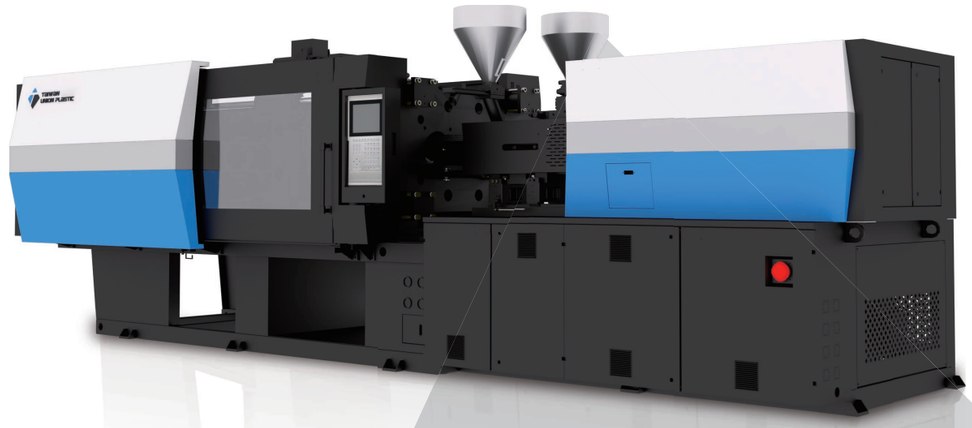
Technology Never Stops!

TAIWAN UNION PLASTIC

HD

230-1950T

Multi-components Series
Technical Parameters



HONZEN UNION PLASTIC (ZHEJIANG) MACHINERY CO., LTD.
333 Heting Street, Lin'an District, Hangzhou City, Zhejiang Province, China
www.taiwanunionplastic.com
marketing@tup-global.com

TUP . 202607 . 02B

TECHNOLOGY NEVER STOPS!

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TUP

TUP , It is one of the most advanced injection molding equipment manufacturers and complete system solution providers in China.

TUP provides the machines ranging from 90 to 6,600 tons, with the machine matrix of All-electric, Hybrid electric, Multi-components, Two / Three platens, which covers almost all main applications in automotive, packaging, medicals, engineering, 3C, home appliance, logistics etc.

The headquarter is located in hangzhou, zheiiang province, and the other remaining 15 branch offices, sales & service offices are located in China, SEA, America, Europe, Affrica provide the nearby service to our customers.

With regarding to the capability, we have 200,000 square meters of manufacturing base, staffs over 500, annual machine output over 60,000 sets, R&D teams with around 100 skilled people, and annual R&D investment over 50 million of RMB, which coming to 100+ patents and more are on the que.

Technology, never stopping has always been our driving force to proceed.We are striving efforts to make constant progress, taking environmental protection, energy saving and high efficiency as our responsibilities, and are committed to providing customers with more comprehensive and valuable application solutions.

80,000+
Annual Sales by Sets

100+
Service Regions

6,000+
Annual Capacity

200,000㎡
Factory Area

HD

Multi-components Series-Hydraulic Multi-Color Series

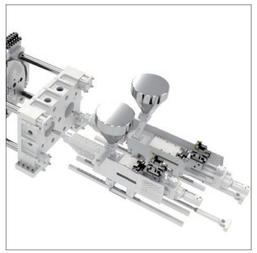
Patented rotary table technology with ±180° forward/reverse rotation positioning accuracy ≤0.01°
Servo motor-controlled rotary table with speed increased by over 50%
Single-cylinder injection molding technology achieving product weight repeatability accuracy of 3‰
Independently controlled servo hydraulic system improving energy efficiency by 20%
Heating zone control precision of 0.1°C enhancing plasticization capability

Application Area

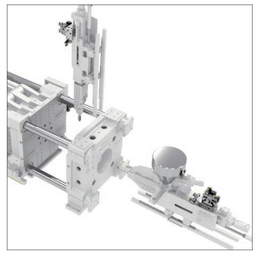
2300-19,500kN

Flexible configuration matrix of injection units (IUs)

- Linear guides are adopted for the injection and plasticizing system, featuring a low friction coefficient.
- High-rigidity single-cylinder injection structure with low-inertia moving parts design ensures fast response and high precision.
- Flexible center distance structure, compatible with multi-angle injection units to meet diverse and customized needs.

