

WE WALK ALONGSIDE THE WORLD

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YIZUMI伊之密

MultiPro

Two-platen Multi-component Injection Molding Machine

Modular design for easy combination

Guangdong Yizumi Precision Injection Molding and Die Casting Technology Co., Ltd.

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Disclaimer:

1. Our company reserves the right to improve these products, which are subject to change without prior notice.
2. These pictures are for reference only. The actual products might look slightly different.
3. The data come from Yizumi's factory test. They are for reference only as they might not be the latest data. Please check the data of the actual products.



To be the industry's best cost-effective solution provider with leading technology

Guangdong Yizumi Precision Machinery Co., Ltd. was founded in Guangdong, China in 2002. It has spread its wings all over the world. Specializing in the high polymer material and metal forming industry, YIZUMI has currently established various commercial divisions, namely, injection molding machine, die casting machine, rubber injection machine, high-speed packaging machine and robotic automation system, etc. YIZUMI offers a one-stop solution as an equipment supplier, integrating the functions of design, research and development, manufacturing, sales and customer service.

Global Operation

YIZUMI has established 3 major production bases in Gaoli, Wusha (Shunde) and Wujiang (Suzhou) in China, achieving a comprehensive upgrade of production capacity. In addition, YIZUMI has built up production bases in America and India. And set up a number of technical service centers, R&D centers and sales outlets around the world to achieve the global operation strategy.

WE WALK
ALONGSIDE
THE
WORLD

3.533 billion

The total sales volume of YIZUMI in 2021 exceeded CNY 3.533 billion, up 29.97% year on year, maintaining a steady growth for four consecutive years

70+

Owens over 40 global sales and service representatives, business covers over 70 countries and regions

600000m²

600000m² of total worldwide manufacturing floor space

>>

810 million

The export sales of YIZUMI totaled CNY 810 million in 2021

3000+

Over 3,000 employees globally



China Gaoli Headquarter and Factory



China Wusha Factory 1



China Wusha Factory 2



China Wusha Factory 3



China Wujiang Factory



Germany Aachen R&D Center and Technical Center



New India Gujarat Factory



Germany Nuremberg Technical Center



U.S. Ohio Factory & Technical Center



Brazil Technical Center



Indian Gujarat Factory



Vietnam Technical Center



India Technical Center



Germany Lippstadt Technical Center



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Innovative Manufacturer of high-end multi-component injection molding

Based on advanced technology, multi-component molding is available by the combination of injection units. Yizumi MultiPro molding process can help multi-component production by just adding one processing step. Yizumi has been always in leading position in multi-component molding, providing with high-end solution.



We Walk
Alongside The
World

Widely used in various industries:



