

WE WALK ALONGSIDE THE WORLD

Stock Code:300415

YIZUMI伊之密

Designed by Yizumi in April 2019

RIM

YIZUMI Rubber Injection Moulding Machine

Precise Rubber Parts Moulding Solutions

YIZUMI RUBBER MACHINERY CO., LTD.
Member Of Guangdong Yizumi Precision Machinery Co., Ltd.

Add: No.22. Keyuan 3 Road, Hi-tech Industrial Zone, Ronggui, Shunde, Foshan City, Guangdong Province, China.
PC.528306 TEL: 86-757-29265156 www.yizumi.com



ABOUT US

SINCE 2002

Guangdong Yizumi Precision Machinery Co., Ltd. was founded in 2002, based in Guangdong, China, with a global perspective, focusing in the field of polymer and metal material moulding. As a comprehensive equipment and solution provider, the company has technological know-how and integrated R&D, production, sales and service, and has set up plastic injection machine division, die casting machine division, rubber injection machine division, high speed packaging system division, and robotic system division.

Yizumi Rubber Machinery Co., Ltd., a holding subsidiary of Yizumi Group, was founded in 2009 and has drafted two National Standards for rubber injection machine industry. Yizumi rubber injection moulding machine ranks among the forefront in China market with a wide range application for moulding all kinds of rubber parts in automobile, energy, electronics fields, as well as railway transportation, medical care, household appliances. With more than a decade of experience in rubber machinery manufacture, Yizumi is capable in providing customized solutions to meet the personalized needs for global customers.

Yizumi Is Committed To Be A Technologically Leading Supplier Of The Best Cost-effective Solution

Yizumi has been deepening the transformation and upgrade of the company. Through the connection of advanced European moulding technology, and the establishment of R & D center and innovation center in China and abroad, Yizumi constantly introduces internationally advanced technology to strengthen customers' competitiveness.



ABOUT

Global Operation Capability

Create More Value for Global Customers

As the step of globalization, Yizumi has set up several technical and service centers, R&D centers and sales network worldwide to provide customers with leading rubber injection moulding machine solutions and services, so as to develop greater competitiveness for customers.

300,000m²

Three manufacturing bases in China, covering more than 300,000m²



2,700+

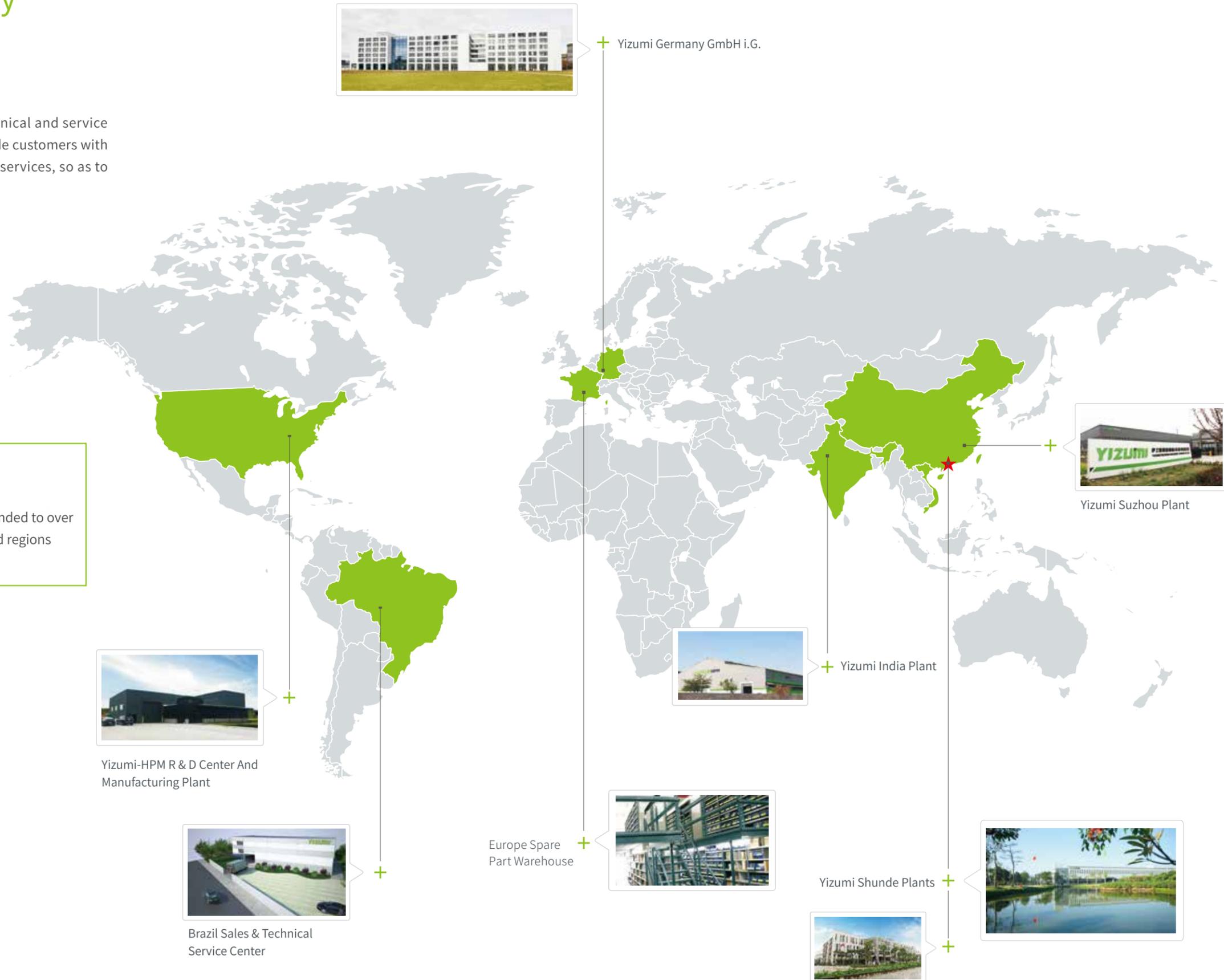
Five divisions with more than 2,700 employees

