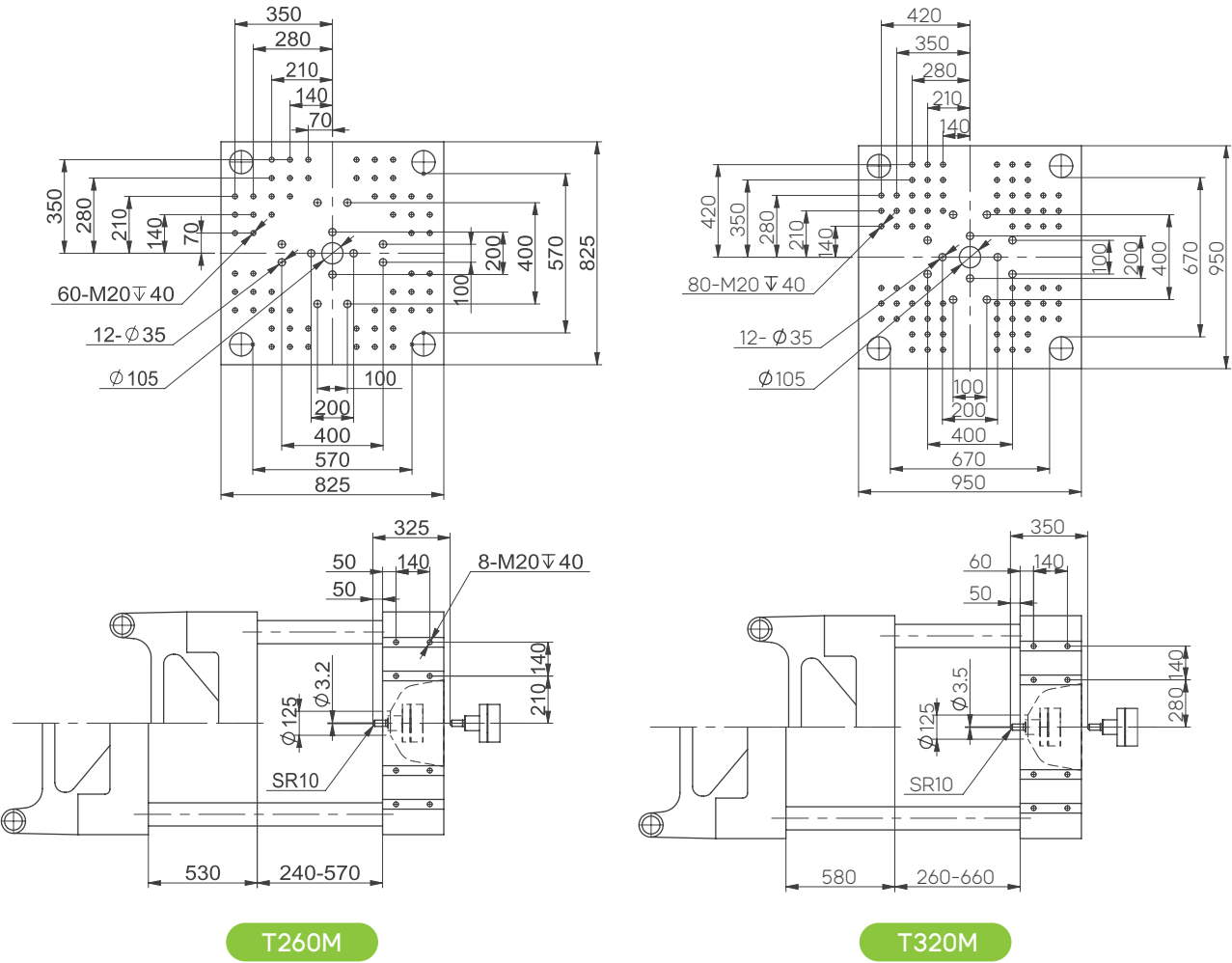


Specifications of T260-320M

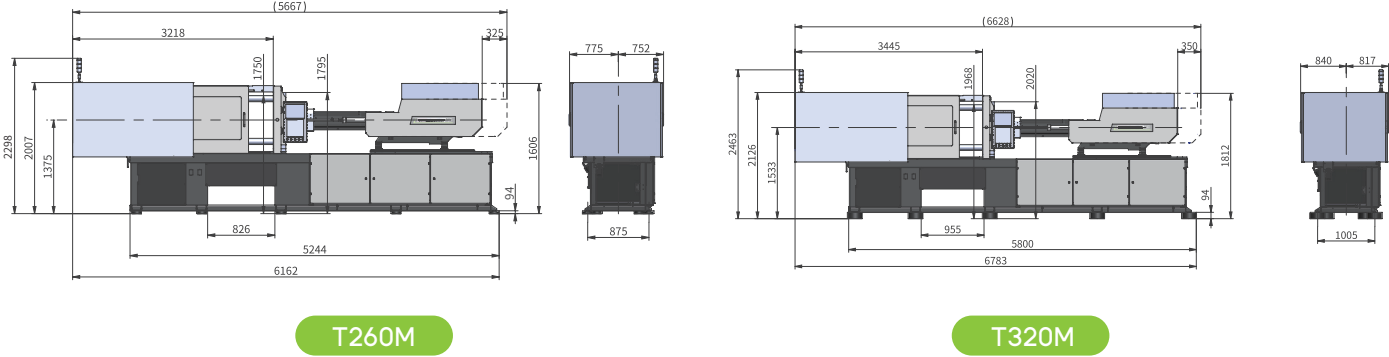
Descriptions	UNIT	T260M			T320M	
International size		1010/2600			1810/3200	
		A	B	C	A	B
INJECTION UNIT						
Theoretical shot volume	cm³	479	584	749	834	978
Shot weight (PP)	g	345	421	539	600	704
	oz	12.2	14.8	19.0	21.2	24.8
Screw diameter	mm	48	53	60	60	65
Injection pressure	MPa	211	173	135	217	185
Injection rate (PP)	g/s	163.3	199.1	255.2	247.8	290.8
Screw L:D ratio	/	22:1	20:1	20:1	22.6:1	20.9:1
Max. injection speed	mm/s	125	125	125	122	122
Screw stroke	mm	265	265	265	295	295
Screw speed	r/min	0-210	0-210	0-210	0-210	0-210
CLAMPING UNIT						
Clamping force	kN	2600			3200	
Space between tie bars (WxH)	mmxmm	570x570			670x670	
Mold thickness (min.-max.)	mm	240-570			260-660	
Opening stroke	mm	530			580	
Max. daylight	mm	1100			1240	
Ejector force	kN	77			77	
Ejector stroke	mm	160			170	
Number of ejector pin holes	-	13			13	
POWER UNIT						
Max. system pressure	MPa	17.5			17.5	
Motor power	kW	35.2			58.6	
Heating power	kW	13.06		15.36	22.9	
Number of temperature control zones	-	5			5	
GENERAL						
Dry cycle time	s	2.8			3.4	
Oil tank capacity	L	314			439	
Machine dimensions (LxWxH)	m	6.17×1.53×2.30			6.79×1.66×2.46	
Machine weight	kg	7000			9200	

Note: 1. Theoretical shot volume= barrel sectional area * injection stroke
2. Shot weight=shot volume * 0.72 (for PP)
3. Due to improvement, specifications may be changed without prior notice.
4. Please let us know if you have engineering-plastics products (PVC, PC or PMMA etc.) or any special requirement.