Auto grill



Auto door panel



Auto tail light



Auto headlight



Auto sunroof



Auto interior and exterior trimming



Appliance panel



Appliance frame

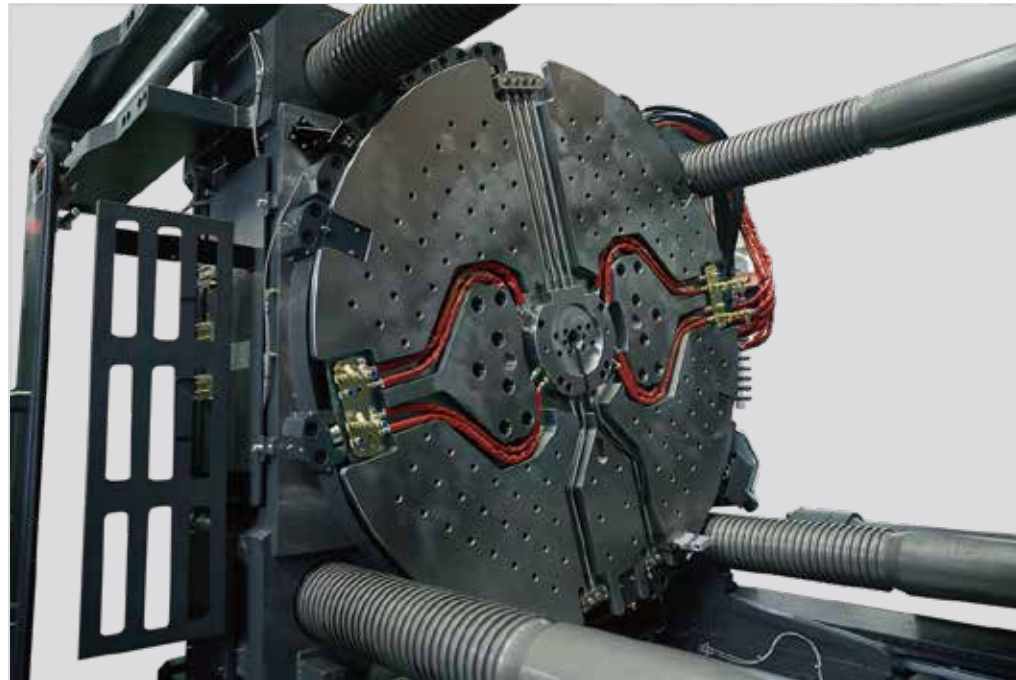


Notebook parts



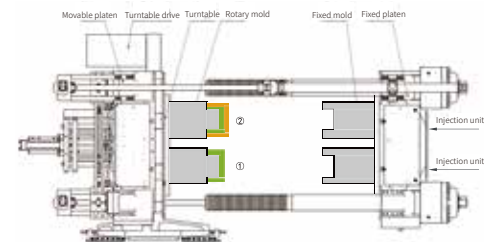
Bathroom products

Vertical turntable



Operating principle

After simultaneous injection by A unit and B unit, the product is ejected. Then the turntable rotates vertically by 180 degrees and the mold is closed for next-round injection. When the mold is finally opened, the molding process of two stations is completed. The rotary degree of turntable is set at 180 degrees in forward and reverse direction.



Feature

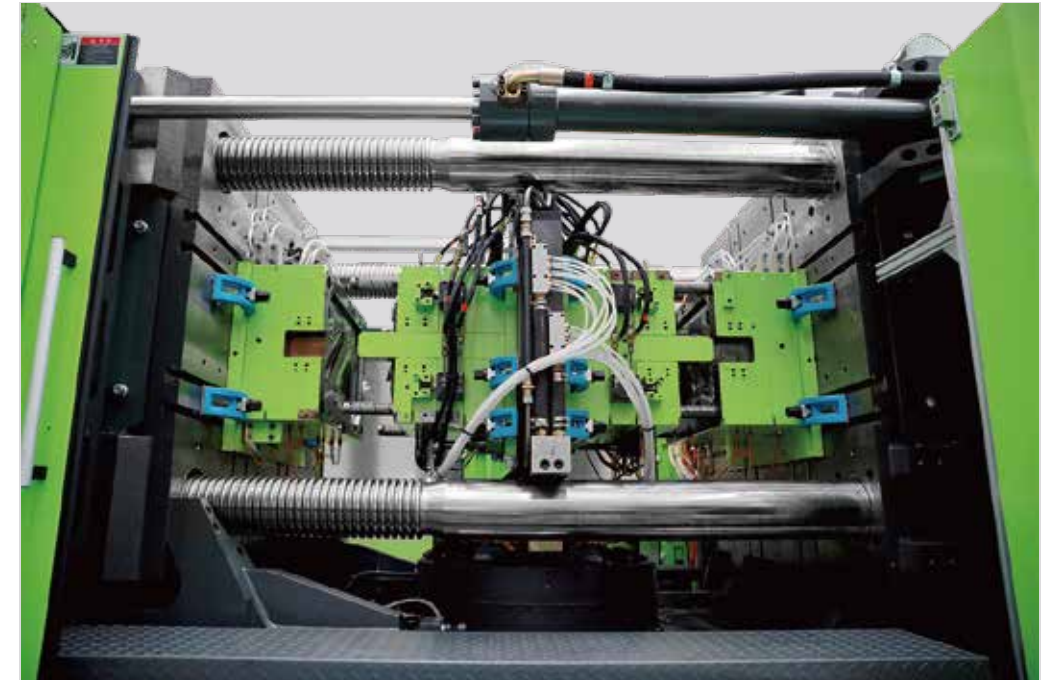
- Station exchange can be achieved by rotating the turntable vertically.
- Good compatibility and mature mold technology, with wider application.

Application

- Widely applied in the production of multi-component products, such as auto taillight, center console panel, interior and exterior parts, appliance shell, notebook parts, etc.

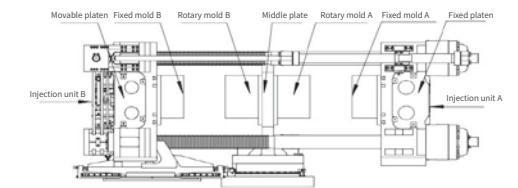


Horizontal turntable



Operating principle

Injection unit B is moved along with the movable platen. The process of mold opening and closing is completed with the movement cooperation of movable platen and horizontal turntable. After mold closing, the injection by unit A and B is carried out as per process requirement. And the product is finally ejected by the core-pulling unit of middle plate or ejection unit after mold opening.



Feature

- Station exchange can be achieved by rotating the turntable horizontally.
- Compared with vertical turntable, horizontal turntable can help machine double the production capacity with the same clamping force setting; or largely reduce clamping force under the same production capacity as required.

Application

- Widely applied in the production of multi-component products, such as auto sunroof, side window, A-pillar, B-pillar, headlight, grill, door panel, center console screen, appliance panel, outer frame.



Vertical Turntable+P Type Combination

P type combination for two-color molding

- Description: Parallel combination for two-color molding
- Combination: H + P
- Feature: It is suitable for short nozzle center distance. The nozzle center distance is adjustable. The injection unit can be moved for centering.