60+

Business is extended to over 60 countries and regions

113↑

YFO service network across 76 cities in China and 37 countries



Standardized Production, Strict Quality Management

Yizumi committed to creating globally advanced manufacturing platform, and providing solid guarantee for production.

- TPS concept integrated into production mode;
- Modular small batch continuous flow production and flexible single order production mode available to meet both conventional and customized machines production requirements; Process approach keeps continuous upgrade.
- Standardized production process.

Strict Quality Management, Better Customer Satisfaction

Yizumi standardized production ensures the consistency of Yizumi machine quality. Both conventional mass production and small batch customization have the uniform high quality.

- Strict implementation of ISO 9001:2015 Quality Management System;
- PDCA is carried out under the product realization process;
- Process approach keeps continuous upgrade.





Continuous R&D Innovation, Remarkable Achievements

Increase Investment in R&D

Yizumi has set up several technical and service centers, R&D centers and sales network worldwide to provide customers with leading rubber injection moulding machine solutions and services, so as to develop greater competitiveness for customers.



Innovative IPD Product Integrated R&D Pattern

Yizumi R&D team utilizes the in-depth functions of SolidWorks, Simulation, PLM design tools, and adopts the IPD model to help customers achieve greater differentiation at the lowest cost.



Injection Unit

Clamping Unit



1000-12000CC

3 Cylinder Injection, F.I.L.O



1500-10000CC

3 Cylinder Injection, F.I.F.O



150-500CC

2 Cylinder Injection, F.I.F.O



100-350T

4 tie bar, 2-step upstroke closing



440-1200T

4 tie bar, 3-step upstroke closing



550-1800T

4 tie bar, 3-step downstroke closing



10000-80000CC

1 Cylinder Injection, F.I.L.O



250-1000CC

1 Cylinder Injection, F.I.F.O



450-1000T

Slab type, 2 step upstroke closing



25-80T

C-frame, 2 step downstroke closing



100-400T

4 tie bar, 2 step horizontal closing

Clamping & Injection Unit Table

	Series Code	L3-1000A1	L3-2000A1	L3-3000B1	L3-4000B1	L3-4000C1	L3-4000C2	L3-5000C1	L3-6000C1	L3-6500D1	L3-8000D1	L3-8000D2	L3-10000D1	L3-12000D1	F3-1500B1	F3-3000B1	F3-4000C1	F3-5000C1	
Injection Unit	Injection Pressure/bar	2,600	2,200	2,000	1,900	2,100	2,500	2,500	2,100	2,500	2,000	2,500	2,000	1,700	2,200	2,100	2,500	2,000	
	Screw Diameter/mm	40	40	50	50	50	50	50	50	65	65	65	65	65	35	40	45	45	
	Piston Diameter/mm	60	65	83	86	98	90	90	98	98	98	110	98	110	120	80	82	90	100
	Size of Rubber Inlet	50×20	50×20	65×20	65×20	65×20	65×20	65×20	65×20	65×20	80×35	80×35	80×35	80×35	80×35	50×20	50×20	65×20	65×20
Clamping Unit	YL2-V200	○	●	○	-	-	-	-	-	-	-	-	-	-	○	○	-	-	
	YL2-V250	○	●	○	○	-	-	-	-	-	-	-	-	-	○	○	-	-	
	YL2-V300	○	○	●	○	-	-	-	○	-	-	-	-	-	○	○	-	-	
	YL2-V350	○	○	●	○	-	○	○	○	○	-	-	-	-	○	○	○	○	
	YL2-V280	○	●	○	○	-	-	-	-	-	-	-	-	-	○	○	-	-	
	YL2-V440	-	-	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	
	YL2-V630	-	-	-	-	○	○	○	○	●	○	○	○	○	○	-	-	○	○
	YL2-V800	-	-	-	-	○	○	○	○	○	○	●	○	○	○	-	-	○	○
	YL2-V1200	-	-	-	-	○	○	○	○	○	○	○	○	○	○	-	-	○	○

