台富机械
TAI FU MACHINERY

DONGGUAN TAIFU MACHINERY CO., LTD

A provider of one-stop integrated solutions for vertical injection molding machines

Professional manufacturing of vertical injection molding machines provide automation solutions

Add: Fulong Yangwu Industrial Area, Shipai Town, Dongguan, Guangdong, China

Tel: 86-0769-81929376

Company Profile

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TAIFU is a Taiwanese joint venture with a history of 17 years. It has vertical injection molding machines ranging from 15 tons to 1800 tons. The factory covers an area of 15,000 square meters. It has 157 employees and 54 imported high-precision equipment. It has passed ISO9001 certification and EU CE certification.And in 2018, we applied for and obtained the honorary titles of National High-tech, Special, Fine, Special and New; we provide after-sales service 24 hours a day, 7 days a week.

Workshop introduction

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3m gantry machining center

4m gantry machining center

3m milling machine

CNC lathe

Two dimensions

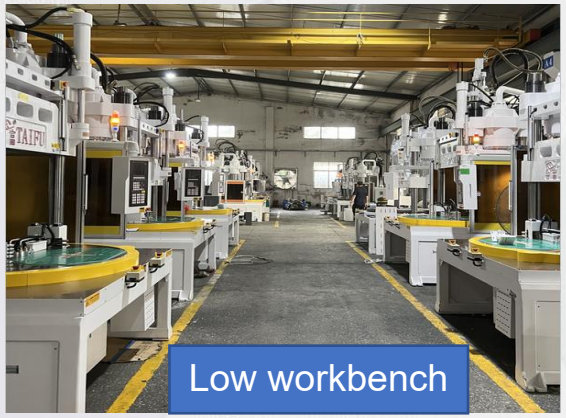
Three dimensions

Pull test

Parallelism test

Silicone Machine

Single Slide


Low workbench

Rotary table

Honor Certificate

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Honor confirms brilliance

Honor means shouldering greater responsibilities, confirms our glory yesterday, records our gains today, and determines our new starting point tomorrow.

Cooperative Industries

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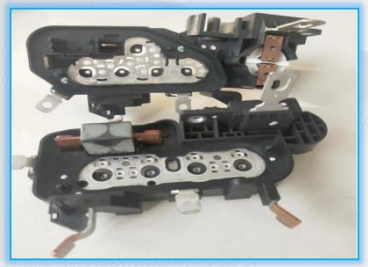
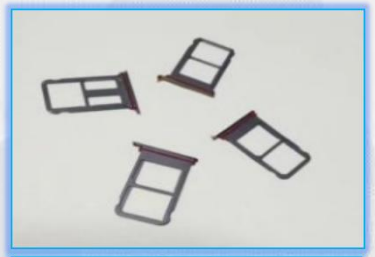
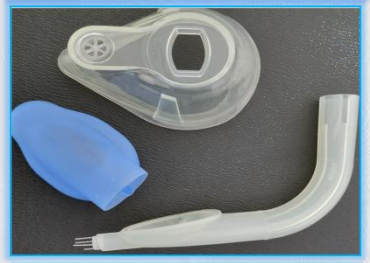
Auto Parts



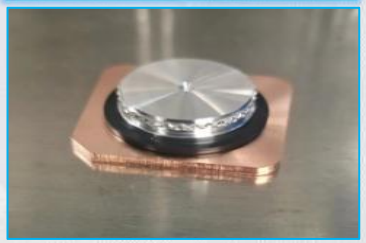
Electronics 3C



Silicone Products



New energy Battery pole



Double-color Accessories

Main Customers

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Electronics 3C	FOXCONN Advancing Through Innovation 富士康	长盈精密	JABIL 捷普	通達集團 TONGDA GROUP	SUNWAY	Webo威博
Auto Parts	BYD 比亚迪汽车	李尔 LEAR CORPORATION	长城汽车	长安汽车 CHANGAN AUTO	MINTH 敏實集團	凯中精密
Battery	CATL 宁德时代	EVE 亿纬锂能	KDL科达利	震裕科技 ZHENYU TECHNOLOGY	SUNWODA 欣旺达	长盈精密
Household Appliance	GREE 格力	美的 Midea	TCL 创意感动生活 The Creative Life	Galanz 格兰仕	LittleSwan	Bear小熊·萌家电
Silicone Products	Hebe赫比	SHOKZ 韶音	wellead 维力医疗	海宏 Able-One TECHNOLOGY LIMITED	通達集團 TONGDA GROUP	万德
Connector	莫仕	安费诺 Amphenol	TE connectivity 泰科电子	LOTES 得意精密电子	DEREN 得润电子	FREEPORT Connecting the world 联基集团

