

**LKIMM**



**VARIA SERIES**  
**MULTI-COLOR INJECTION**  
**MOLDING MACHINE**  
VA130-VA1900

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**LKIMM**

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LKIMM

**200000+**  
Total sales volume

LK, strives for your success

**LKIMM**

## GROUP PROFILE

LK Group was founded in 1979 in Hong Kong. In 2006, it was listed in Hong Kong Stock Exchange and ranked in the Top 500 China machinery manufacturing enterprises .

As one of the three major businesses of the Group, the core products of injection molding machine are: double/multi-color injection molding machine, precise three platen injection molding machine, large two platen injection molding machine, all-electric injection molding machine and customized injection molding machine. The maximum clamping force of the two platen injection molding machine could reach 7000T, which makes LK the industrial leader of the giga injection molding machine.

Two intelligent production bases in Zhejiang Ningbo and Guangdong Zhongshan make annual output reach 10,000 sets of machines.



# 40 YEARS TECHNOLOGY ACCUMULATION

## / 1979

△ LK brand was founded in Hong Kong



## / 1989

○ First POTENZA series injection molding machine was produced successfully

## / 1994

△ LK Zhongshan Machinery Co., Ltd was founded

## / 2002

△ LK Ningbo Machinery Co., Ltd was founded



## / 2006

△ LK Technology Group was listed in Hong Kong Stock Exchange



## / 2007

○ First launch of large 1300T multi-color injection molding machine



## / 2008

○ LK entered the two platen machine firstly, launched Forza large two platen injection molding machine successfully.

## / 2013

○ Triple-color special injection molding machine for car light honored "Hong Kong Industry and Commercial Award"

## / 2015

△ Established a Co-laboratory of LK-BUCT micro injection molding engineering



## / 2016

△ LK Zhongshan new plant put into use



## / 2020

○ LK Group Forza-III 6000T giga two platen injection molding machine put into operation, marking LK become industrial leader in ultra-large tonnage injection molding machine.

△ LK Machinery passed "IS2020 Quality Certificate" and "CE Certificate"

## / 2022

△ LK Injection Molding Machine Co., Ltd upgraded its brand and strategy, changed a new logo "LKIMM" to embrace a younger, more intelligent, more environmentally friendly concept for entering international market.

○ Officially launched all-electric injection molding machine Eletrica series

**LKIMM**



○ Product milestone △ Enterprise milestone

## / 2002

LK Zhongshan won the national "double-excellence" award from China Association for Foreign Investment.

## / 2008

LK micro injection molding machine won "Geneva International Gold Medal for Inventions and Innovative Technologies and Products"

## / 2009

LK Machinery honored "Hong Kong Famous Brand"

LK SP series micro injection molding machine won "Hong Kong Industry and Business Award"

## / 2010

LK injection molding machine reached the first-class national energy-saving standard, and was selected as "the National First Batch of Energy-saving Injection Molding Machines"

## / 2012

LK FORZA series two platen injection molding machine won "Ringier Technology Innovation Award"

LK Group was honored for "Top 10 enterprises in China Injection Molding Machine Industry"

## / 2013

Ningbo LK Machinery Co., Ltd was rated as National High-tech Enterprises

LK Group was rated as "Top 10 Injection Molding Machine Enterprises in 2012"

## / 2014

LK was rated as "China Top 500 Machinery" in consecutive years

## / 2015

LK Group honored 2015 "China Top 10 Enterprise in Injection Molding Machine Industry"

LK brand was rated as "China's Well-known Trademark"

## / 2018

Honored 2018 Hong Kong Outstanding Listed Enterprises Award

## / 2019

Ningbo LK Machinery Co., Ltd was rated as vice president enterprise of "China Plastics Processing Industry Association"

## / 2021

LK 6000T large two platen injection molding machine honored "2021 Plastic Industry Ringier Technology Innovation Award"

# MANUFACTURING STRENGTH

## Advanced CNC machining center

Advanced excellent machining equipment provides guarantee for high precision and quality, as well as product flexibility, production efficiency and utilization.

LKIMM has auto spray paint booth, HSG laser cutting machine and special welding robot with hydraulic oil tank, internationally advanced heavy machining center like Spain Nicolas Correa, Japan Mitsubishi, Okuma, Amada and so on, which provide a solid guarantee for the high precision machining production. Otherwise, a bunch of well-educated and good-skilled operators make the parts pass rate 100%.



## Intelligent integrated production solutions

Intelligent production solutions are to provide customers an integrated solution and strive for their success. Except machine itself, LK can also provide customers with peripheral equipment and automation equipment; furthermore, services for **factory planning, model selection, installation and commissioning, personnel training, process design, operation tracking and after-sales maintenance** are all available for customers.

"24-hour fast service" is already realized in most region of China.