★ Remark: 1. Injection unit code illustration: L(F.I.L.O), F(F.I.F.O), 3-three cylinder structure, 1000-injection volume 1000CC, A-injection cylinder type 2. ● standard configuration ○ optional 3. For the YL2-V200/YL 2-V300 with the injection units above, injection pressure will be lower by 10% than in the table.

Electrical & Control System

Various Brands Available



Siemens Control System

- Program execution speed 4-10ms, 9" and 10" touch screen available for option;
- 100 sets of recipe memory & storage, available for upload and download with USB;
- Independent PID temperature control, real-time temperature curve, accessible with USB;
- Real-time curve display of clamping pressure and injection pressure, accessible with USB;
- Statistical records of process parameters for 3,000 cycles, accessible with USB;
- OPC DA data communication port (MES and remote monitoring can be realized) , optional;
- Free editable machine sequence.



B&R Control System

- Program execution speed 1ms, 10" and 21" touch screen available for option;
- 50 sets of recipe memory & storage, accessible with USB;
- Independent PID temperature control, real-time temperature curve;
- The speed, pressure, position of plasticizing and injection, the holding pressure in curing process, the temperature., etc. 17 process parameters, historical curves and modification records can be checked and tracked. 1000 records can be saved and accessible with USB;
- Software closed loop control for clamping, injection and plasticizing process;
- OPC DA data communication port (MES and remote monitoring can be realized) , optional;
- Free editable machine sequence.

Hydraulic System

The 3rd generation energy-saving servo technology —Reliable and durable, energy-efficient, low noise, etc.

Equipped with variable displacement pump, excellent performance proportional pressure/flow valve, Japan/German high efficiency hydraulic valve; imported high-quality seals; more accurate flow/pressure control.



- With Rexroth variable displacement pump + servo motor for electric auto + inovance servo drive our system is more energy efficient with lower consumption while longer service life

- With closed loop control of flow and pressure, machine running is more accurate, stable, and faster
- Energy saving more than 50% compared to the vane pump dynamic system

Main Optional Devices



3 Bottom hydraulic mold separator



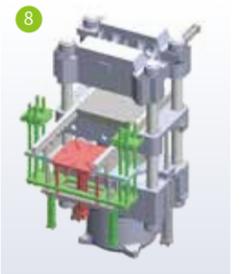
4 Top hydraulic mold separator



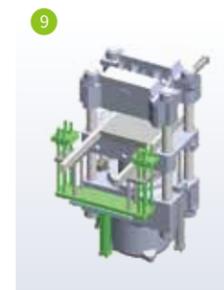
5 Side open silicone stuffer



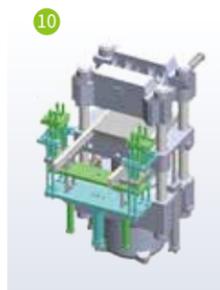
6 Lower mold sliding device



8 3RT ejector, single lifter + single ejector



9 2RT



10 3RT Double ejector



11 Downward ejecting device



13 Side core pulling device



14 Double lower or middle mold synchronic exchange device



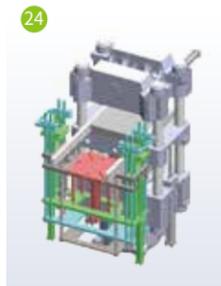
15 Double lower or middle mold exchange device (mold of big height)



16 Auto ejecting device for bushing



17 Manual double middle mold exchange device



24 4RT-double lifter with single ejector



26 Ejecting device in clamping area

① Bottom mechanical mold separator ② Top mechanical mold separator ⑦ Middle mold sliding device ⑫ Mold tilting device