Platen Dimensions



Machine Dimensions



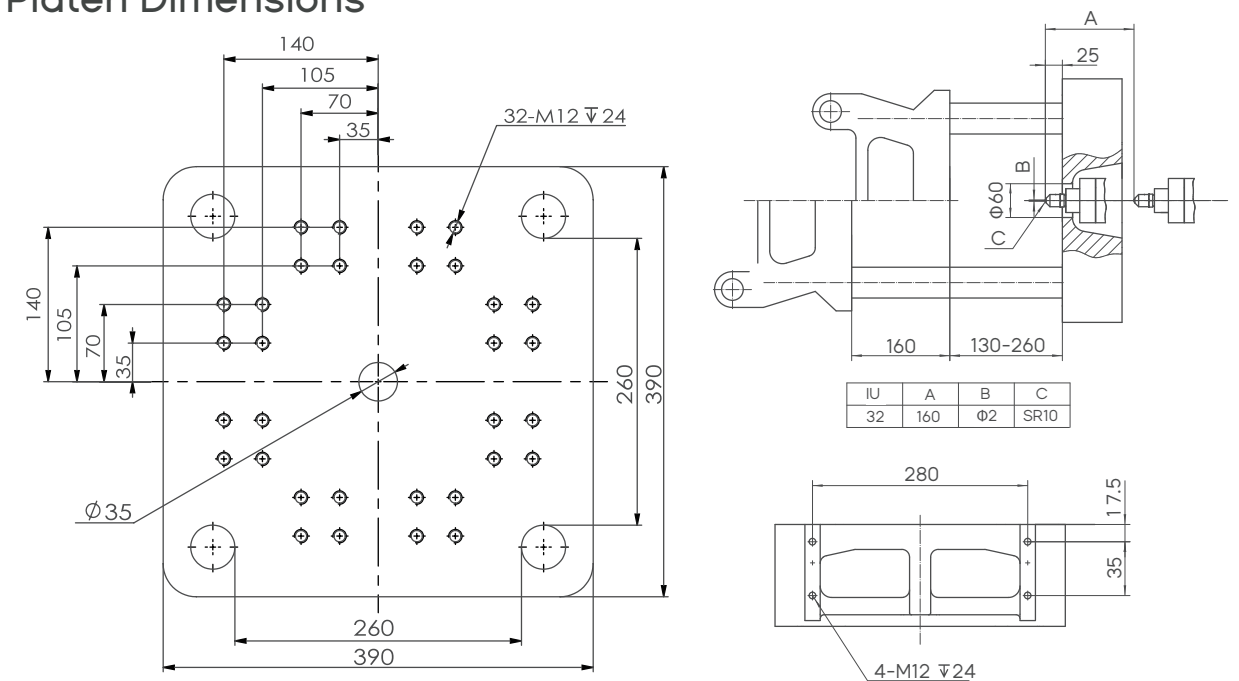
Specifications of FF15M

Descriptions		UNIT	FF15M		
Clamping Unit					
Clamping force		kN	150		
Mold opening/closing stroke		mm	160		
Space between tie bars		mm	260×260		
Mold thickness		mm	130-260		
Ejector stroke		mm	50		
Ejector force		kN	7		
Number of ejectors		-	1		
Injection Unit					
Model of injection unit		IU32			
International specification		32			
		A	B	C	
Screw diameter	mm	14	16	19	
Screw L/D ratio	-	18	18	18	
Screw stroke	mm	49	56	66	
Stroke-bore ratio	-	3.5	3.5	3.47	
Shot volume	cm³	7.5	11.3	18.7	
Shot weight (PS)	g	6.9	10.4	17.2	
Injection pressure	MPa	230	285	200	
Holding pressure	MPa	200	260	160	
Injection speed (Std.)	mm/s	300			
Injection rate (Std.)	g/s	42	55	78	
Screw speed	rpm	400			
Nozzle contact force	kN	3/7			
Heating power	kW	1.5	1.9	2.5	
Total power	kw	12.1			
Total current	A	31.2			
General					
Dry cycle	s	1.1			
Machine weight	kg	2018			

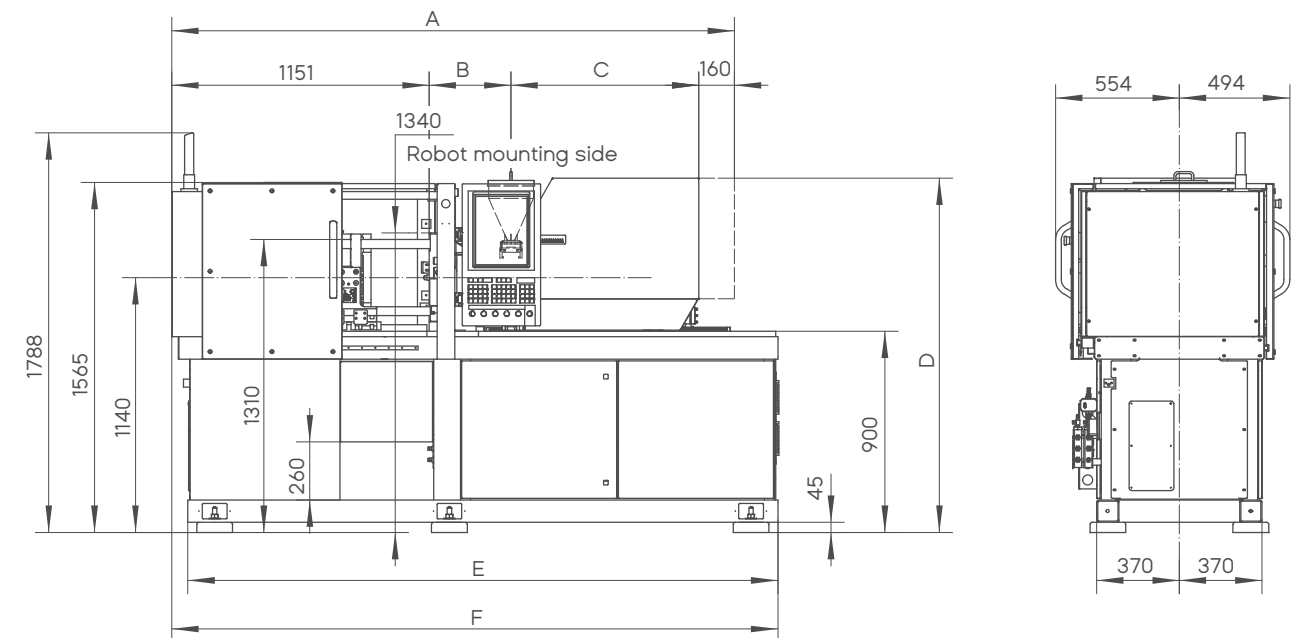
* Injection speed 500mm/s for option

* The data above were acquired by testing in YIZUMI, only for your reference.
YIZUMI reserves the right of final interpretation upon disputes and ambiguities.

Platen Dimensions



Machine Dimensions



Model	A(A/B/C Screw)	B(A/B/C Screw)	C	D	E	F
IU32	2476/2517/2577	325/366/426	840	1585	2640	2710

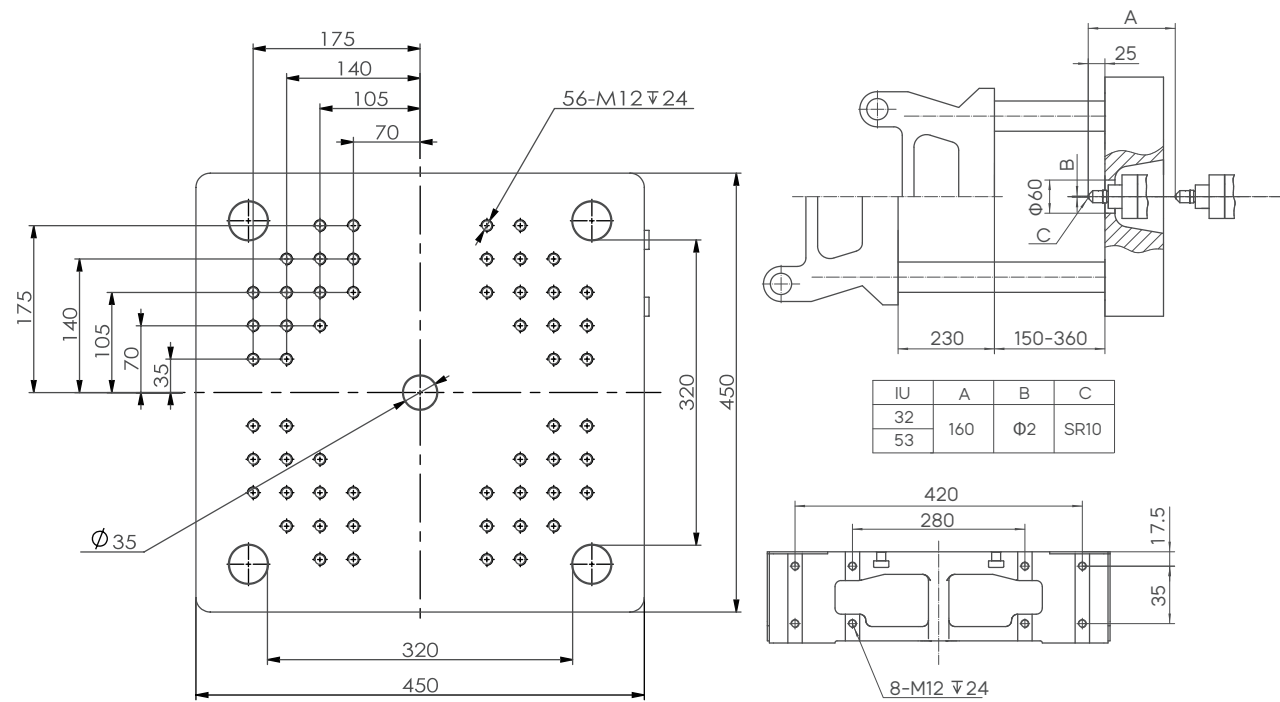
Specifications of FF30M

Descriptions	UNIT	FF30M						
Clamping Unit								
Clamping force	kN	300						
Mold opening/closing stroke	mm	230						
Space between tie bars	mm	320×320						
Mold thickness	mm	150-360						
Ejector stroke	mm	60						
Ejector force	kN	10						
Number of ejectors	-	1						
Injection Unit								
Model of injection unit		IU32			IU53			
International specification		32			53			
		A	B	C	AA	A	B	C
Screw diameter	mm	14	16	19	14	16	19	22
Screw L/D ratio	-	18	18	18	18	18	20	20
Screw stroke	mm	49	56	66	49	56	66	77
Stroke-bore ratio	-	3.5	3.5	3.47	3.5	3.5	3.47	3.5
Shot volume	cm³	7.5	11.3	18.7	7.5	11.3	18.7	29.3
Shot weight (PS)	g	6.9	10.4	17.2	6.9	10.4	17.2	27
Injection pressure	MPa	230	285	200	230	285	285	212
Holding pressure	MPa	200	260	180	200	260	260	180
Injection speed (Std.)	mm/s	300			300			
Injection rate (Std.)	g/s	42	55	78	42	55	78	105
Screw speed	rpm	400			400			
Nozzle contact force	kN	3/7			3/10			
Heating power	kW	1.5	1.9	2.5	1.5	1.9	2.5	3.2
Total power	kw	12.1			16.2			
Total current	A	31.2			37.4			
General								
Dry cycle	s	1.3						
Machine weight	kg	2450						