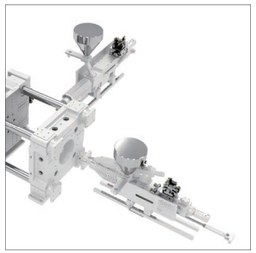


H-Type (parallel IU)
Minimum dual-mode center distance: 200mm



V-Type (vertical IU)
Suitable for smaller injection volumes

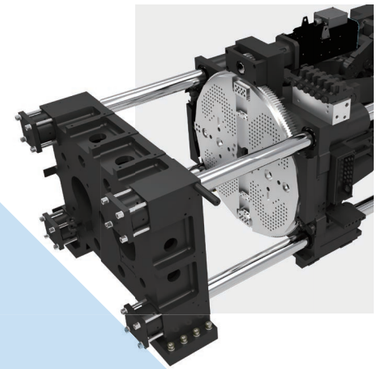
Z-Type ((piggyback IU)
Ideal for applications with low injection volume requirements

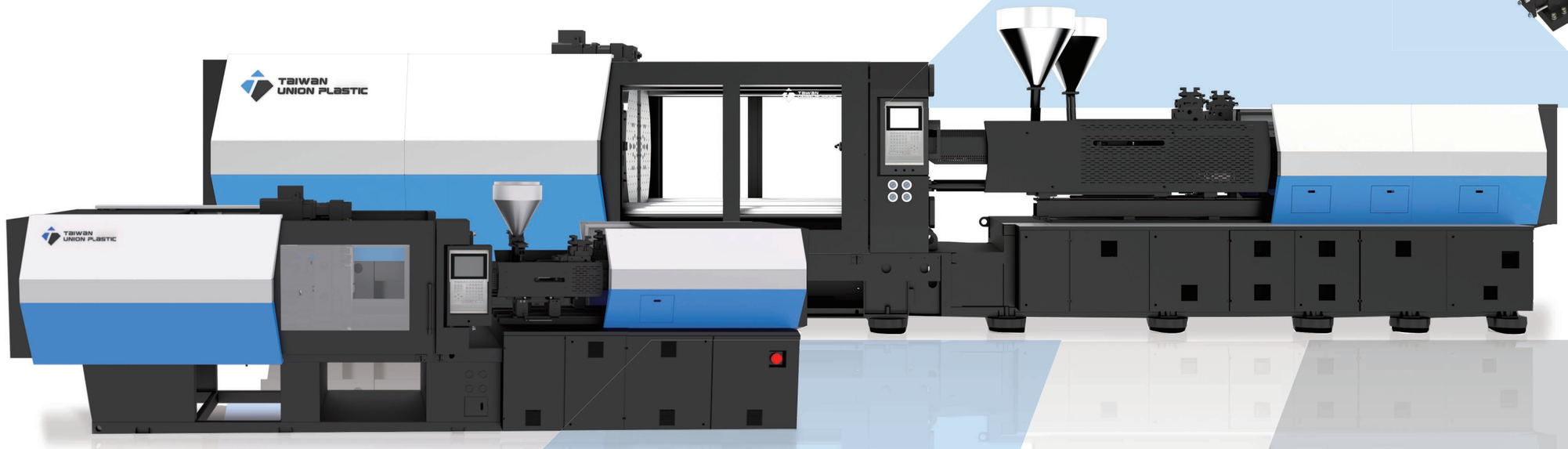


L-Type (right-angled IU)
Designed for larger injection volumes

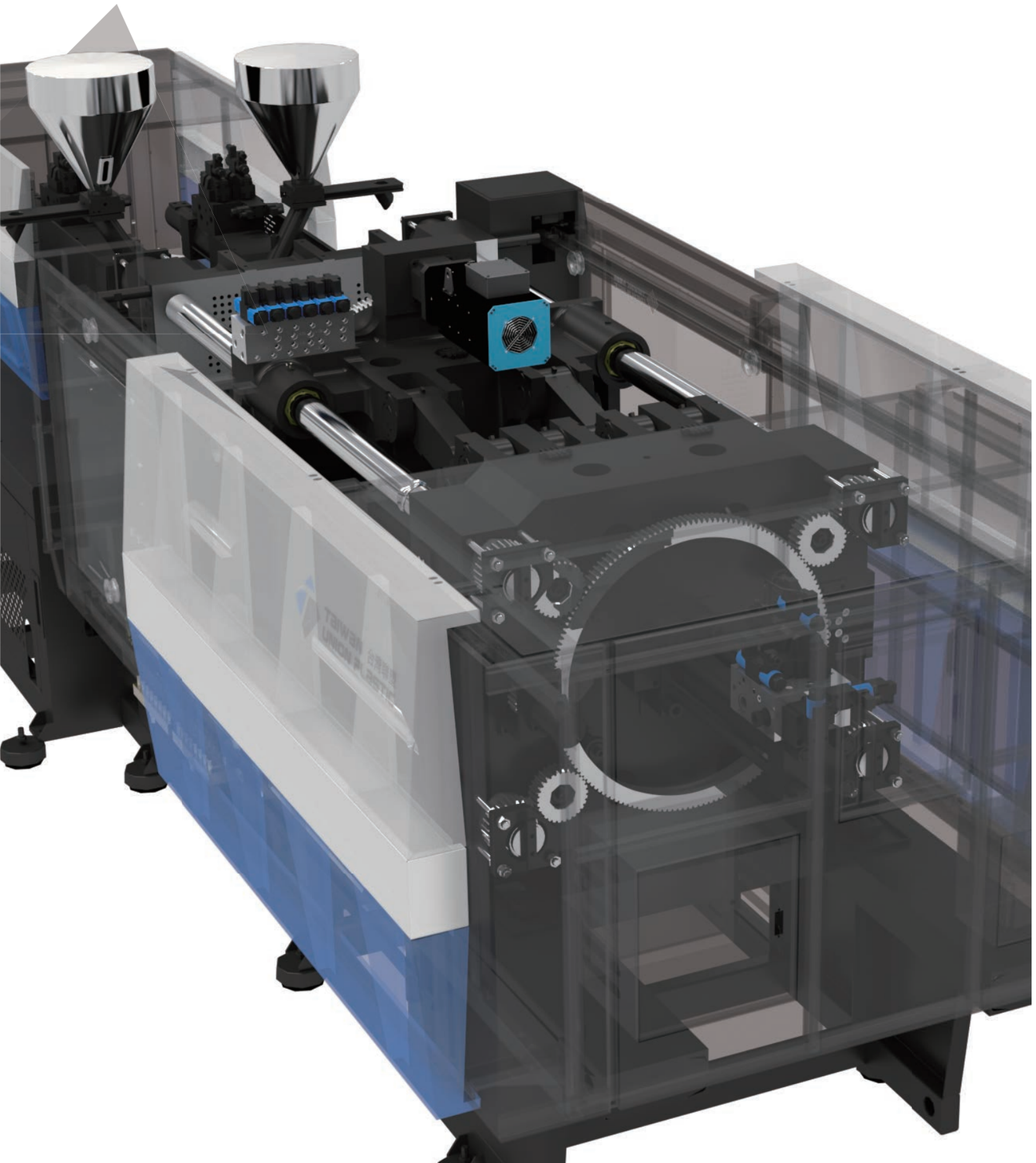
Vertical turntable
Precision Positioning | Reliable & Stable