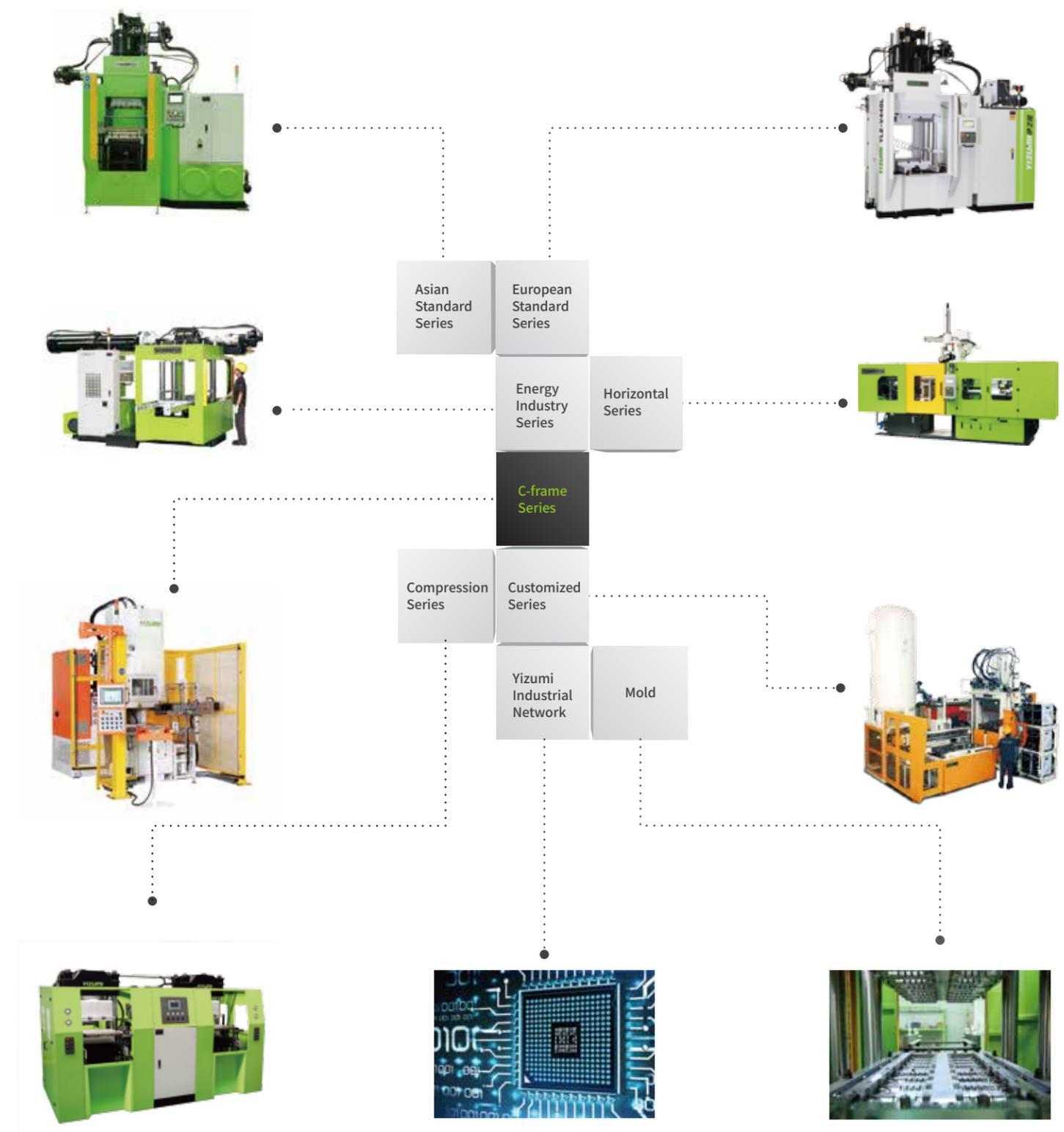
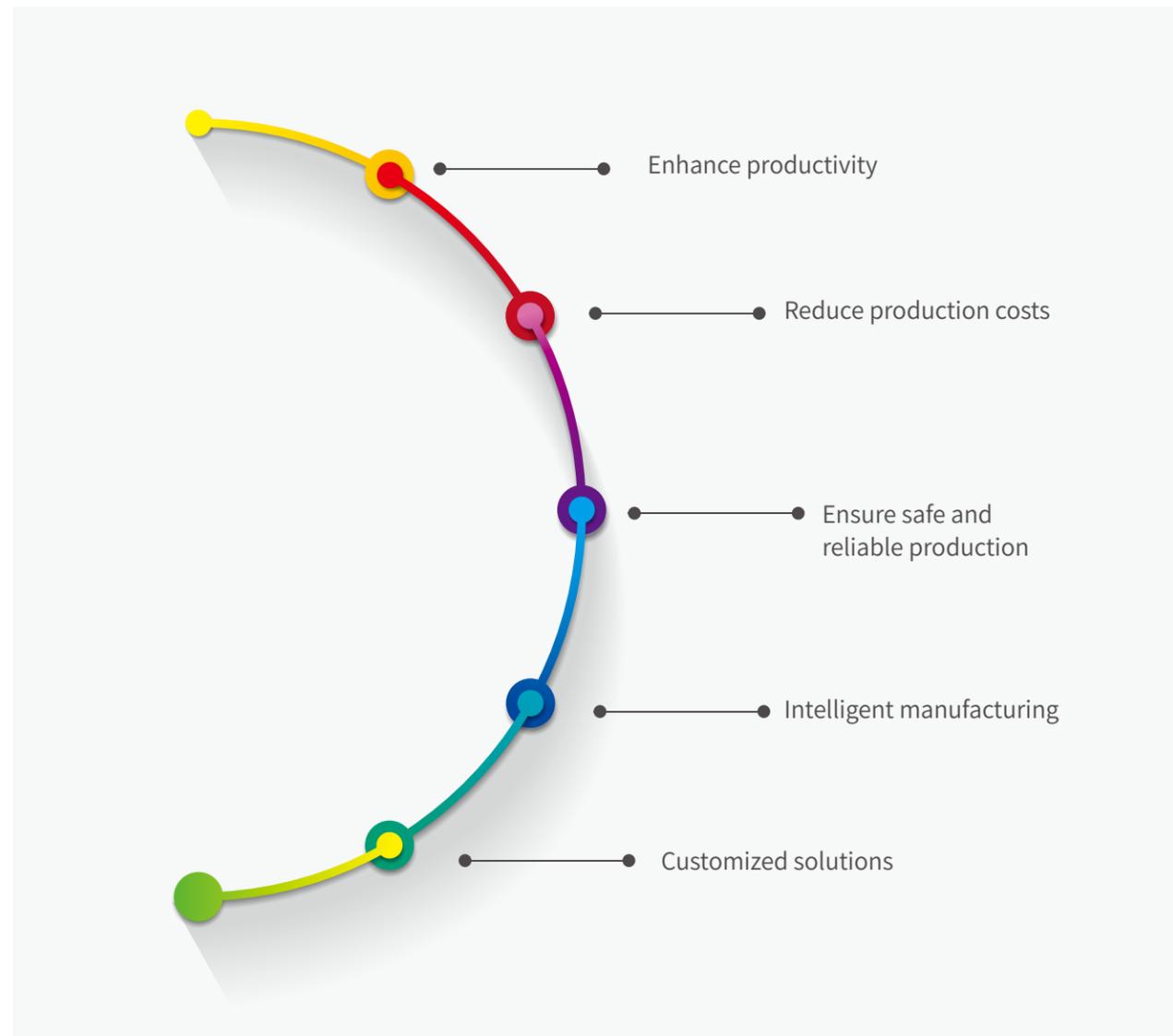
⑮ Compound temperature & pressure inspection function ⑲ Remote monitoring & diagnosis ⑳ Printing function