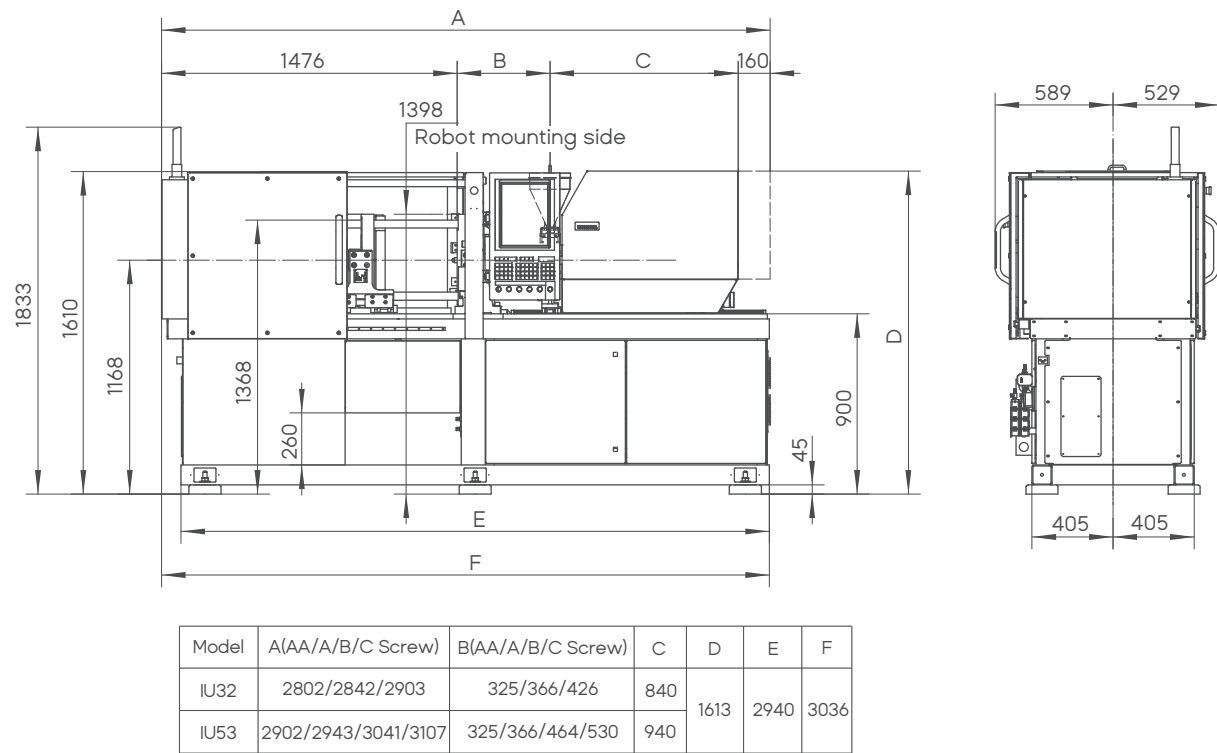
* Injection speed 500mm/s for option

* The data above were acquired by testing in YIZUMI, only for your reference.
YIZUMI reserves the right of final interpretation upon disputes and ambiguities.