D1M Series Two-platen Multi-component IMM																																				
Injection unit	300		420			630			930			1310			1870			3100			3900			5000			7000			9200			13200			
Screw	30	35	40	35	43	48	43	48	53	48	53	60	53	60	68	60	68	76	68	76	84	76	84	92	84	92	108	92	100	116	100	108	125	116	125	135
P type injection unit																																				
UN500D1M	[Green]													[Yellow]																						
UN700D1M	[Green]													[Yellow]																						
UN900D1M	[Green]													[Yellow]																						
UN1100D1M	[Green]													[Yellow]																						
UN1200D1M	[Green]													[Yellow]																						
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UN1400D1M	[Green]													[Yellow]																						
UN1600D1M	[Green]													[Yellow]																						
UN1850D1M	[Green]													[Yellow]																						
UN2100D1M	[Green]													[Yellow]																						
UN2400D1M	[Green]													[Yellow]																						

● H type injection unit ● P type injection unit

DPM Series Two-platen Multi-component IMM																																				
Injection unit	300		420			630			930			1310			1870			3100			3900			5000			7000			9200			13200			
Screw	30	35	40	35	43	48	43	48	53	48	53	60	53	60	68	60	68	76	68	76	84	76	84	92	84	92	108	92	100	116	100	108	125	116	125	135
P type injection unit																																				
UN500DPM	[Green]													[Yellow]																						
UN700DPM	[Green]													[Yellow]																						
UN900DPM	[Green]													[Yellow]																						
UN1100DPM	[Green]													[Yellow]																						
UN1500DPM	[Green]													[Yellow]																						
UN1850DPM	[Green]													[Yellow]																						
UN2300DPM	[Green]													[Yellow]																						
UN2850DPM	[Green]													[Yellow]																						
UN3200DPM	[Green]													[Yellow]																						

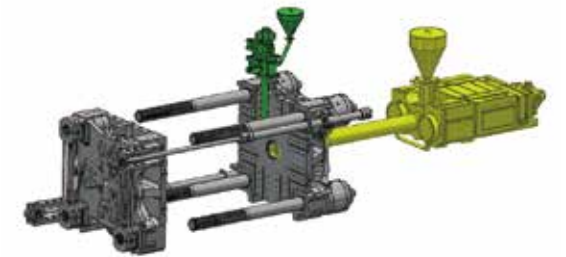
● H type injection unit ● P type injection unit

※ All the data herein come from Yizumi's factory. Please check the data of the actual customized equipment.

Vertical Turntable+V Type Combination

V type combination for two-color molding

- Description: Vertical combination for two-color molding
- Combination: H + V
- Feature: It is suitable for the production of multi-component products requiring less injection volume.



D1M Series Two-platen Multi-component IMM														
Injection unit	190		295			420			604			895		
Screw	22	26	30	35	40	35	43	48	43	48	53	43	48	53
V type injection unit														
UN500D1M	[Green]													
UN700D1M	[Green]													
UN900D1M	[Green]													
UN1100D1M	[Green]													
UN1200D1M	[Green]													
UN1300D1M	[Green]													
UN1400D1M	[Green]													
UN1600D1M	[Green]													
UN1850D1M	[Green]													
UN2100D1M	[Green]													
UN2400D1M	[Green]													

Specification of H type injection unit is the same as that of D1 injection unit.

DPM Series Two-platen Multi-component IMM														
Injection unit	190		295			420			604			895		
Screw	22	26	30	35	40	35	43	48	43	48	53	43	48	53
V type injection unit														
UN500DPM	[Green]													
UN700DPM	[Green]													
UN900DPM	[Green]													
UN1100DPM	[Green]													
UN1500DPM	[Green]													
UN1850DPM	[Green]													
UN2300DPM	[Green]													
UN2850DPM	[Green]													
UN3200DPM	[Green]													

Specification of H type injection unit is the same as that of DP injection unit.

※ All the data herein come from Yizumi's factory. Please check the data of the actual customized equipment.

Vertical Turntable+W Type Combination

W type combination for two-color molding

- Description: Piggyback combination for two-color molding
- Combination: H + W
- Feature: It is suitable for the production of multi-component products requiring highly space-saving.



D1M Series Two-platen Multi-component IMM																														
Injection unit	190		295			420			604			895		1269		1885		2695		3330		4800								
Screw	22	26	30	35	40	35	43	48	43	48	53	43	48	53	53	60	68	60	68	76	68	76	84	76	84	92	84	92	100	108
H type Injection Unit	W type injection unit																													
895	43	■																												
	48	■																												
	53	■																												
1269	53	■																												
	60	■																												
	68	■																												
1885	60	■																												
	68	■																												
	76	■																												
2695	68	■																												
	76	■																												
	84	■																												
3330	76	■																												
	84	■																												
	92	■																												
4800	84	■																												
	92	■																												
	100	■																												
6800	108	■																												
	92	■																												
	100	■																												
9000	108	■																												
	116	■																												
	125	■																												
10900	108	■																												
	116	■																												
	125	■																												
14500	135	■																												
	125	■																												
	145	■																												
18500	135	■																												
	145	■																												
	155	■																												
23750	165	■																												
	145	■																												
	155	■																												
37500	165	■																												
	185	■																												
	200	■																												
50000	200	■																												

Specification of H type injection unit is the same as that of D1 injection unit.