Performance device

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Standard Devices

- Safety grating device
- Screw cold material protection device
- Emergency stop safety switch
- P. L.D proportional temperature control
- Automatic fault display and shutdown
- Full computer screen display electronic control
- Double buckle switch safety starting device
- Quick mold locking, low-voltage safety mold locking device
- Automatic material washing device

Special Devices

- The standard turntable is equipped with two stations, three stations, four stations and multiple stations.
- Quick mold change， die lifter， electromagnet， hydraulic code.
- Two-color and multi-color multi-component.
- Sub-shooter device。
- Brake type or low workbench machine

Optional Devices

- Spring, oil pressure, pneumatic nozzle device
- Servo oil pressure system
- Special hydraulic unit configuration
- Special electrical control unit configuration
- Pumping device
- Blowing device
- Mechanical protection device
- Full closed-loop servo valve device

Company Introduction

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High Speed Machine

Rotary Machine

BMC Dual -mode
Side -shoting Machine

Double-color Machine

LSR Silicone Machine

- R2 Rotary(I Generation)
- R2 Rotary(II Generation)
- R3 Three Station Disc Machine
- W4 Ultra Low Woekbench
- LSR Silicone Machine
- V4 Standard Four Column
- V4-S Single Slide
- V4-SD Double Slide
- C Type Machine
- H4 Side Shot
- R2-2C Double-color Disc
- SP High Speed Machine
- Electric Injection
- Bakelite Machine
- BMC Vertical/Vertical Horzontal
- V4 Small Injection Molding Machine

Rotary Machine(I Generation)

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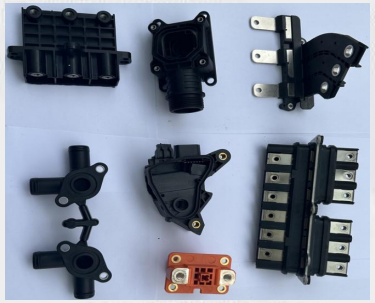
Features

- Three-column two-station turntable machines，traditional table tops over 85 tons need to be equipped with a platform;
- The turntable is driven by a servo motor, Positioning accuracy 2-3 wires
- Main motors above 85 tons (including 85 tons) are equipped with servo;
- A turntable machine is optional for more than four holes;
- Mainly used in electronic auto parts
- Main customers:Foxconn, BYD, Tongda, Changying, Jabil Green Dot



Rotary Machine (II Generation)

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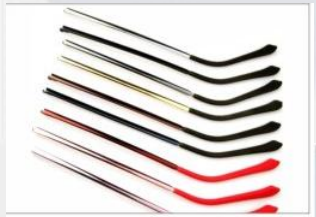
Features

- ➢CE Standard
- ➢New generation rotary machine
- ➢New sheet metal



Three Station Rotary Machine

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Features

- Vertical dlamping, vertical injection, three-station (120-degree rotation) disc injection molding machine.
- Precise positioning device ensures accurate positioning of the disc and ensures the safety of the mold.
- The four-column design provides the lower mold for transporting water and oil for more molds.
- The automatic production can be realized by taking/placing workpieces and cooperating with vibration disc/automation/multi-axis robot.

Ultra Low Woekbench

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- The ultra-low work surface is 800mm high from the ground, the overall height of the machine is low, customers do not need to purchase a platform,
- The extremely large mold installation space adopts a four-pillar machine design with no interference from pillars in the middle.
- The workbench is low, making it easy and stable to install automation.
- Main customers : BYD, Lear, Chongqing Changan Automobile, Minshi, and Tongda.

LSR Silicone Machine

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- The parameters on the left and right sides of the mold can be adjusted independently.
- Each set of molds has two temperature levels, the molds have upper and lower heat insulation panels.
- The AB glue ratio of the feeder is 1:1, the color paste pump is close to the material pipe, and it is easier to control the color. The static mixer is more than 30 cm, which is more suitable. In special circumstances, copper pipes can be wrapped outside and cooling water can be used to prevent high temperatures from affecting the product.
- Suitable fields: medical, electronics, swimming glasses, daily necessities.
- Main customers: Hepi, Tongda, Shaoyin, Haihong, Xinke, Wonder, and Weili Medical.