Platen Dimensions



Machine Dimensions

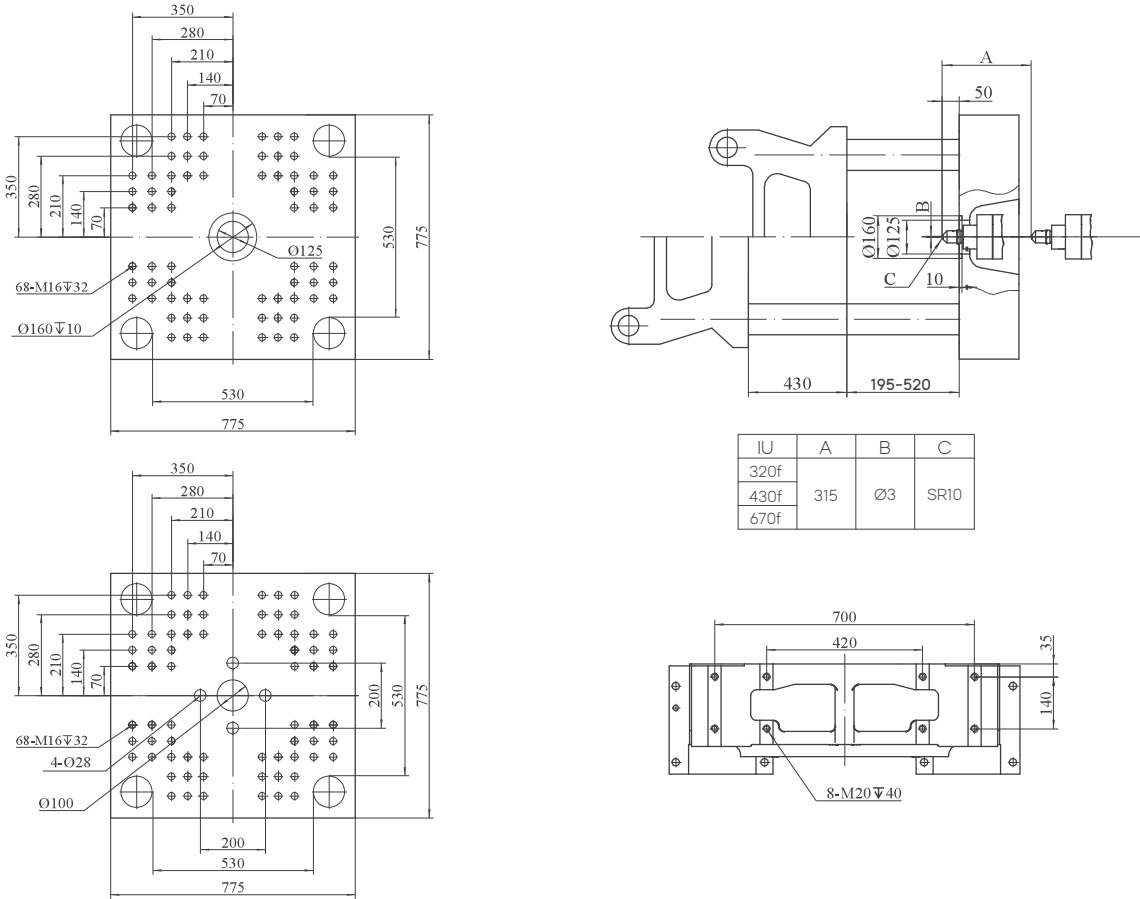


Specifications of FF160M

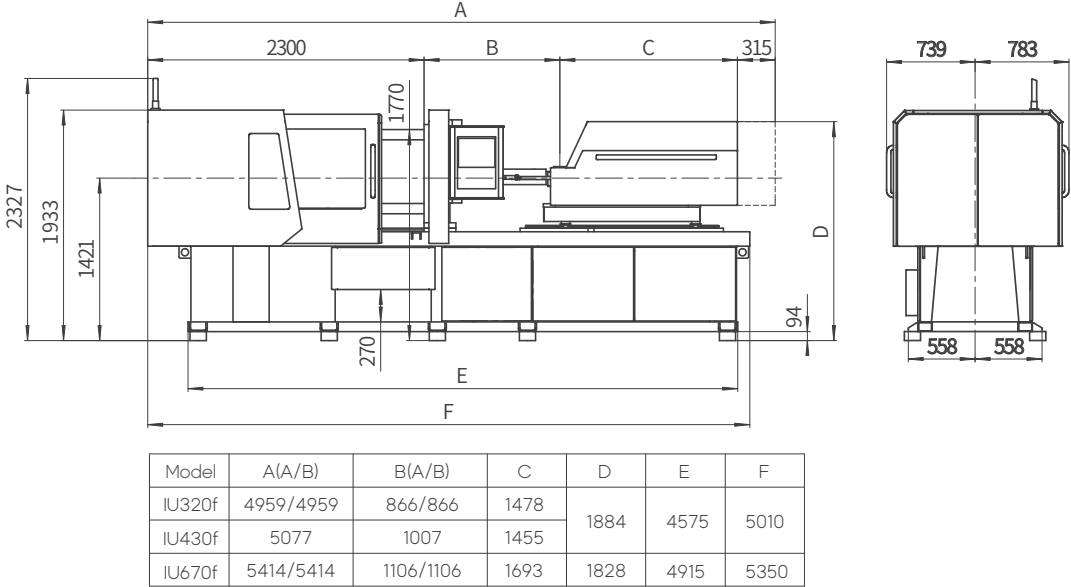
Descriptions	UNIT	IU320f		IU430f		IU670f	
International size		317		427		668	
		A	B	A	B	A	B
INJECTION UNIT							
Screw diameter	mm	30	35	35	40	40	48
Screw L:D ratio	-	24:1	20:1	24:1	20:1	22.3:1	20:1
Screw stroke	mm	165		170		205	
Theoretical shot volume	cm³	117	159	164	214	258	371
Shot weight (PP)	g	84	114	118	154	185	267
Injection pressure	MPa	272	200	261	200	259	180
Holding pressure	MPa	218	160	209	160	207	144
Injection speed	mm/s	350		350		350	
Injection rate	cm³/s	247	337	377	440	440	633
Screw speed	rpm	400		400		350	
Nozzle contact force	kN	30		40		40	
Heating power	kW	7.3		8.9		10.6	10.9
Total power	kW	36.4		48		55.1	
Total current	A	61.4		81		93	
CLAMPING UNIT							
Clamping force	kN	1600					
Opening stroke	mm	430					
Space between tie bars (WxH)	mm	530×530					
Mold thickness (min.-max.)	mm	195-520					
Ejector force	kN	40					
Ejector stroke	mm	125					
Number of ejector pin holes	-	5					
GENERAL							
Machine dimensions (LxWxH)	m	5.01x1.52x2.33		5.01x1.52x2.33		5.35x1.52x2.33	
Machine weight	kg	5850		6300		6380	

Note: 1. Theoretical shot volume= barrel sectional area * injection stroke
2. Shot weight=shot volume * 0.72 (for PP)
3. Due to improvement, specifications may be changed without prior notice.
4. Please let us know if you have engineering-plastics products (PVC, PC or PMMA etc.) or any special requirement.

Platen Dimensions



Machine Dimensions

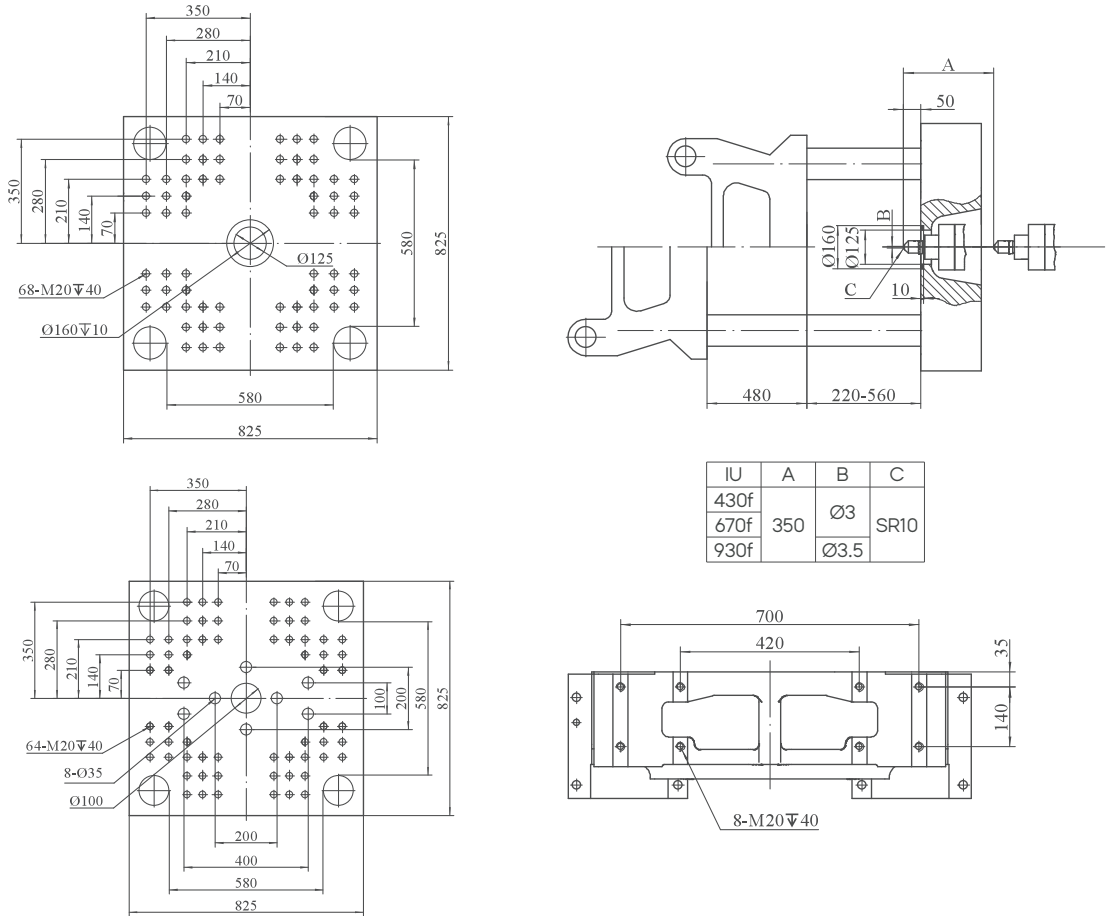


Specifications of FF200M

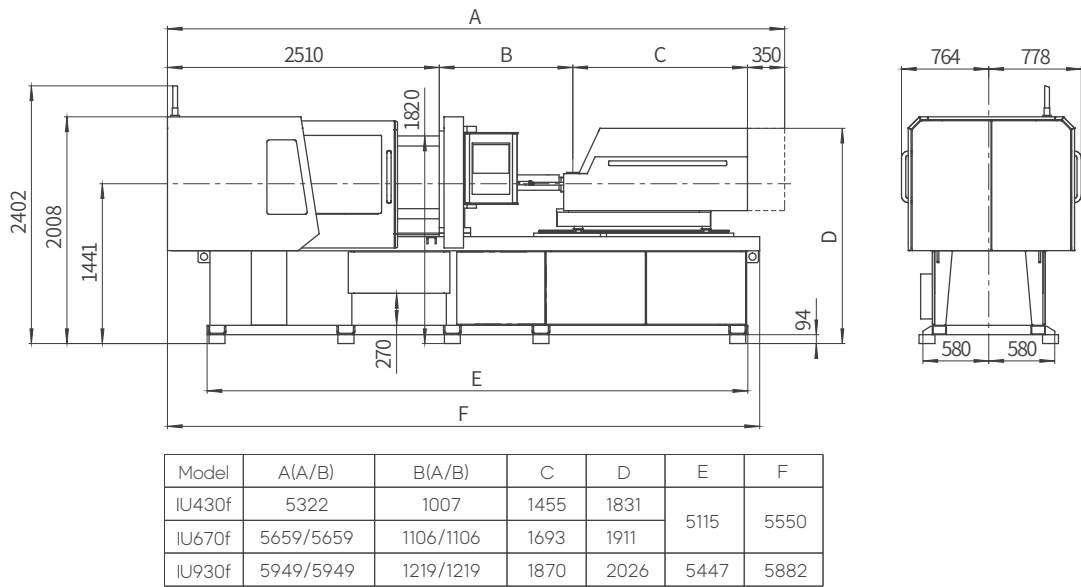
Descriptions	UNIT	IU430f		IU670f		IU930f	
International size		427		668		933	
		A	B	A	B	A	B
INJECTION UNIT							
Screw diameter	mm	35	40	40	48	48	53
Screw L:D ratio	-	24:1	20:1	22.3:1	20:1	22:1	20:1
Screw stroke	mm	170		205		235	
Theoretical shot volume	cm³	164	214	258	371	425	518
Shot weight (PP)	g	118	154	185	267	306	373
Injection pressure	MPa	261	200	259	180	219	180
Holding pressure	MPa	209	160	207	144	176	144
Injection speed	mm/s	350		350		350	
Injection rate	cm³/s	337	440	440	633	633	772
Screw speed	rpm	400		350		320	
Nozzle contact force	kN	40		40		60	
Heating power	kW	8.9		10.6	10.9	13.6	
Total power	kW	48		55.1		111.9	
Total current	A	81		93		188.9	
CLAMPING UNIT							
Clamping force	kN	2000					
Opening stroke	mm	480					
Space between tie bars (WxH)	mm	580x580					
Mold thickness (min.-max.)	mm	220-560					
Ejector force	kN	40					
Ejector stroke	mm	125					
Number of ejector pin holes	-	9					
GENERAL							
Machine dimensions (LxWxH)	m	5.55x1.54x2.41		5.55x1.54x2.41		5.89x1.54x2.41	
Machine weight	kg	6730		6810		7450	

- Note: 1. Theoretical shot volume= barrel sectional area * injection stroke
2. Shot weight=shot volume * 0.72 (for PP)
3. Due to improvement, specifications may be changed without prior notice.
4. Please let us know if you have engineering-plastics products (PVC, PC or PMMA etc.) or any special requirement.