※ All the data herein come from Yizumi's factory. Please check the data of the actual customized equipment.

DPM Series Two-platen Multi-component IMM																													
Injection unit	190		295			420			604			895			1269		1885		2695		3330		4800						
Screw	22	26	30	35	40	35	43	48	43	48	53	43	48	53	53	60	68	60	68	76	68	76	84	76	84	92	84	92	100
H type Injection Unit	W type injection unit																												
895	43	■																											
	48	■																											
	53	■																											
1269	53	■																											
	60	■																											
	68	■																											
1885	60	■																											
	68	■																											
	76	■																											
2695	68	■																											
	76	■																											
	84	■																											
3330	76	■																											
	84	■																											
	92	■																											
4800	84	■																											
	92	■																											
	100	■																											
6150	92	■																											
	100	■																											
	108	■																											
9000	100	■																											
	108	■																											
	116	■																											
12050	116	■																											
	125	■																											
	135	■																											
18500	135	■																											
	145	■																											
	155	■																											
23750	145	■																											
	155	■																											
	165	■																											
31750	155	■																											
	165	■																											
	180	■																											
44500	180	■																											
	190	■																											
	200	■																											
54500	190	■																											
	200	■																											
	215	■																											
75500	215	■																											
	230	■																											
	245	■																											
100000	230	■																											
	245	■																											
	260	■																											

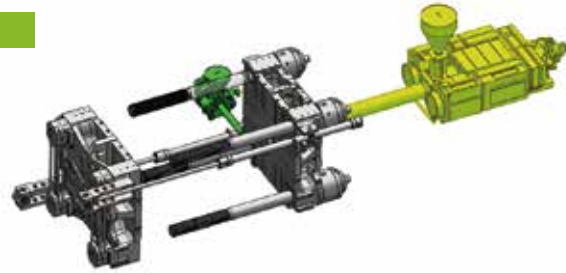
Specification of H type injection unit is the same as that of DP injection unit.

※ All the data herein come from Yizumi's factory. Please check the data of the actual customized equipment.

Vertical Turntable+L Type Combination

L type combination for two-color molding

- Description: L-shaped combination for two-color molding
- Combination: H + L
- Feature: Highly flexible, secondary injection unit is easy to disassemble and move.



D1M Series Two-platen Multi-component IMM																														
Injection unit	190		295			420			604			895			1269			1885			2695			3330			4800			
Screw	22	26	30	35	40	35	43	48	43	48	53	43	48	53	53	60	68	60	68	76	68	76	84	76	84	92	84	92	100	108
L type injection unit																														
UN500D1M	[Green]																													
UN700D1M	[Green]																													
UN900D1M	[Green]																													
UN1100D1M	[Green]																													
UN1200D1M	[Green]																													
UN1300D1M	[Green]																													
UN1400D1M	[Green]																													
UN1600D1M	[Green]																													
UN1850D1M	[Green]																													
UN2100D1M	[Green]																													
UN2400D1M	[Green]																													

Specification of H type injection unit is the same as that of D1 injection unit.

DPM Series Two-platen Multi-component IMM																														
Injection unit	190		295			420			604			895			1269			1885			2695			3330			4800			
Screw	22	26	30	35	40	35	43	48	43	48	53	43	48	53	53	60	68	60	68	76	68	76	84	76	84	92	84	92	100	108
L type injection unit																														
UN500DPM	[Green]																													
UN700DPM	[Green]																													
UN900DPM	[Green]																													
UN1100DPM	[Green]																													
UN1500DPM	[Green]																													
UN1850DPM	[Green]																													
UN2300DPM	[Green]																													
UN2850DPM	[Green]																													
UN3200DPM	[Green]																													

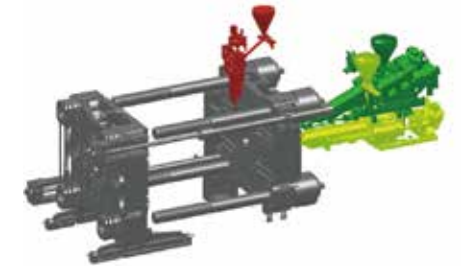
Specification of H type injection unit is the same as that of DP injection unit.

※ All the data herein come from Yizumi's factory. Please check the data of the actual customized equipment.

Vertical Turntable+W-V Type Combination

W-V type combination for three-color molding

- Description: Piggyback/Vertical combination for three-color molding
- Combination: H+W+V
- Feature: Small floor area and compact layout.



D1M Series Two-platen Multi-component IMM														
Injection unit	190		295			420			604			895		
Screw	22	26	30	35	40	35	43	48	43	48	53	43	48	53
V type injection unit														
UN500D1M	[Green]													
UN700D1M	[Green]													
UN900D1M	[Green]													
UN1100D1M	[Green]													
UN1200D1M	[Green]													
UN1300D1M	[Green]													
UN1400D1M	[Green]													
UN1600D1M	[Green]													
UN1850D1M	[Green]													
UN2100D1M	[Green]													
UN2400D1M	[Green]													

Specification of main and secondary injection unit is the same as that of H+W combination. The specification of V type injection unit, please refer to this table.