Standard Four Column

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Features

- Vertical mold-locking/vertical injection, suitable for general electrical plugs, electronic parts and other small insert molding.
- Two segment (three segment) temperature control, injection speed / back pressure and other non-segment adjustment, more suitable for precision plastic parts forming.
- Fast clamping/low pressure slow mold-closing, automatic emergency mold-opening when the clamping is abnormal, this special safety design can protect the mould.
- The lower die is fixed/the upper die is movable, which has a good positioning for the formed inserts in the die. The finished product has hydraulic ejection device, which is very convenient and easy to take out.
- Single sliding mode 1S and double sliding mode 2S can be added to make operators more convenient, more efficient and safer.

V4-S Single Slide

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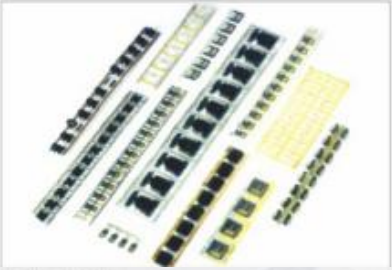
Features

- A single slide plate can only make one set of molds, and the inserts have one hole and two holes. It is difficult to assemble the parts, but it is easier to slide them out;
- The lower mold automatically slides in front of the operator, making it easy to install inserts. It is highly safe and the ejection of the finished product is also completed externally.



V4-SD Double Slide

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Features

- Two lower molds can be installed, and double slide is more suitable if the placement time of the insert exceeds the injection molding cycle.
- Disadvantages: Compared with the disc machine, one more person is needed to start it. The silicone machine is more suitable, and the rest can be replaced by the turntable machine.

C Type Machine

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Features

- Vertical direct pressure clamping, horizontal injection, non-column design, three-sided open space, suitable for medium-sized embedded parts injection molding.
- The injection base can be raised and lowered with adjustable advance and retreat. It is easy to adjust the center of the die horizontally, and it is fast and convenient to frame the die.
- Horizontal shooting: suitable for power cords, vertical shooting: car sealing strips;
- Main customers include: Galanz, Gree, Minshi, and Great Wall Motors.

H4 Side Shot

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Features

- It can match embedded parts characteristic and forming cycle, match the type of slide table or rotary table, increase productivity and improve efficiency.
- Vertical mold-locking, horizontal injection, opening&closing stroke is long and injection capacity is large, suitable for large workpiece embedding and injection.
- With large machine column span and wide mold size, the mold erection is simple and convenient.
- The horizontal injection base lifting is driven by hydraulic motor to guide screw,the adjustment is rapid and accurate, the size limit of mold clamping line is small, the application range is wide.
- The movable plate adopts self-moistening with oil-free shaft sleeve, the reciprocating movement is smooth and precise, and the service life is long.
- It can also match the whole closed circuit to meet the precision requirement of photoelectric products.

R2-2C Double-color Disc

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Split Double-color Machine

Turret Double-color Machine

Standard Double-color Machine

Features

- **Conjoined two-color, split two-color, turret two-color and multi-component machines.。**
- Two colors and two materials, injection parameters can be adjusted and controlled independently.
- The two-color machine has a clamping force added to both sides of the conjoined machine, while the split machine has a single-sided clamping force. It can be used to make traditional tabletops or low tabletops.

SP High Speed Machine

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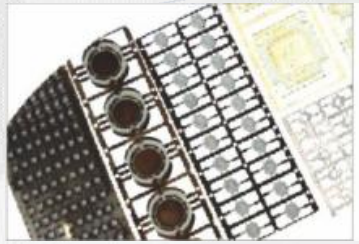
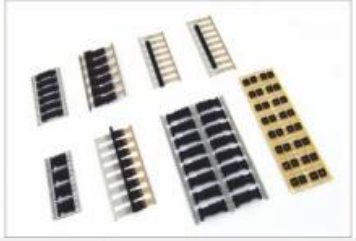
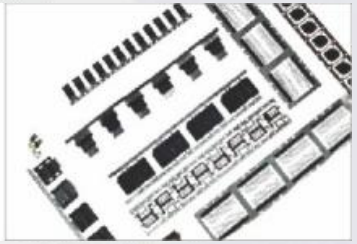
- High speed mainly refers to high speed above 200mm/sec. Each increase of 50 is a level of fire rate, and each level requires an additional charge.
- Using an energy storage device, the maximum firing rate can reach 200-500mm/sec. Fast injection, precise molding, and short production cycle are the best and most stable choice for ultra-thin molded products with a thickness of 0.1mm or more.