Platen Dimensions



Machine Dimensions

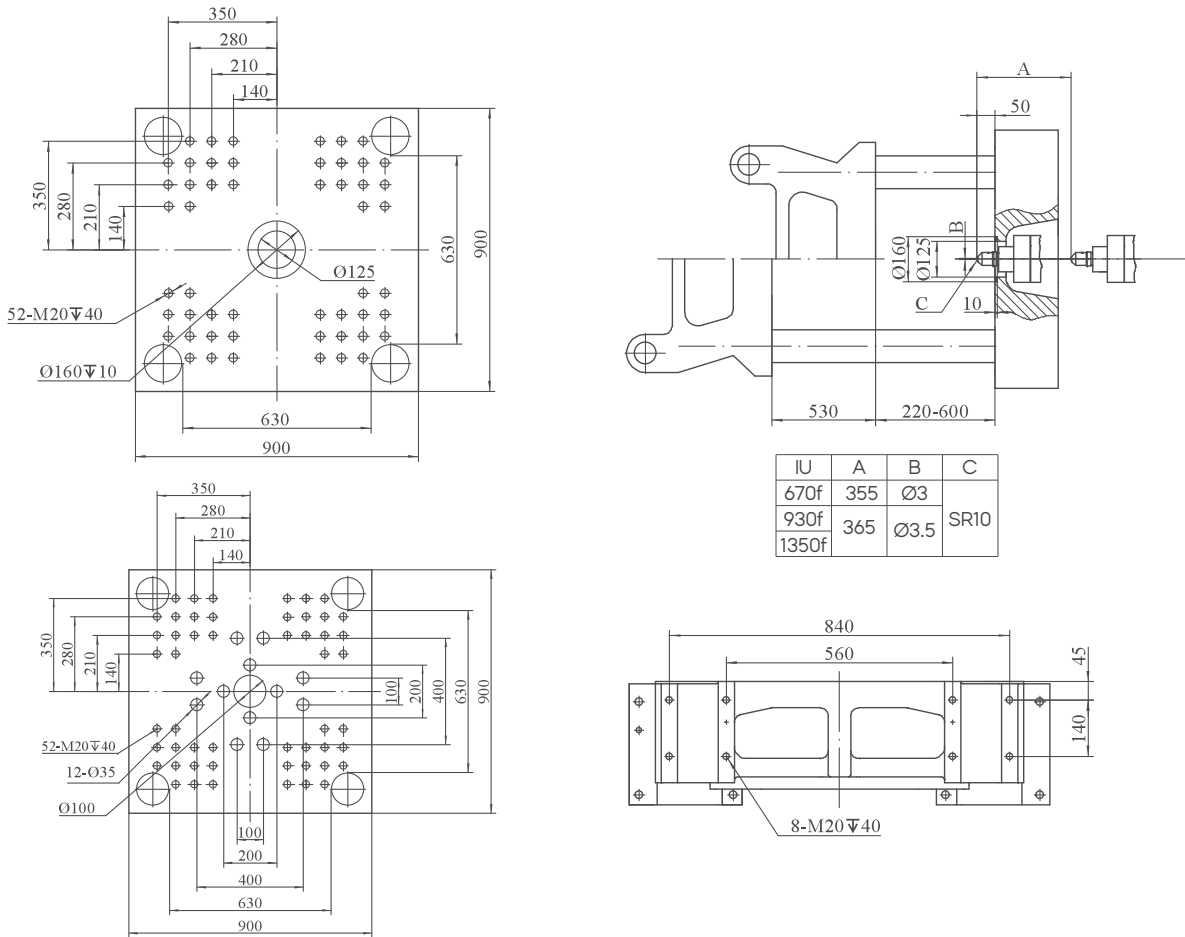


Specifications of FF240M

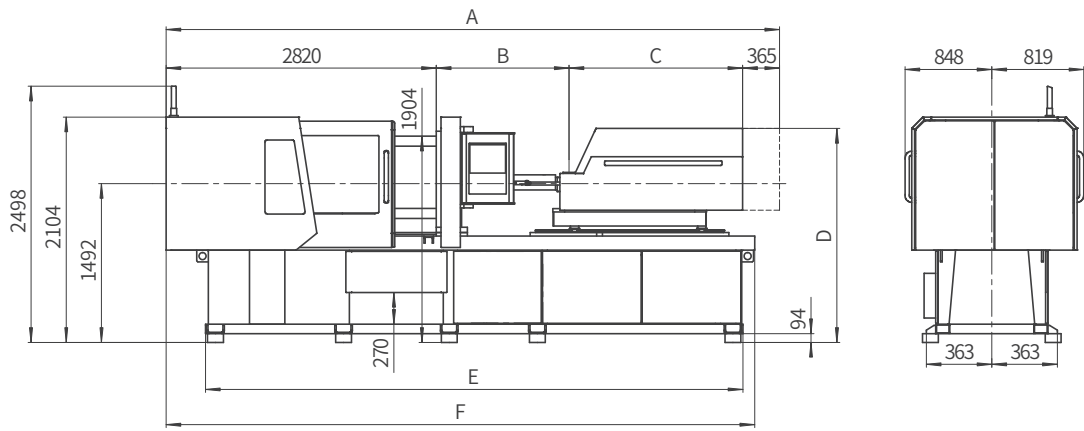
Descriptions	UNIT	IU670f		IU930f		IU1350f	
International size		668		933		1349	
		A	B	A	B	A	B
INJECTION UNIT							
Screw diameter	mm	40	48	48	53	53	60
Screw L:D ratio	-	22.3:1	20:1	22:1	20:1	22.6:1	20:1
Screw stroke	mm	205		235		265	
Theoretical shot volume	cm³	258	371	425	518	585	749
Shot weight (PP)	g	185	267	306	373	421	539
Injection pressure	MPa	259	180	219	180	231	180
Holding pressure	MPa	207	144	176	144	185	144
Injection speed	mm/s	350		350		250	
Injection rate	cm³/s	440	633	633	772	552	707
Screw speed	rpm	350		320		300	
Nozzle contact force	kN	40		60		60	
Heating power	kW	10.6	10.9	13.6		16.4	
Total power	kW	61		111.9		119.7	
Total current	A	103		188.9		202	
CLAMPING UNIT							
Clamping force	kN	2400					
Opening stroke	mm	530					
Space between tie bars (WxH)	mm	630x630					
Mold thickness (min.-max.)	mm	220-600					
Ejector force	kN	55.6					
Ejector stroke	mm	150					
Number of ejector pin holes	-	13					
GENERAL							
Machine dimensions (LxWxH)	m	6.19x1.67x2.50		6.19x1.67x2.50		6.82x1.67x2.50	
Machine weight	kg	9200		9840		10950	

Note: 1. Theoretical shot volume= barrel sectional area * injection stroke
2. Shot weight=shot volume * 0.72 (for PP)
3. Due to improvement, specifications may be changed without prior notice.
4. Please let us know if you have engineering-plastics products (PVC, PC or PMMA etc.) or any special requirement.