㉑ Hydraulic core fixing device ㉒ Pneumatic door ㉓ All-round safety guard/door ㉔ Mold plate clipping device

Diversified Machines — To Meet Customers' Individual Requirements In Different Fields

Yizumi rubber injection moulding machines and solutions have been widely applied in automobile industry, energy industry, electronic industry, railway transportation, medical care, household appliances and other fields. Its rich practical experience ensures the safety, reliability and efficiency of each machine, and meets various high quality requirements from customers.

We Can Help Customers



Asian Standard System

—In-depth Modular Design Application In Rubber Injection Machine Industry

YL2-VL/F Asian Standard Series Injection Moulding Machine

Following the high-bed structure of Asian conventional mold design, Yizumi implements a full set of forefront design concepts and methods. Combining with advanced machining process technology, we provide machines superior to conventional technology at lower cost to create greater value for customer.

Features of Heating Unit

- IPD management (Integrated Product Development)
- Thermodynamics FEA, dissects the heating conduction and thermal radiation of heating system, with low energy consumption, and precise temperature control

Features of Plasticizing Injection Unit

- Patented injection unit, high injection pressure, good stability, wide application range of rubber material
- In-depth modular design structure, a wide range of injection volume
- Optimum piston installation structure, easy disassembly, quick changing of material

Features of Hydraulic Unit

- Efficient hydraulic system, efficient energy conversion
- Top brand hydraulic components
- Precise control of speed and pressure

Features of Clamping Unit

- Clamping unit with high rigidity and long service life
- High-quality imported seals
- Big heating plate for various mold specifications

Features of Control Unit

- User-friendly interface
- Accurate control and fast response
- Self-developed software, freely editable and upgrading of various processes
- Remote diagnosis



Machine Specifications

Asian Standard Series										
	Unit	YL2-V200L/F	YL2-V250L/F	YL2-V300L/F	YL2-V350L					
Clamping Force	kN	2000	2500	3000	3500					
Closing Stroke	mm	480	480	500	570/500					
Heating Plate Size	mm	550×550/550×650/550×750/600×650/600×750		600×650/600×800/650×650/650×750/700×750						
Heating Plate Heating Power	kW	14	14	18	16	18	20	18	20	22
Standard Motor Power	kW	11	15	15	15	15				