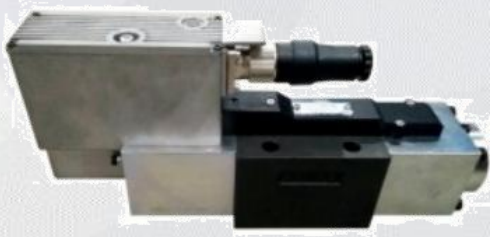
- It can be equipped with screws of 16 or above, and can be equipped with inner top electronic ruler, in-mold monitoring, and automatic pulling machine for fully automatic production.
- Bosch Rexroth Servo Valve can be selected for full closed-loop injection control and the repeatability can reach 3‰.
- Suitable fields: electronic connectors, TPC, USB3.0, automotive connectors.
- Main customers: Tyco, Amphenol, Derun, Deyi, Polygen, Lianji, Taikang







伺服阀博士
BOSCH



伺服阀油研
YUKEN

Electric Injection

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- Using electric injection, the maximum firing speed can reach 500mm/sec.
- Using high-precision screw nut, the transmission accuracy is 0.01mm.
- Using a new type of force sensor, the back pressure can be accurately controlled to achieve stable precision injection molding.
- The synchronous pulley and synchronous belt have a simple structure, easy installation, high transmission accuracy, and low noise. They use centralized lubrication and a volumetric proportional distributor to ensure adequate lubrication at each point.

Bakelite Machine

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Single Slide

Disc

Standard

Features

- The injection position has high precision, the whole mechanism of the machine is compact, beautiful and generous.
- Special screw barrel and special design nozzle are equipped to make cleaning more convenient and fast before shutdown.
- The temperature of material pipe is controlled by mould temperature machine to ensure the stability of temperature control.
- Free selection of single station and double station makes forming more economical.
- Electrical protection device, no error action occurs, maintain the safety of operators.
- Automatic devices such as automatic insertion and removal can be installed to achieve fully automated operation of the entire machine.

Vertical BMC

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立锁卧射BMC

Disc BMC

Features

- Special screw tube set for wet pellet BMC thermoset injection molding.
- BMC is a thermosetting material. The mold is heated, the material tube is cooled, and heat insulation boards are added above and below the mold.
- Turntable servo control, accurate positioning.
- The length-to-diameter ratio of the material pipe is small, and the material in the material pipe should be cleaned to avoid solidification after long-term shutdown.
- Household appliances, stators and rotors are plastic-encapsulated for motors, and coil

Vertical Clamping Horzontal Injection BMC Machine

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- BMC is a thermosetting material. The mold is heated and the material tube is cooled.Add heat insulation panels to the top and bottom of the mold.
- The injection platform can move left and right. When the mold on one side is solidified, the injection platform moves to the other side for injection, which improves efficiency.
- Suitable for the motor industry: plastic motors, rotors, stators, and rubber coatings.
- Main customers are: Gree, Dayang Motor, Wolong Motor, Welling Motor.

Small Vertical Injection Molding Machine

Features

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- Vertical clamping/vertical injection, suitable for small insert molding of general electrical plugs, electronic parts, etc.
- The lower mold is fixed/the upper mold is movable, which has good positioning of the molded insert in the mold. The finished product has a hydraulic ejection device, making it very convenient and easy to take out the finished product.
- The clamping force is 15TON~25TON, and there are three types: PLC programming, electronic control, computer single pressure control or computer full proportion (pressure to flow) control, for customers to choose.

Business Team

台富机械
TAI FU MACHINERY

office

Jiangsu Office
Zhejiang Office
Tianjin Office
Shangdong Office
.....

Fujian Office
Hunan Office
Sichuan Office
Henan Office
.....

Beijing Office
Anhui Office
Vietnam Office
Malaysia Office
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Thank you for watching

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