Platen Dimensions



Machine Dimensions



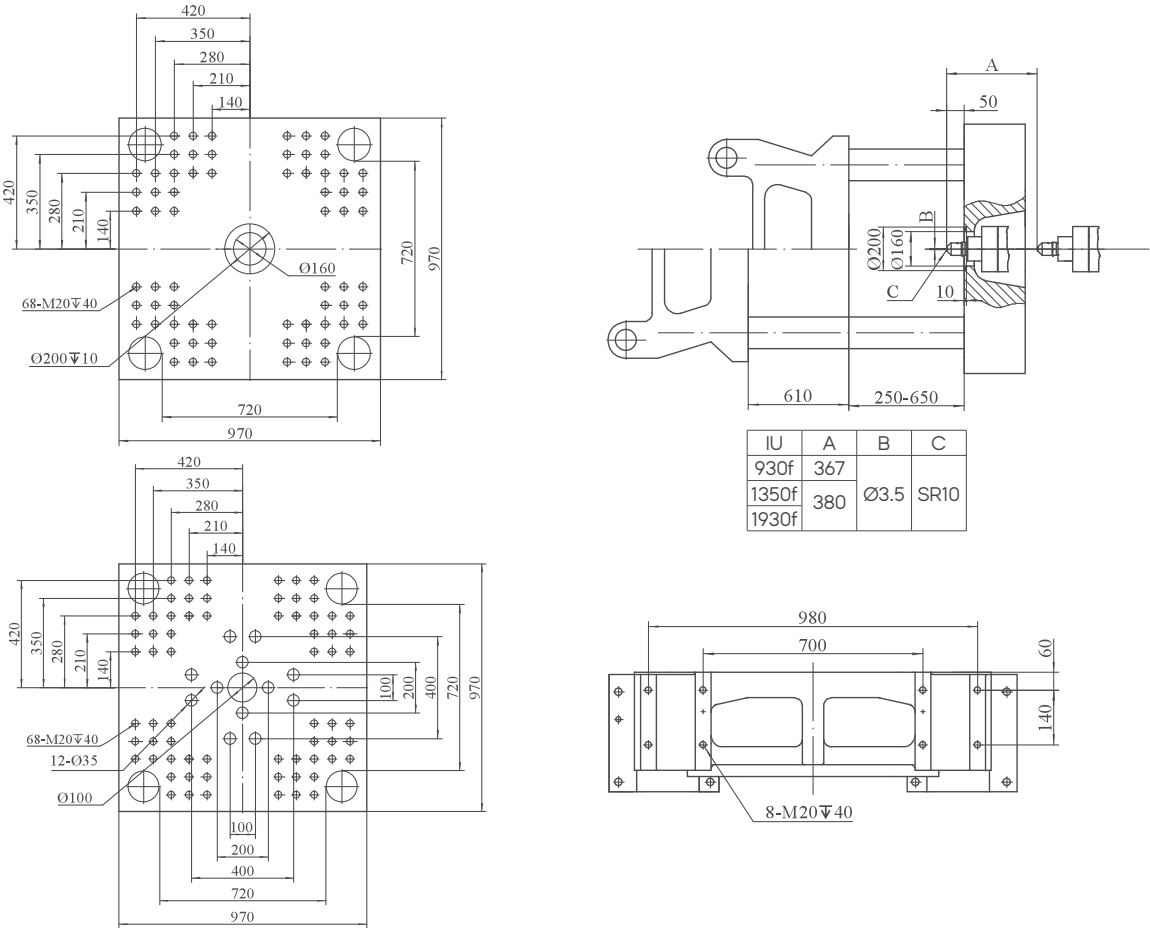
Model	A(A/B)	B(A/B)	C	D	E	F
IU670f	5924/5984	1046/1106	1693	1965	5705	6190
IU930f	6274/6274	1219/1219	1870	2078		
IU1350f	6799/6799	1391/1391	2223	2114	6335	6820

Specifications of FF300M

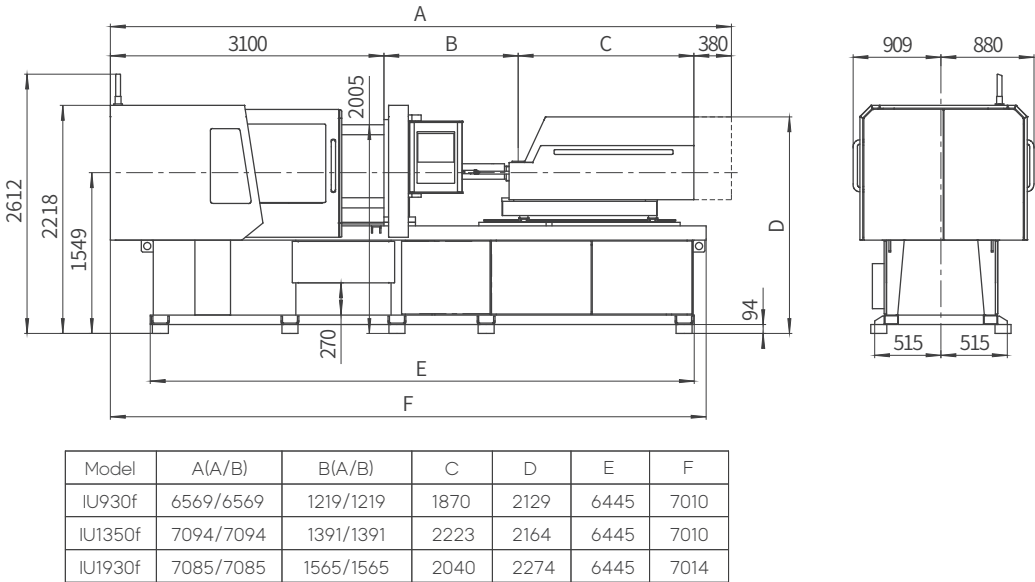
Descriptions	UNIT	IU930f		IU1350f		IU1930f	
International size		933		1349		1928	
		A	B	A	B	A	B
INJECTION UNIT							
Screw diameter	mm	48	53	53	60	60	68
Screw L:D ratio	-	22:1	20:1	22.6:1	20:1	22.6:1	20:1
Screw stroke	mm	235		265		295	
Theoretical shot volume	cm³	425	518	585	749	834	1071
Shot weight (PP)	g	306	373	421	539	601	771
Injection pressure	MPa	219	180	231	180	231	180
Holding pressure	MPa	176	144	185	144	185	144
Injection speed	mm/s	350		250		250	
Injection rate	cm³/s	633	772	552	707	707	908
Screw speed	rpm	320		300		250	
Nozzle contact force	kN	60		60		60	
Heating power	kW	13.6		16.4		22.2	
Total power	kW	111.9		119.7		136.8	
Total current	A	188.9		202		231	
CLAMPING UNIT							
Clamping force	kN	3000					
Opening stroke	mm	610					
Space between tie bars (WxH)	mm	720x720					
Mold thickness (min.-max.)	mm	250-650					
Ejector force	kN	55.6					
Ejector stroke	mm	150					
Number of ejector pin holes	-	13					
GENERAL							
Machine dimensions (LxWxH)	m	7.01x1.79x2.61		7.01x1.79x2.61		7.14x1.79x2.61	
Machine weight	kg	11370		12480		12900	

Note: 1. Theoretical shot volume= barrel sectional area * injection stroke
2. Shot weight=shot volume * 0.72 (for PP)
3. Due to improvement, specifications may be changed without prior notice.
4. Please let us know if you have engineering-plastics products (PVC, PC or PMMA etc.) or any special requirement.