DPM Series Two-platen Multi-component IMM														
Injection unit	190		295			420			604			895		
Screw	22	26	30	35	40	35	43	48	43	48	53	43	48	53
V type injection unit														
UN500DPM	[Green]													
UN700DPM	[Green]													
UN900DPM	[Green]													
UN1100DPM	[Green]													
UN1500DPM	[Green]													
UN1850DPM	[Green]													
UN2300DPM	[Green]													
UN2850DPM	[Green]													
UN3200DPM	[Green]													

Specification of main and secondary injection unit is the same as that of H+W combination. The specification of V type injection unit, please refer to this table.

※ All the data herein come from Yizumi's factory. Please check the data of the actual customized equipment.

Vertical Turntable+P-L Type Combination

P-L type combination for three-color molding

- Description: Parallel/L-shaped combination for three-color molding
- Combination: H+P+L
- Feature: Flexible configuration and wide application.



D1M Series Two-platen Multi-component IMM																							
Injection unit	190		295			420			604			895			1269			1885			2695		
Screw	22	26	30	35	40	35	43	48	43	48	53	43	48	53	53	60	68	60	68	76	68	76	84
L type injection unit																							
UN500D1M	[Green]																						
UN700D1M	[Green]																						
UN900D1M	[Green]																						
UN1100D1M	[Green]																						
UN1200D1M	[Green]																						
UN1300D1M	[Green]																						
UN1400D1M	[Green]																						
UN1600D1M	[Green]																						
UN1850D1M	[Green]																						
UN2100D1M	[Green]																						
UN2400D1M	[Green]																						

Specification of main and secondary injection unit is the same as that of H+P combination.
The specification of L type injection unit, please refer to this table.

DPM Series Two-platen Multi-component IMM																													
Injection unit	190		295			420			604			895			1269			1885			2695			3330			4800		
Screw	22	26	30	35	40	35	43	48	43	48	53	43	48	53	53	60	68	60	68	76	68	76	84	76	84	92	84	92	100
L type injection unit																													
UN500DPM	[Green]																												
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UN3200DPM	[Green]																												

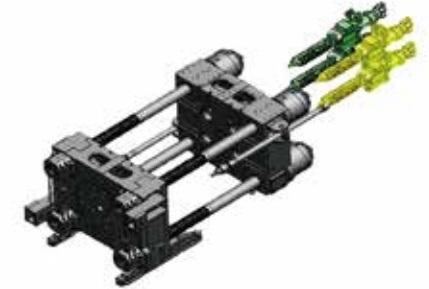
Specification of main and secondary injection unit is the same as that of H+P combination.
The specification of L type injection unit, please refer to this table.

※ All the data herein come from Yizumi's factory. Please check the data of the actual customized equipment.

Vertical Turntable+P-P Type Combination

P-P type combination for three-color molding

- Description: Two set of parallel combination for four-color molding
- Combination: P+P
- Feature: Support customization as per demand.



D1M Series Two-platen Multi-component IMM																					
Injection unit	300		420			630			930			1310			1870			2720			
Screw	30	35	40	35	43	48	43	48	53	43	48	53	53	60	68	60	68	76	68	76	84
P type injection unit																					
UN1100D1M	[Green]																				
UN1200D1M	[Green]																				
UN1300D1M	[Green]																				
UN1400D1M	[Green]																				
UN1600D1M	[Green]																				
UN1850D1M	[Green]																				
UN2100D1M	[Green]																				
UN2400D1M	[Green]																				

Please contact for the specific combination.

DPM Series Two-platen Multi-component IMM																					
Injection unit	300		420			630			930			1310			1870			2720			
Screw	30	35	40	35	43	48	43	48	53	43	48	53	53	60	68	60	68	76	68	76	84
P type injection unit																					
UN900DPM	[Green]																				
UN1100DPM	[Green]																				
UN1500DPM	[Green]																				
UN1850DPM	[Green]																				
UN2300DPM	[Green]																				
UN2850DPM	[Green]																				
UN3200DPM	[Green]																				

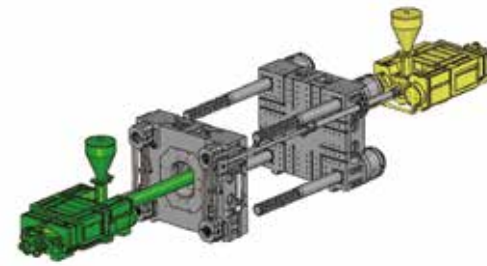
Please contact for the specific combination.