Main Optional Devices

- ① Bottom mechanical mold separator ② Top mechanical mold separator ③ Bottom hydraulic mold separator ④ Top hydraulic mold separator
- ⑤ Side open silicone stuffer ⑥ Lower mold sliding device ⑦ Middle mold sliding device ⑧ 3RT ejector, single lifter + single ejector ⑨ 2RT
- ⑩ 3RT Double ejector ⑪ Downward ejecting device ⑫ Mold tilting device ⑬ Side core pulling device ⑭ Double lower or middle mold synchronic exchange device
- ⑮ Double lower or middle mold exchange device (mold of big height) ⑯ Auto ejecting device for bushing ⑰ Manual double middle mold exchange device ⑱ Compound temperature & pressure inspection function
- ⑲ Remote monitoring & diagnosis ⑳ Printing function ㉑ Hydraulic core fixing device ㉒ Pneumatic door ㉓ All-round safety guard/door
- ㉔ 4RT-double lifter with single ejector ㉕ Mold plate clipping device ㉖ Ejecting device in clamping area

European Standard Series—First Choice For European Customers

YL2-VL/F European Standard Series Injection Moulding Machines

Bench-mark to the performance requirements and safety standards of European market, with in-depth modular design and pre-research, Yizumi can satisfy customers' high standard customized requirements with faster response, lower cost and zero risk. Focus on every details of heating and motion energy consumption, provide user friendly operation, Yizumi helps customers to achieve the lowest TCO and intelligent production.

Features of Heating Unit

- Thermodynamics FEA, dissects the heating conduction and thermal radiation of heating system

Features of Plasticizing Injection Unit

- Excellent injection stability, deviation of product weight repeatability is 3‰
- Easy and simple disassembly and assembly of piston, quick changing of material

Features of Hydraulic Unit

- Low energy consumption
- Low loading movement
- Low energy loss in transmission
- High response movement

Features of Clamping Unit

- Clamping unit with high rigidity and long service life
- In line with European operation
- Heating plate design suitable for European customers
- Compatible with all kinds of product demoulding devices

Features of Control Unit

- Support high-speed communication with MES system and control center
- Support remote wireless monitoring and data updating
- Machine preventive maintenance



Machine Specifications

European Standard Series							
	Unit	YL2-V100F	YL2-V280L/F	YL2-V440L/F	YL2-V550/630L/F	YL2-V800L/F	YL2-V1200L/F
Clamping Force	kN	1000	2800	4400	5500/6300	8000	12000
Closing Stroke	mm	450	500	600	700	800	850
Heating Plate Size	mm	320×410	560×630/670×630 560×780/670×780	700×800/810×1000	810×1000/900×1000	810×1000/900×1000	1200×1600/1300×1300
Heating Plate Heating Power	kW	10	17 21 22 26	28 38	38 45	38 45	70 70
Standard Motor Power	kW	7.5	15	22	30	30	30

Main Optional Devices

- ① Bottom mechanical mold separator ② Top mechanical mold separator ③ Bottom hydraulic mold separator ④ Top hydraulic mold separator
- ⑤ Side open silicone stuffer ⑥ Lower mold sliding device ⑦ Middle mold sliding device ⑧ Downward ejecting device
- ⑨ Double lower or middle mold synchronic exchange device ⑩ Double lower or middle mold exchange device (mold of big height) ⑪ Auto ejecting device for bushing
- ⑫ Manual double middle mold exchange device ⑬ Compound temperature & pressure inspection function ⑭ Remote monitoring & diagnosis
- ⑮ Printing function ⑯ Hydraulic core fixing device ⑰ Pneumatic door ⑱ All-round safety guard/door ⑲ Ejecting device in clamping area

Specialized Rubber Injection Machine For Energy Industry

Lead The Trend Of Composite Insulation Products Moulding Technologies

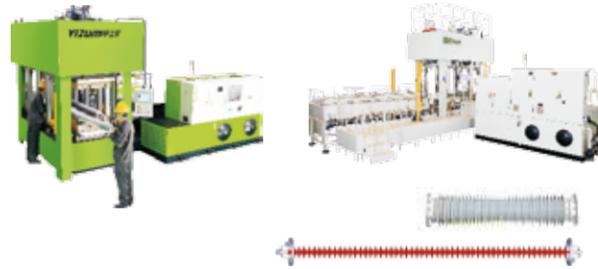
YL2-ABL Series Silicone Injection Moulding Machine

- Upward closing structure, low working height, high rigidity clamping unit suitable for insulator molds
- Specialized plasticizing and injection system for silicone processing
- Safe and convenient silicone stuffer
- Low energy consumption design