Platen Dimensions



Machine Dimensions

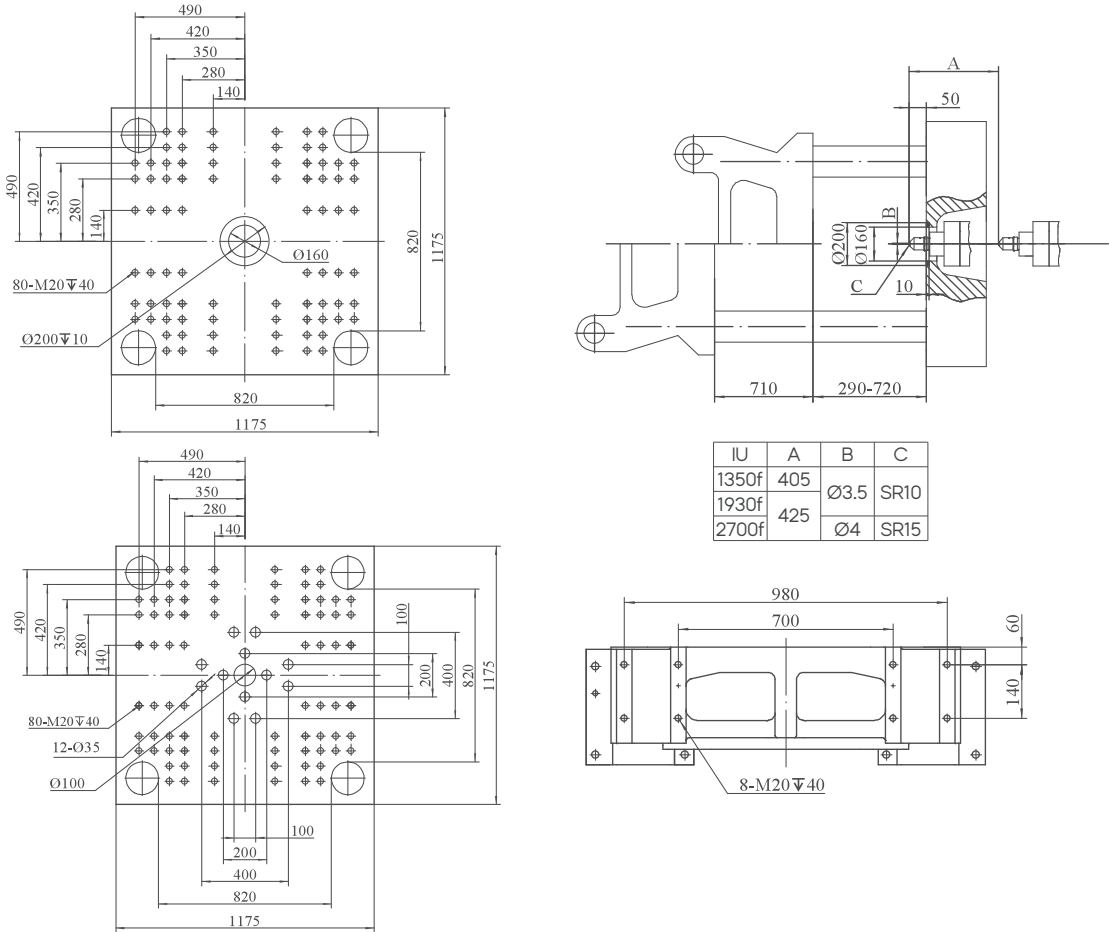


Specifications of FF380M

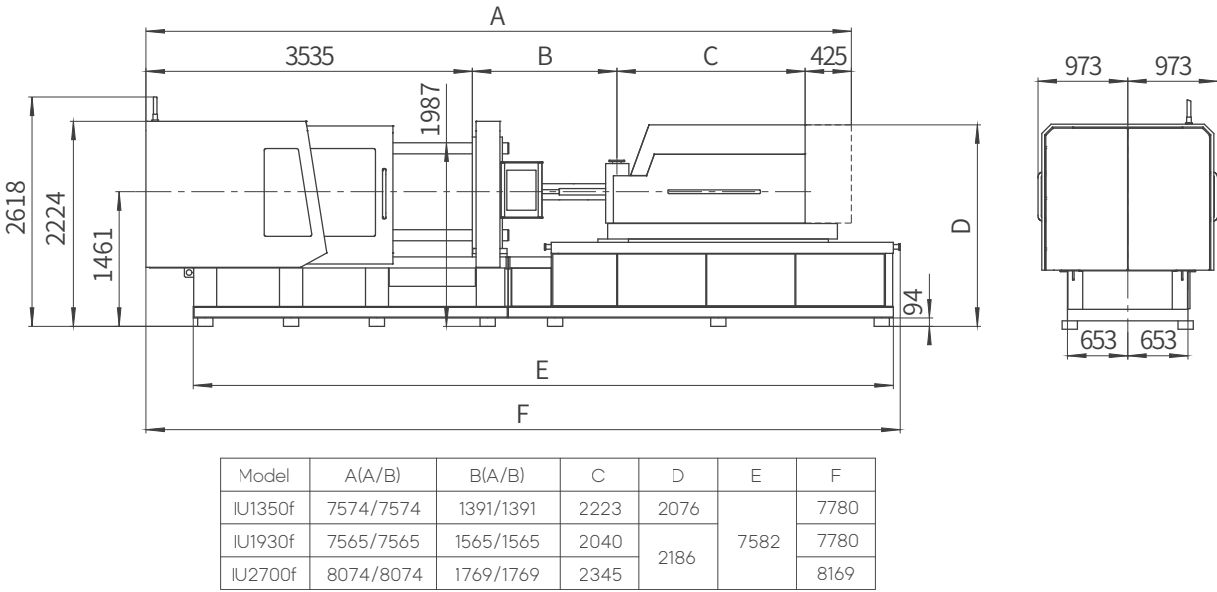
Descriptions	UNIT	IU1350f		IU1930f		IU2700f	
International size		1349		1928		2695	
		A	B	A	B	A	B
INJECTION UNIT							
Screw diameter	mm	53	60	60	68	68	76
Screw L:D ratio	-	22.6:1	20:1	22.6:1	20:1	22.3:1	20:1
Screw stroke	mm	265		295		330	
Theoretical shot volume	cm³	585	749	834	1071	1198	1497
Shot weight (PP)	g	421	539	601	771	863	1078
Injection pressure	MPa	231	180	231	180	225	180
Holding pressure	MPa	185	144	185	144	180	144
Injection speed	mm/s	250		250		200	
Injection rate	cm³/s	552	707	707	908	726	907
Screw speed	rpm	300		250		200	
Nozzle contact force	kN	60		60		100	
Heating power	kW	16.4		22.2		26.3	
Total power	kW	119.7		136.8		162.3	
Total current	A	202		231		274	
CLAMPING UNIT							
Clamping force	kN	3800					
Opening stroke	mm	710					
Space between tie bars (WxH)	mm	820×820					
Mold thickness (min.-max.)	mm	290-720					
Ejector force	kN	99					
Ejector stroke	mm	200					
Number of ejector pin holes	-	13					
GENERAL							
Machine dimensions (LxWxH)	m	7.78x1.95x2.62		7.78x1.95x2.62		8.17x1.95x2.62	
Machine weight	kg	16880		17300		18690	

Note: 1. Theoretical shot volume= barrel sectional area * injection stroke
2. Shot weight=shot volume * 0.72 (for PP)
3. Due to improvement, specifications may be changed without prior notice.
4. Please let us know if you have engineering-plastics products (PVC, PC or PMMA etc.) or any special requirement.

