

RuiMu Precision relies on WINTEC: Investment in quality, efficiency and long-term future viability

Weihai, China – November 2025

The Chinese high-tech company Weihai RuiMu Precision has massively expanded its production capacities and is relying on the injection-moulding technology of ENGEL's WINTEC brand. In the newly opened 12,000 m² production facility in Weihai, more than 20 WINTEC machines form the backbone of the highly automated manufacturing operations. With this strategic investment, RuiMu is positioning itself as a global supplier for demanding series products and is establishing "Precision Made in China" as a quality standard in international supply chains.



RuiMu is relying on injection-moulding machines from WINTEC for the expansion of its plant in Weihai, which impress in series production with high cost-effectiveness, reliability and quality.

The strategic realignment of RuiMu is a response to the profound changes in the global manufacturing industry. "In the past, 'Made in China' mainly meant getting things done, with quality being of secondary importance," explains Xiankun Bi, Chairman of the Group. Today, the path into

the premium segment is crucial for future viability. RuiMu is therefore investing specifically in value creation depth and is relying on a machinery pool that meets the highest requirements for quality, efficiency and long-term stability.

WINTEC as the technological backbone

RuiMu's machine park includes all-electric ENGEL e-mac injection moulding machines with a clamping force of 1,800 kN, all-electric WINTEC e-win machines with a clamping force of 3,100 kN, as well as two-platen t-win injection moulding machines from WINTEC with clamping forces between 4,500 and 18,000 kN. This broad setup enables RuiMu to manufacture a wide range of products for international customers in Europe, the USA, Japan and Korea – from automotive lighting to printers and intelligent household appliances.



From left: Feng Zou, WINTEC Sales Agent / Zhaogang Qu, RuiMu / Xiankun Bi, Chairman Shandong Yichen Holding / Dandan Du, RuiMu / De Dong, RuiMu

For Technical Director De Dong, WINTEC is the logical choice: "WINTEC combines the technical DNA of ENGEL with an outstanding fast return on investment. The machines deliver both quality and value." According to Dong, the key features are high repeatability with deviations of less than

0.1 per cent, short cycle times, and a 15 per cent increase in efficiency with more than 20 per cent lower energy consumption compared with previous solutions, as well as full real-time control of all process parameters.

Large free mould space for maximum efficiency

Since RuiMu manufactures a wide range of products, frequent mould changes are part of daily operations. The company benefits particularly from the t-win two-platen machines. Their large daylight opening significantly speeds up mould changes and thereby increases overall equipment effectiveness (OEE). The first WINTEC machine from 2018 has been running without limitations to this day, providing impressive evidence of the long-term stability of the machines.

Digitalisation and process stability

The C3 control unit forms the central element of all WINTEC injection-moulding cells. Operators can store process parameters at the push of a button and reproduce them exactly, which prevents reworking and quality fluctuations. WINTEC's support in the form of training, service and integration enables RuiMu to reliably implement even complex high-volume production with the highest quality requirements.

With the investment in WINTEC injection-moulding machines, RuiMu has found a solution that combines stability, precision and scalability – not only as a technical platform but as part of a shared vision. “We build for generations,” emphasises Xiankun Bi. “The equipment must meet this standard – WINTEC does that.”

Images: ENGEL

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ENGEL is one of the global leaders in the manufacture of injection moulding machines. Today, the ENGEL Group offers a full range of technology modules for plastics processing as a single source supplier: injection moulding machines for thermoplastics and elastomers together with automation, with individual components also being competitive and successful in the market. With twelve production plants in Europe, North America, Mexico and Asia (China, Korea and India), and subsidiaries and representatives in more than 85 countries, ENGEL offers its customers the excellent global support they need to compete and succeed with new technologies and leading-edge production systems.

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