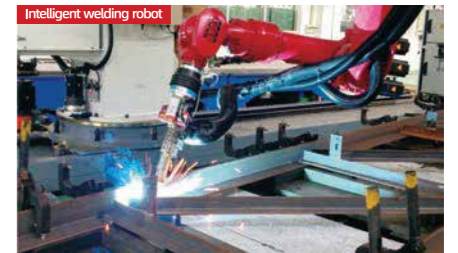


## Digital factory

Abundant project input function modules, including equipment networking, alarms for lacking of material and stagnating, TPM management. In the future, we will realize collaborative manufacturing for different departments and supply chains, and intelligent injection molding and value-added services for customers. Thus, we can realize all data interconnectivity for all processes starting from procurement to raw material storage, sheet metal, CNC, accessories, assembly, delivery and even customer use.

Intelligent welding robot is in the service to make a **maximum output value per unit of labor, no-stop production, a more convenient application and a shorter cycle time.**

Otherwise, "intelligent automation production line for secondary lines" is introduced to LK to make an auto production, so as to improve production speed and reduce labor cost. Flow line layout design for this equipment, easy for operation; its system is in module design, and it can be extended and upgraded in the future; capable of connecting to MES system to further realize digitalized management.



## Quality assurance system

The excellent quality of LK injection molding machine originates from strict control to every machining and production process. Four major sectors are included in our quality assurance system, they are **raw material inspection, machining precision assurance, assembly process quality control and whole machine performance test.** For detection equipment, we introduced Germany Renishaw laser detection system, CMM measurement system for key parts; for whole machine performance test, we conduct production simulation for over 6500 times without stop. We guarantee 100% pass rate of machines through strict quality system control.

## VARIA SERIES



## Multi-Color Injection Molding Machine

### Clamping Unit

- Independent double ejection cylinder with strong force
- Precise mold guide and pressing platen parallelism
- Excellent performance lubrication for clamping devices with long service life and less wear

### Injection Unit

- Single cylinder injection system to shorten injection response time and improve accuracy of repeatability
- Linear guide design to provide a better guidance and less injection resistance
- Suitable for different material in a stable condition
- Equipped with nozzle shield, barrel shield make it safe, liable and good appearance

### Control Unit

- Famous brand for electric and hydraulic parts, and designed with powerful double safe protection for them, comply with latest national safety standard
- Long tested European brand control system, rotatable control panel
- Humanized design for remote production management system (optional)

### Power system

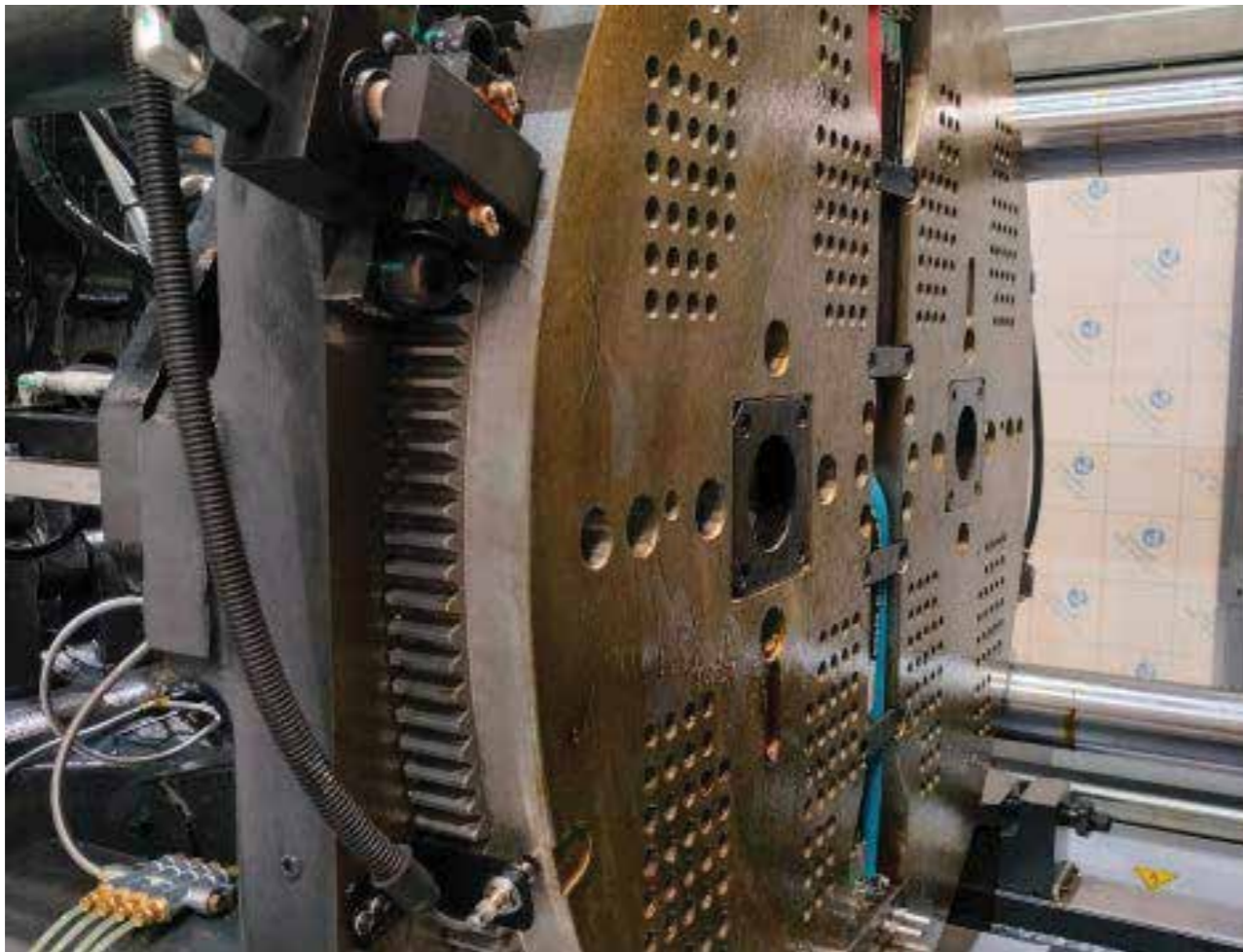
- High performance servo motor with fast response; stable performance servo system and high precision and sensitivity pressure feedback device to conduct precise close-loop stroke control