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Horizontal Turntable+M-Type Combination

Two-way injection for two-color molding

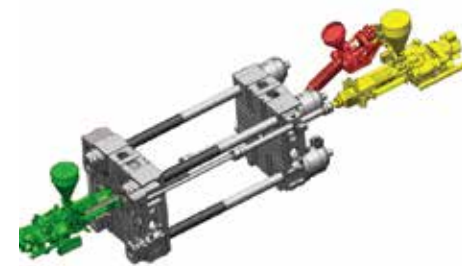
- Description: Horizontal two-way injection molding
- Combination: H+M
- Feature: It is suitable for the production of large multi-component products, innovative application with horizontal turntable.



DPM Series Two-platen Multi-component IMM																	DPM Series Two-platen Multi-component IMM																											
Injection unit	190		295			420			604			895			1269			1885		2695				3330			4800			6150			9000			12050			18500			23750		
Screw	22	26	30	35	40	35	43	48	43	48	53	43	48	53	53	60	68	60	68	76	68	76	84	76	84	92	84	92	100	92	100	108	100	108	116	116	125	135	135	145	155	145	155	165
	M+H																	M+H																										
UN900DPM																																												
UN1500DPM																																												
UN1850DPM																																												
UN2300DPM																																												
UN2850DPM																																												
UN3200DPM																																												
	● Injection unit is mounted on the movable platen.																	● Injection unit is mounted on the frame.																										

Two-way injection for three/four-color molding

- Description: Two-way injection molding with piggyback injection unit
- Combination: H+M+W
- Feature: It can be combined flexibly for the production of large-scale products, with multi-component or multi-color requirement.



DPM Series Two-platen Multi-component IMM																	DPM Series Two-platen Multi-component IMM																											
Injection unit	190		295			420			604			895			1269			1885		2695				3330			4800			6150			9000			12050			18500			23750		
Screw	22	26	30	35	40	35	43	48	43	48	53	43	48	53	53	60	68	60	68	76	68	76	84	76	84	92	84	92	100	92	100	108	100	108	116	116	125	135	135	145	155	145	155	165
	M+H																	M+H																										
UN900DPM																																												
UN1500DPM																																												
UN1850DPM																																												
UN2300DPM																																												
UN2850DPM																																												
UN3200DPM																																												
	● Injection unit is mounted on the movable platen.																	● Injection unit is mounted on the frame.																										
Specification of main and secondary injection unit is same as that of M type horizontal combination, with combination options of W type or P type injection unit for multi-color molding.																	Specification of main and secondary injection unit is same as that of M type horizontal combination, with combination options of W type or P type injection unit for multi-color molding.																											

※ All the data herein come from Yizumi's factory. Please check the data of the actual customized equipment.

Injection unit

① Proportional valve-controlled back pressure

- Precise control to enhance injection stability and provide necessary conditions for excellent plasticizing effect.

③ Excellent injection accuracy

- Repeatability of product weight up to 3‰.

⑤ Modular combination design

- According to the process requirement of different products, injection units can be combined flexibly, with various software functions, making customization achievable.

⑦ High mixing anti-stick screw design

- Screw design with optimized mixing parameters is adopted to ensure efficient plasticization, but also reach the better mixing effect and eliminate stickiness, yellowing and blackening.

② New-generation PID temperature control

- With adaptive PID temperature control, the static temperature control accuracy reaches up to $\pm 0.5^{\circ}\text{C}$.

④ Single cylinder injection structure

- Excellent cylinder sealing, high injection speed.

⑥ Adjustable nozzle center distance

- The nozzle center distance between the injection units is adjustable, and a standard adjustable range is specific for the machine of different tonnages, to better match with the molds of various center distances. And the injection unit with automatic centering function also can be used for the production of single-color products.



Proportional valve-controlled back pressure



PID temperature control



Excellent injection accuracy



Single-cylinder injection structure



Modular combination of injection unit



Adjustable nozzle center distance



High mixing anti-stick screw design



Mobile centering function



High injection repeatability

Based on European single-cylinder injection molding technology, it brings low injection inertia and high leak-proof performance of cylinder; also combined with high mixing anti-stick screw and precise temperature control, injection stability is further enhanced, making the repeatability of product weight up to 3‰.

Clamping unit



① Digital closed-loop positioning control technology (DCPC)

- Turntable driven by servo motor is controlled by DCPC technology, with high rotating speed, smooth operation without impact, accurate positioning and repeatability up to $\pm 0.005^\circ$.

③ Proportional valve-controlled mold opening and closing

- Improve the repeatability of mold opening and the stability of low-pressure mold protection.

⑤ Synchronizing turntable

- Whole series machine is standard with synchronization function between mold opening & closing and turntable rotary, which can be set as per requirement, beneficial for efficiency improvement.

⑦ Rotating shaft module (Optional)

- Movable platen is optional with a rotating shaft module, to meet the requirements of the in-mold core rotating process for two-color products.

② Automatic flow-distribution shaft system

- Turntable is applied with German automatic flow distribution shaft system, with double layer structure for oil-water separation. It offers centralized management for oil, water and gas. Multi-angle rotary of station is also available by 0° , 90° , 120° , 180° , 240° or 360° , no wear and no tangling for pipeline, wider application.

④ Turntable positioning pin

- Effectively improve the positioning accuracy of the turntable.