Platen Dimensions



Machine Dimensions

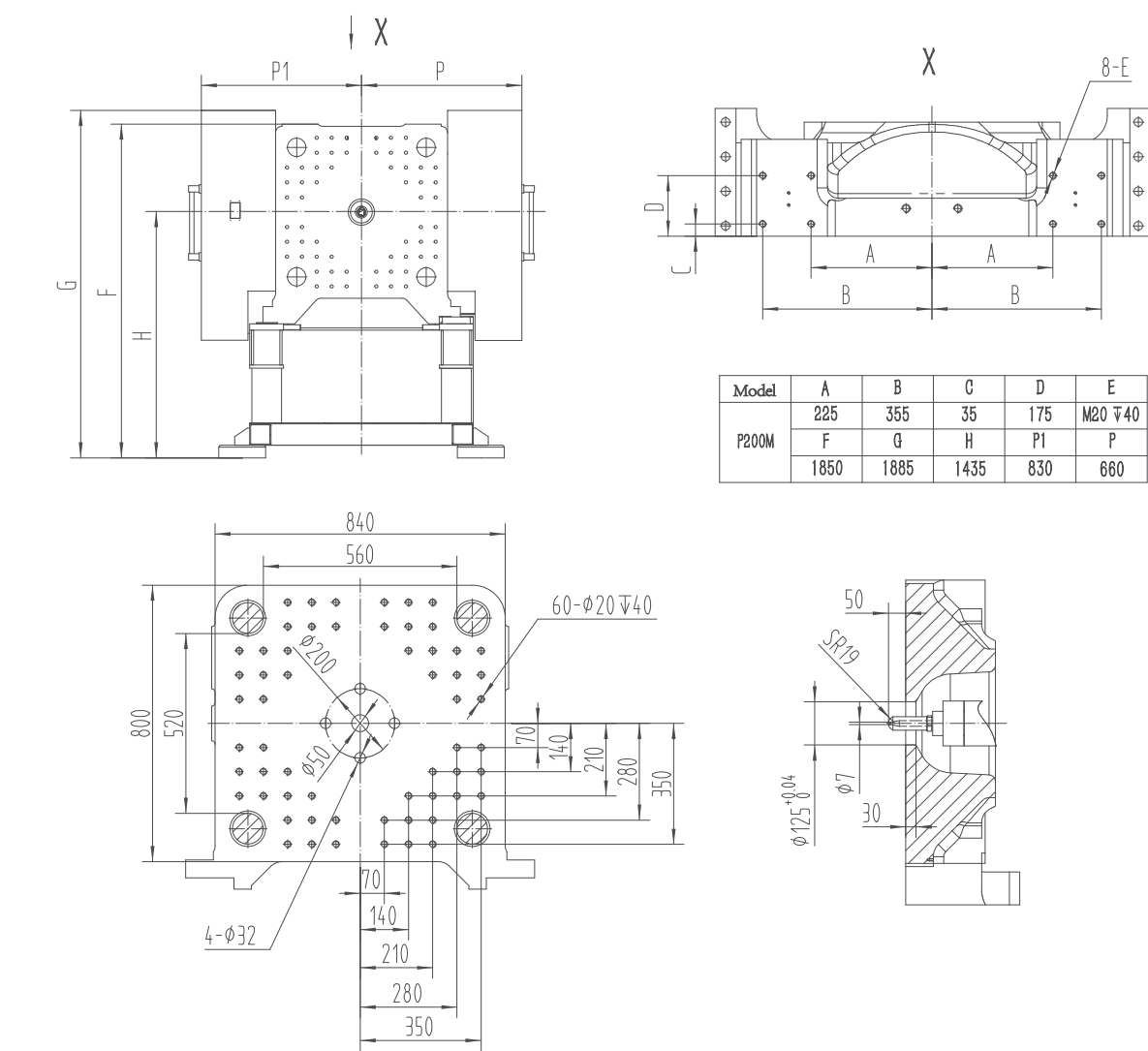


Specifications of P200M

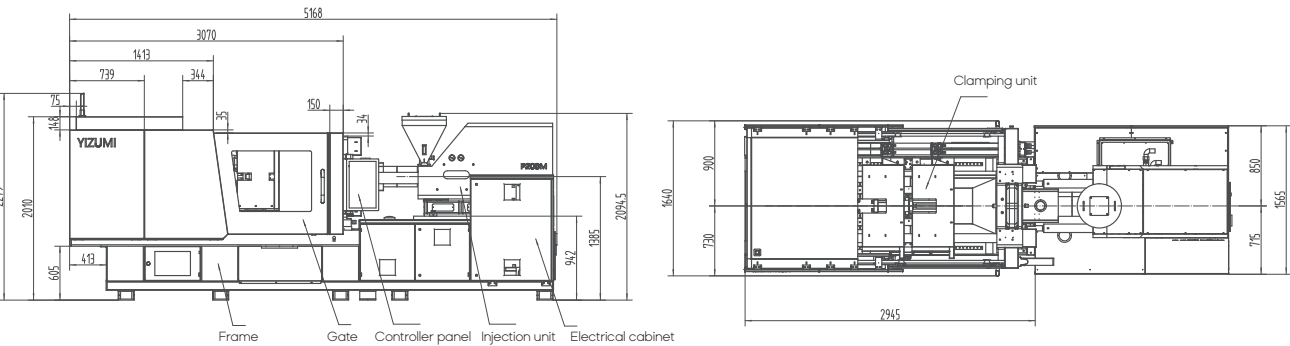
Descriptions	UNIT	P200M	
International size		440/2000	
INJECTION UNIT			
Screw diameter	mm	40	45
Screw L:D ratio	-	20:1	
Screw stroke	mm	176	
Theoretical shot volume	cm³	221	280
Shot weight (PP)	g	159	201
	oz	5.6	7.1
Injection pressure	MPa	199	157
Injection speed	mm/s	247	
Screw speed	r/min	0-300	
CLAMPING UNIT			
Clamping force	kN	2000	
Opening stroke	mm	500	
Space between tie bars (WxH)	mmxmm	560×520	
Mold thickness (min.-max.)	mm	200-550	
Max. daylight	mm	1050	
Ejector force	kN	77	
Ejector stroke	mm	150	
Number of ejector pin holes	-	5	
POWER UNIT			
Max. system pressure	MPa	17.5	
Motor power	kW	55	
Heating power	kW	9.5	10
Number of temperature control zones	-	5	
GENERAL			
Oil tank capacity	l	500	
Machine dimensions (LxWxH)	m	5.17x1.64x2.28	
Machine weight	kg	7500	

Note: 1. Theoretical shot volume= barrel sectional area * injection stroke
2. Shot weight=shot volume * 0.72 (for PP)
3. Due to improvement, specifications may be changed without prior notice.
4. Please let us know if you have engineering-plastics products (PVC, PC or PMMA etc.) or any special requirement.

Platen Dimensions



Machine Dimensions

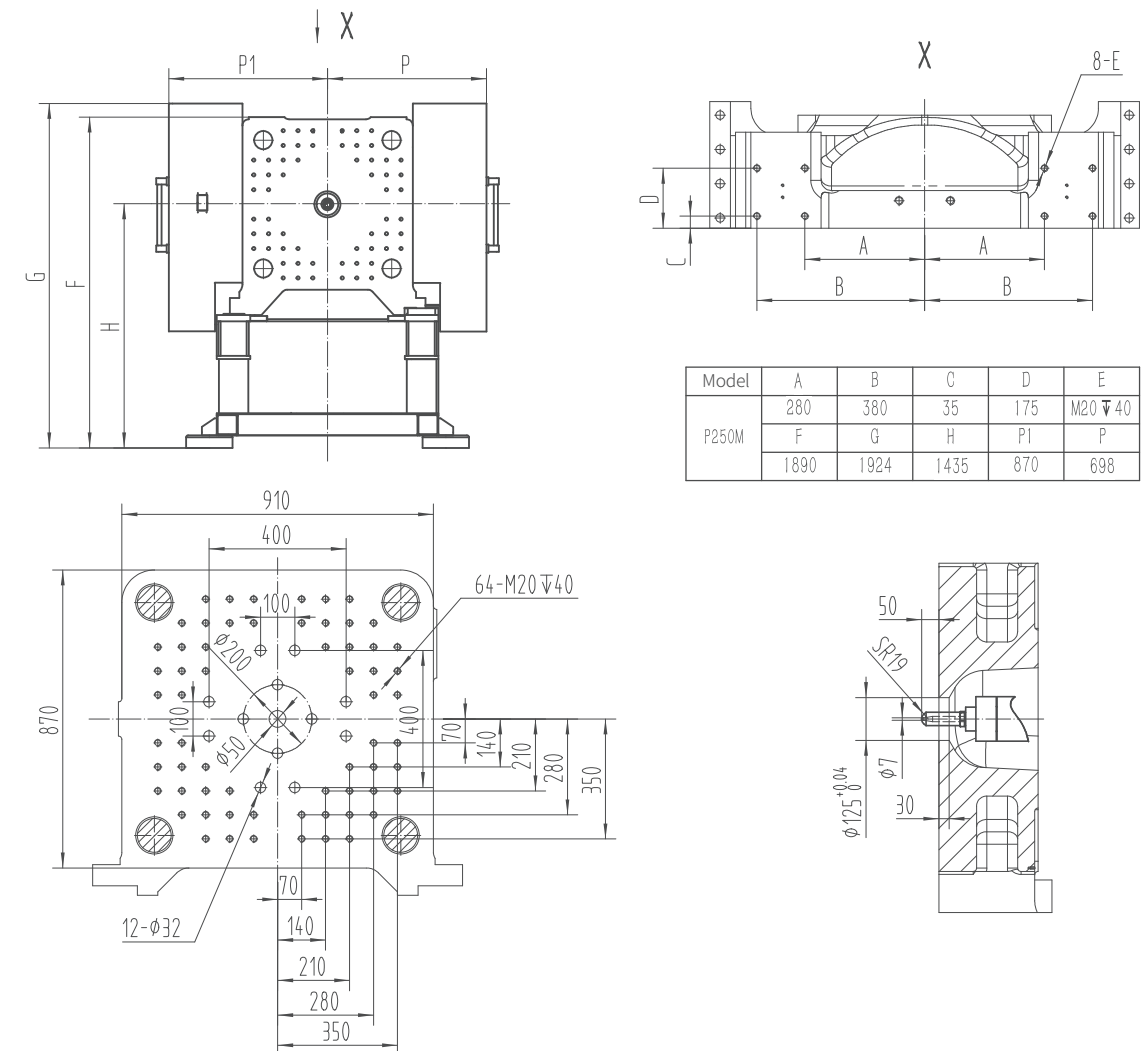


Specifications of P250M

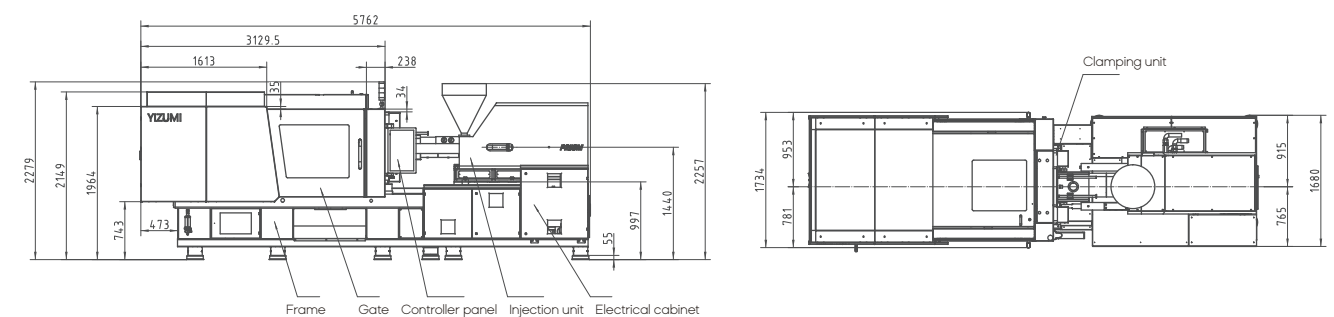
Descriptions	UNIT	P250M	
International size		840/2500	
INJECTION UNIT			
Screw diameter	mm	50	55
Screw L:D ratio	-	20:1	
Screw stroke	mm	225	
Theoretical shot volume	cm³	441	534
Shot weight (PP)	g	318	384
	oz	11.2	13.5
Injection pressure	MPa	191	157
Injection speed	mm/s	212	
Screw speed	r/min	0-300	
CLAMPING UNIT			
Clamping force	kN	2500	
Opening stroke	mm	560	
Space between tie bars (WxH)	mmxmm	620×580	
Mold thickness (min.-max.)	mm	250-600	
Max. daylight	mm	1160	
Ejector force	kN	137	
Ejector stroke	mm	180	
Number of ejector pin holes	-	13	
POWER UNIT			
Max. system pressure	MPa	17.5	
Motor power	kW	63	
Heating power	kW	15	20
Number of temperature control zones	-	5	
GENERAL			
Oil tank capacity	l	650	
Machine dimensions (LxWxH)	m	5.76x1.73x2.28	
Machine weight	kg	10500	

Note: 1. Theoretical shot volume= barrel sectional area * injection stroke
2. Shot weight=shot volume * 0.72 (for PP)
3. Due to improvement, specifications may be changed without prior notice.
4. Please let us know if you have engineering-plastics products (PVC, PC or PMMA etc.) or any special requirement.

Platen Dimensions



Machine Dimensions



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