### Lubrication system

- Depressurized oil pump + positive displacement distributor for the lubrication of clamping unit to supply lubricant in fixed point and volume, so as to guarantee a full lubrication for every moving part. Electric auto grease pump for rotary table lubrication. Excellent lubrication effect, easy for cleaning

## UNIQUE ROTARY TABLE

- Specialized clamping device for rotary table, stable and high precision for rotation positioning
- Imported dual roller pin bearing is supported for the rotary shaft of the rotary table with large bearing capacity, durable and reliable.
- Imported big torque hydraulic motor to provide strong power
- Controlled by hydraulic proportional directional valve to realize a stable and reliable motion of the rotary table.
- Servo rotary table optional. Real-time synchronization for computer and rotary table data to make a faster and more precise rotary table positioning.



## Toggle double-color injection molding machine VA130-VA400

### Standard configuration

- KEBA 12-inch screen
- Mold clamping electric ruler
- Ejector electric ruler
- Injection electric ruler
- Wheel-type hydraulic auto mold adjustment
- Hydraulic motor driven rotary table
- Big diameter rotary table
- Linear guide for injection unit movement
- Flexible connection for injection unit and clamping device
- Combination manifold design
- Single cylinder injection
- Proportional and directional valve for rotary table
- Screw driven by high torque hydraulic motor
- Hopper mouth temperature detection
- Double safe protection for electric and hydraulic
- Differential motion fast clamping
- Multi-color alarm light
- Oil temperature alarm

### Optional configuration

- Multi language available for operation
- Special barrel components
- Multi-group core pulling devices
- Cooling water flow meter
- Air blowing device for fixed and moving platen
- Mold monitoring system
- Barrel heat cover
- Oil temperature pre-heat device
- Mold temperature control
- Auto feed machine
- Drying hopper
- Dehumidifier
- Lengthened nozzle
- Magnetic frame
- Thermal baffle
- Central network system

## Two platen multi-color injection molding machine VA550-VA1900

### Standard configuration

- KEBA 12/15 inches screen
- No-contact damping electric ruler
- 4 independent clamping cylinders
- Linear guide with high bearing capacity to support moving platen
- Limit switch of rotary table tight clamp
- High bearing capacity of rotary table rotay shaft
- Rotary table proportional directional valve
- Dual drive rotary table motor
- Proportional directional valve for open/close
- Double safe protection for electric and hydraulic
- Differential motion fast mold opening
- Multi-color alarm light
- Oil temperature alarm

### Optional configuration

- Multi language available for operation
- Special barrel components
- Multi-group core pulling devices
- Cooling water flow meter
- Air blowing device for fixed and moving platen
- Mold monitoring system
- Barrel heat cover
- Euromap robot interface
- Big and small injection unit combination
- Injection proportional valve
- Operation platform
- feeding platform
- lengthened nozzle
- magnetic frame
- thermal baffle
- central network system

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## SOLUTION

### Lead the industry to stride forward

LK VA multi-color precision series covers a wide range of industries and is designed by modules, manufactured in mass production and by batches. Equipped with 2-3 working stations of large rotary table (optional), it is suitable to produce multi-color or multi-material plastic product, like PP, ABS, PC, TPE and so on. It becomes first choice in the industry for it is widely used in automobile industry, home appliance and daily necessities.

Application: widely used in automobile parts, home appliance and daily necessities.