⑥ High rigidity and precise guiding

- The L-shaped guide rail designed considering guiding and gravity center support, with guide accuracy of 0.05mm, effectively improving the movement stability and extending mold service life.

⑧ Custom-designed mold positioning

- Custom-designed mold positioning is available as per requirement. And center distance can be adjusted by replacing the positioning ring, with wider application scope.

Integrated turntable

- Integrated design, high rigidity, large bearing capacity and compact structure;
- The turntable is standard with servo motor with high precision and rotation speed. It can be equipped with multiple groups of water-oil-gas diversion systems at high flow rate.

Control system

Precise control, reliable and stable, user-friendly design

Austrian KEBA controller is standard for two-platen multi-component injection molding machine. Controller design is reliable, stable, safe and user-friendly, applicable to various multi-component molding solutions, improving customer experience.



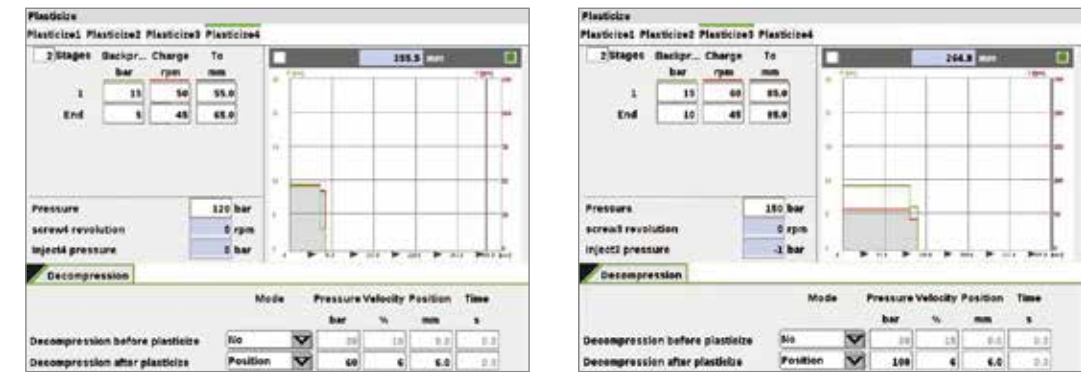
KEBA Controller ▶

- Dual CPU control, 1ms scanning cycle and high reliability to ensure that the operation time of each injection unit is limited to 1ms.
- Synchronous communication technology and servo closed-loop positioning technology to achieve more accurate turntable positioning.
- The latest generation of PID closed-loop temperature control technology can obtain more accurate temperature control.
- USB port with storage extension can be served as mold data memory, easy and convenient.
- Memory functions of alarming and process parameter changing.
- Curve recording function for process data changes.
- Process Deviation Procedure (PDP) and Statistical Process Control (SPC).
- Multi-level user access management and data protection ensure data security.
- Real-time remote control and operation.
- Online multi-language, easy for language switching.
- Fast input of icons and virtual keys.
- Quick set of screen and easy set of process parameter.
- Expandable I/O modules to integrate more functions such as built-in hot runner control and sequence valve function.
- Communication ports for printers, auxiliaries and automation can be expanded to OPC/UA communication interfaces.

User-friendly design

- Using the ergonomic rotary cabinet of fool-proof design, clear, concise and beautiful interface ensures easy and convenient operation.

- ① Ergonomic rotary cabinet ▶
- ② Reserve plug for auxiliaries ▶

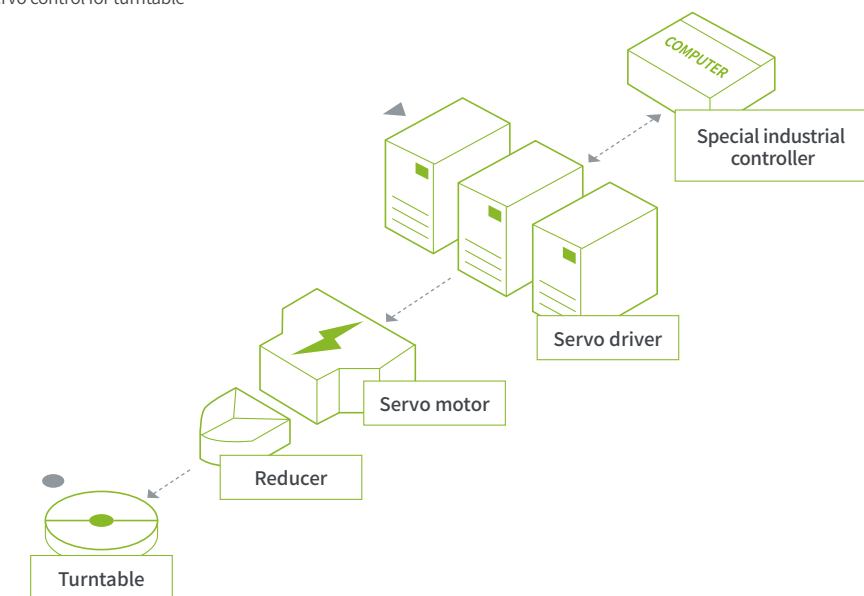


Special controller interface ▲

Servo control of turntable

The electric servo control system of the turntable includes industrial controller, servo driver, servo motor, reducer, high-resolution precision detector and turntable. The industrial controller releases the control signal to the servo driver for performing closed-loop positioning, leading smooth rotation and accurate positioning of turntable.