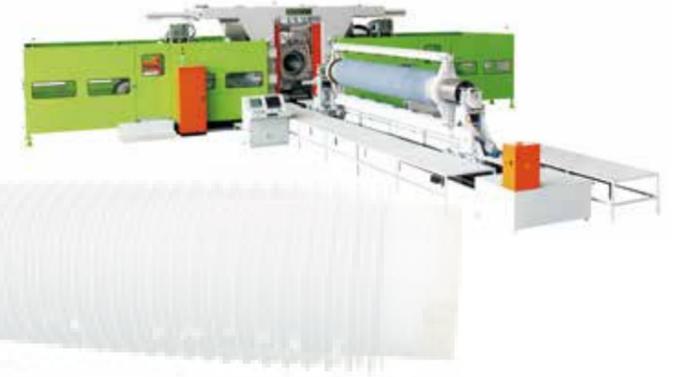
YL2-ATL Series Silicone Injection Moulding Machine

- Patented insulator moulding equipment
- Downward closing structure, injection from the bottom
- User friendly, ergonomic working height
- Insulator, FRP rod/tube not moving with movable platen
- Easy loading of silicone



YL-H1000F Silicon Injection Machine

- Patent technology, specialized hollow core insulator moulding machine
- Horizontal two movable platen clamping structure
- Double "FIFO" injection system
- Servo motor system
- Full close-loop control injection moulding process
- Automatic production



LSR Moulding Machine

- Both horizontal and vertical structure available for different products
- Clamping force can be controlled in multiple stages according to time
- Patented horizontal clamping unit



YL2-V360L Silicone Injection Moulding Machine

- Best choice for middle and low voltage insulator production
- Specialized plasticizing unit for silicone processing
- Safe and convenient silicone stuffer



Machine Specifications

Specialized Rubber Injection Machine for Energy Industry										
	Unit	YL2-V360L	YL2-AB500L/550L	YL2-AB650L	YL2-AB900L	YL2-AT550L	YL2-AT660L	YL2-AT880L	YL2-AT1100L	YL2-AT1800L
Clamping Force	kN	3600	5000/5500	6500	9000	5500	6600	8800	11000	17600
Closing Stroke	mm	500	600	700	600	700	1100	1200	700	1300
Heating Plate Size	mm	630x1300	630x1500/630x1700	800x1700/800x2000	850x2000	630x1500/630x1700	650x1600	800x1600	800x2600	1000x2600
Heating Plate Heating Power	kW	33	36/44	53/60	82	36/44	45	55	80	120
Injection Volume	c.c.	4000/5000	10000/13000/15000	15000/20000	15000/20000	10000/15000	18000	25000	25000	50000
Injection Pressure	Bar	1260	1260	1260	1260	1260	1260	1260	1260	1260
Standard Motor Power	kW	15	22	30	30	22	30	37	44(=22x2)	60(=30x2)

Horizontal Series—Clamping Unit Design Oriented From Europe

YL-HF Series

- Two-step closing structure
- "F.I.F.O" plasticizing injection system
- Injection nozzle retractable, injection piston can pull back, easy for material changing
- High speed PLC, trouble-free communication with MES and central control PC



Machine Specifications

Horizontal Series			
	Unit	YL-H200F	YL-H300F
Clamping Force	kN	2000	3000
Closing Stroke	mm	500	500
Heating Plate Size	mm	550×550	600×600
Heating Plate Heating Power	kW	14	17
Injection Volume	c.c.	500	500/1000
Injection Pressure	Bar	2000	2000
Standard Motor Power	kW	18.5	18.5

C-frame Series—Small Size High Precision Rubber Injection Machine

- C-frame structure, downstroke closing
- "F.I.F.O" injection system with high injection pressure
- Rotary table, fast and stable exchange of two bottom molds
- Auto demoulding system for moulded parts

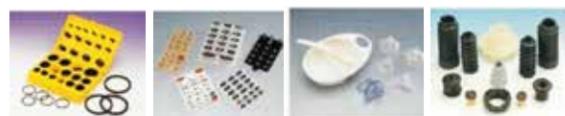


Machine Specifications

C-frame Series			
	Unit	YL-C50F	YL-C80F
Clamping Force	kN	500	800
Closing Stroke	mm	400	350
Heating Plate Size	mm	600×400	300×400
Heating Plate Heating Power	kW	9.6	9.2
Injection Volume	c.c.	300	150
Injection Pressure	Bar	1800	2200
Standard Motor Power	kW	7.5	15

Compression Series—Simple Moulding Solution for Rubber Parts

- Machine overall design for low energy consumption, high strength environmental friendly insulation plate
- Heating plate sliding out, mold temperature maintained in whole process
- Fast running speed
- Siemens control system
- International well-known electrical, hydraulic and sealing components



Main Optional Devices



⑥ Lower mold sliding device



⑨ 2RT



⑧⑩ 3RT



⑳ 4RT



㉕ Mold plate clipping device

Machine Specifications

Compression Series							
	Unit	YL-V200	YL-V250	YL-V350	YL-VV200	YL-VV250	YL-VV350
Clamping Force	kN	2000	2500	3500	2000	2500	3500
Closing Stroke	mm	250	250	250	250	250	250
Heating Plate Daylight	mm	300	300	300	300	300	300
Heating Plate Size	kW	550x550	650x600	700x700	500x500	600x600	650x650/700x700
Total Installed Power	kW	42.2	53.6	58.4	45.5	54.5	58.2/60.0