- The rotary table achieves 180° forward/reverse rotation with servo motor control, combined with positioning cylinders for enhanced accuracy.
- A push-back mechanism on the rear side of the table reduces contact friction with the moving platen during rotation.
- Built-in gear design expands the mold mounting surface area, accommodating a wider range of mold sizes.
- Equipped with multiple TUP patented rotary table devices to prevent common issues such as load-induced tilting.





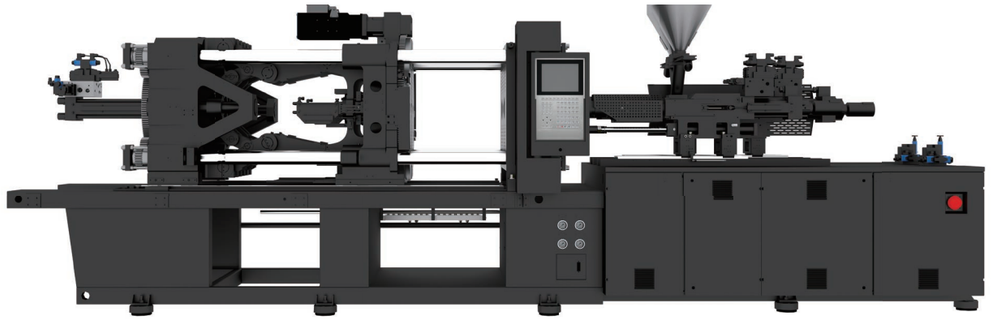
TECHNICAL ADVANTAGE



Stability

High Performance　Flexibility

Large mold space，Multiple core patented technologies Multi-angle injection unit

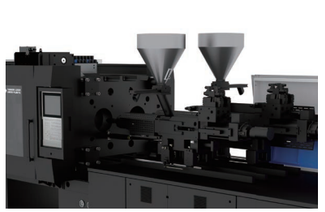
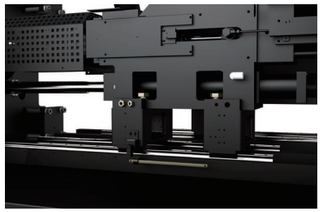


High-Rigid Single-Cylinder Injection Structure

- Low-inertia moving parts design for fast response and high precision
- German Busch-Jaeger sealing structure design; integrated cylinder design ensures excellent leakproofness and stable injection
- High injection precision: injection position controlled by electronic ruler, melt backpressure controlled by proportional valve
- New-generation PID temperature control with barrel temperature accuracy ±1℃
- Independent barrel assembly with synchronized injection action to shorten molding cycle
- Flexible center distance structure and modular injection unit combination design to meet different product process requirements

Special Controller for Multi-Color Machines

- User-friendly design with simple operation, reducing setup difficulty
- Multiple customizable modes available to meet various process requirements
- Precise motion control and accurate positioning to ensure finished product quality
- Optional functions include MES interface, remote networking, online monitoring, etc.

Injection Unit Linear Guide Design

- High accuracy, improving injection precision
- High product repeatability
- Low friction coefficient, ensuring stable operation of the injection unit
- High operating speed