▼ Schematic diagram of servo control for turntable



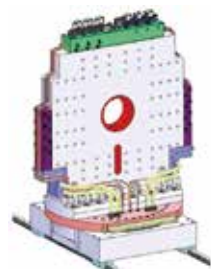
Horizontal turntable two-way injection molding

Modular design, for easy combination.

Horizontal turntable is suitable for the molding of long or large two-color products. It can help machine largely reduce clamping force comparing with vertical turntable. Also horizontal turntable can cooperate with the third and the fourth injection units (W type, L type, V type, etc.) in multi-component molding, providing more cost-effective solution.



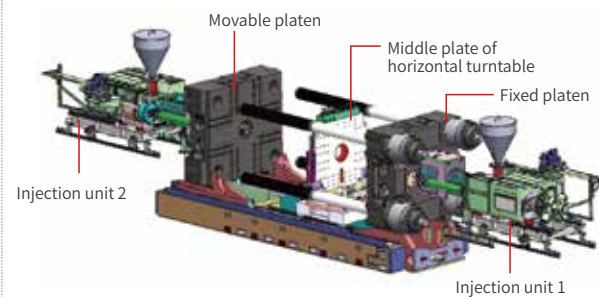
Middle plate of horizontal turntable



- Core
- Hydraulic ejector
- Electronic signal
- Cooling water
- Steam



Applied with German automatic flow distribution shaft system and double layer structure for oil-water separation, integrated management for oil, water and gas is achievable. Clockwise rotation is also available by 90°, 180° or 360°, no tangling for pipeline.



Structure:
Two-platen IMM + two injection units + horizontal turntable and middle plate

➤ Technical advantages

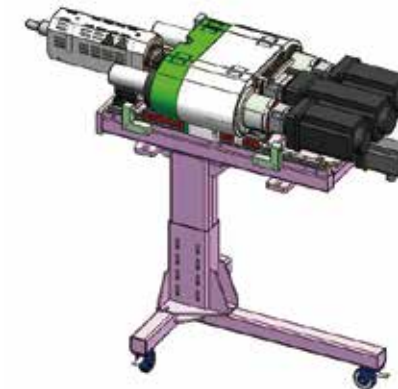
Compared with traditional stack molds

- Using two independently controlled injection units to better control injection volume
- High flexibility, two different molds can be used synchronously
- Reduce length of hot runner for lower cost
- Improved hot runner balance for faster debugging and startup
- Reduce dwell time of raw materials in the barrel
- Less raw material degradation and better quality control

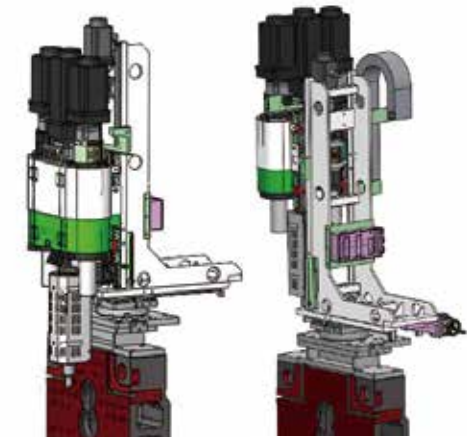
Compared with machine with vertical turntable

- More flexible, applicable to the production of large two-color parts
- With double cavities and output under the same tonnage, more economical
- Nearly half of the required machine tonnage under the same production capacity requirement, less power consumption and lower cost.
- Provide innovative solutions such as cubic molds using the horizontal turntable

Independent electric injection unit



Independent L type electric injection unit



Independent V type electric injection unit

➤ Independent modular design

With modular design, it can be combined with hydraulic machine to be an oil-electric hybrid multi-component injection molding machine; or combined with all-electric machine to be an all-electric multi-component injection molding machine. Flexible combination like L type, W type and V type combination is available for wider application.

Note: Its specific structure is subject to the actual design. The base rotation function is optional.

Compact design, easy to install and store

- Using all-electric control for injection, plasticizing and injection carriage, compact structure and easy to install and store.

Servo control

- High injection repeatability, fast response and more stable molding.

Flexible combination

- Can be combined as L type or V type injection unit, adaptable to different molds.

Base rotation (Optional)

- Base rotation can help offer more space for mold loading, unloading and maintenance; Secondary injection unit can also be combined with the main injection unit through base rotation by 180 degrees to achieve sandwich molding.

Clean and environmental friendly

- All-electric control is cleaner than the hydraulic control, especially suitable for the clean production with lower energy consumption.

High compatibility

- It can be compatible with different brands or different tonnages machine to achieve two-color or multi-color molding, low operating cost.