Customized Series—Tailor-made Solutions For Customers

Slab Type Vacuum Compression Moulding Machine

- Close loop hydraulic system and control system
- Clamping area entire vacuum; fast vacuum speed
- Top heating plate tilting device and various ejectors for the demoulding of different oil seals with ribs



Joint-free Rubber Track Moulding Machine

- E type clamping structure, two molds simultaneously curing
- Dynamic balanced steel belt fastening device
- Product auto conveyor device
- Close loop control system, movement of multiple devices are highly coordinated and controlled



Air Spring Machine

- In line with the advanced moulding process and performance requirement of the European membrane-type air spring
- Patented technology, 4 tie-bar, two-step downward closing clamping structure
- Self-programming, users can freely edit the production process according to their needs



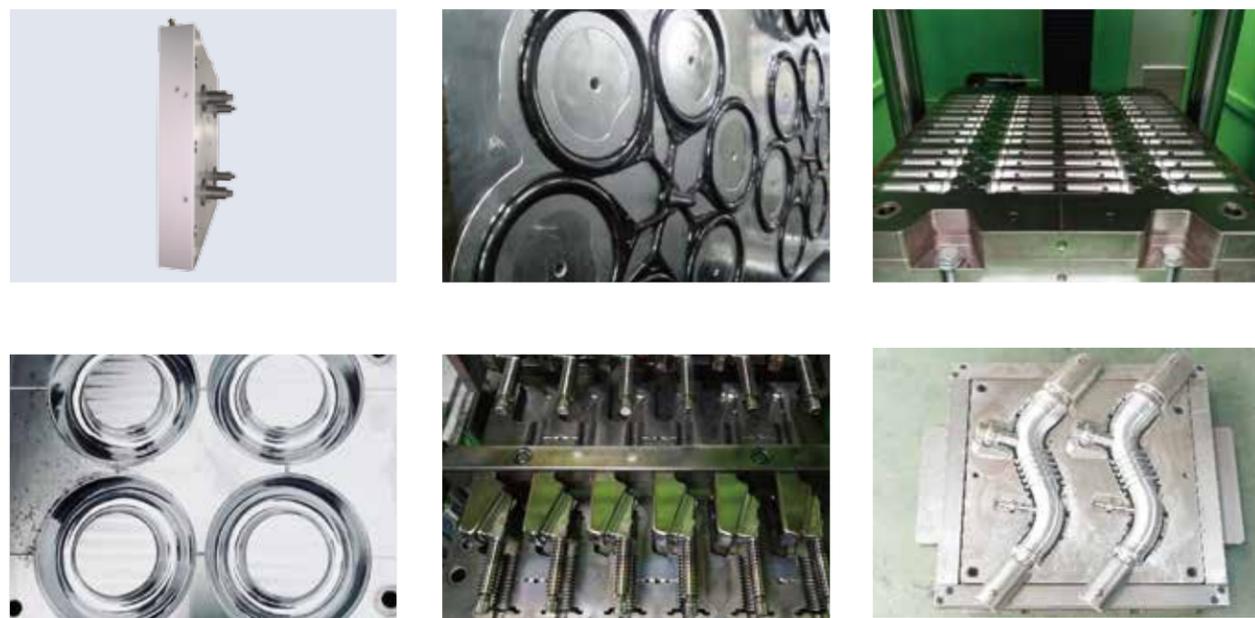
Vertical Vacuum Chamber Injection Machine

- 4 tie-bar vertical clamping structure
- Vacuum chamber for mold vacuum
- Mold fast fixing



Molds

Yizumi has an elite technical team to provide injection mold solutions, cold runner and mold solutions.



Yizumi Industrial Network

CMS(Condition Monitor System), as a new generation of information management system based on micro service technology and industrial Internet platform, users can check the status of equipment, process parameters, alarm information and other information in real time through mobile APP, PC and other terminals, and make statistical analysis of OEE, output and other information to significantly reduce the technical threshold, construction and operation costs for customers to realize intelligent production.



- Basic Function**
Factory modeling, organization structure, authority management, data acquisition...
- Workshop Monitoring**
Production monitoring, machine monitoring, production statistics, efficiency statistics, alarm record...
- Maintenance Management**
Maintenance plan, maintenance implementation, maintenance remind...
- Fault Management**
Breakdown alarm, repair record, trouble shooting, expert system...
- Process Monitoring**
Parameter monitoring, fault alarm, tracking revise, parameter backup, parameter tracking...
- E-service 24**
One-click report for repairing, visual process, service evaluation