

GemRed

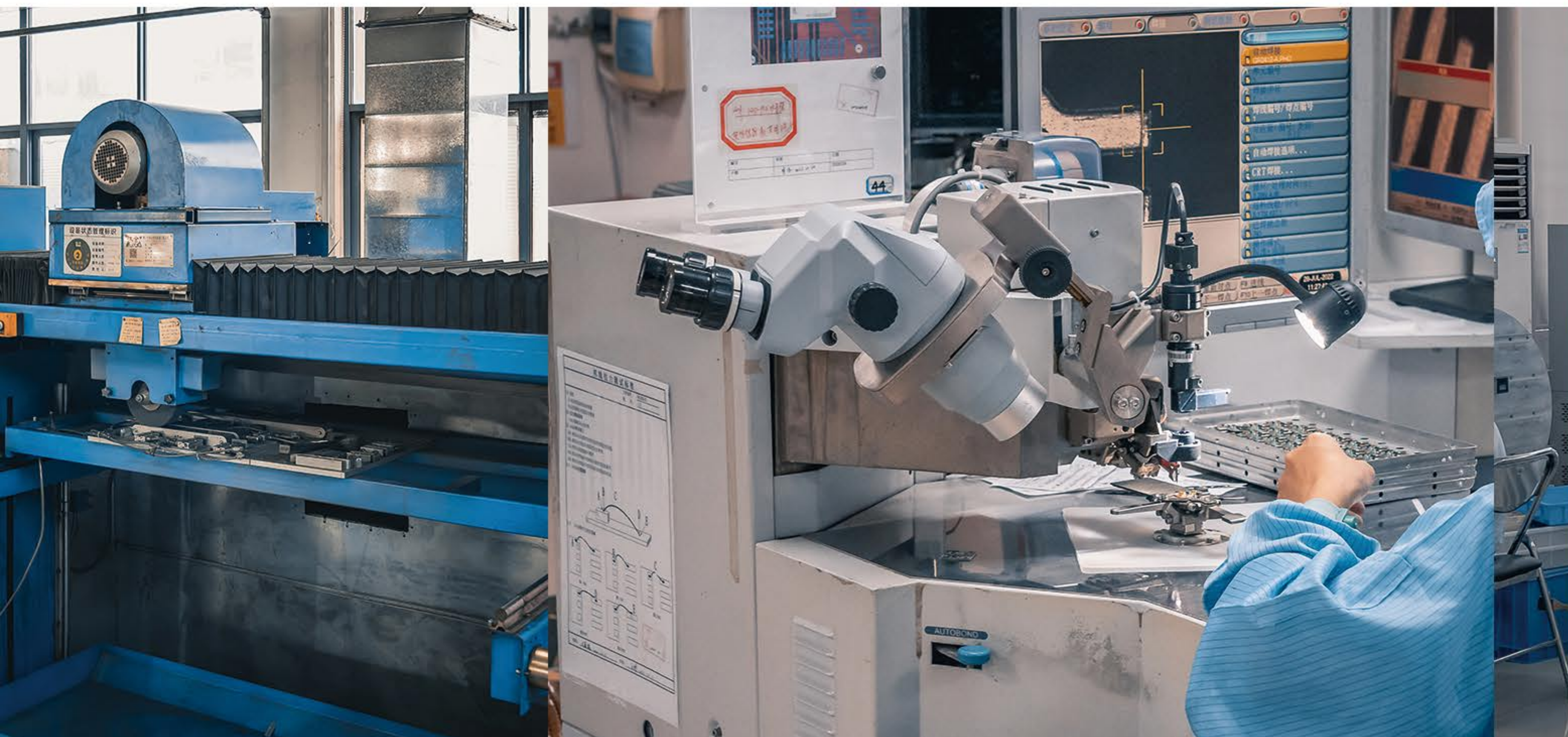
Specialize in measuring instruments of Angle&Level&Distance series



GemRed

www.Gemred.com

Since 2003



About Us

Founded in 2003, GemRed focuses on the development and application research of Capacitive Grating Sensors and MEMS sensors, with the production and sales of angle & level measuring instruments as our core business. So far, our products are available in more than 60 countries, providing customers with a variety of inspection solutions.



Independent R&D and innovation of products

Independent Technology Park

Obtained **44** patents

Annual exports to Europe and the United States amount to more than **2000,000** sets



Our Services



Strict control of product quality



Provide world-class services



Support wireless connection



Support data transmission to the Cloud

GemRed Industrial Inspection Solutions

Based on our own sensing technology, we realize the leap of sensor accuracy **from millimeter level to micrometer level**, and create smart measuring instruments suitable for international machine tools.



GF Machining Solutions Certificate

As the world's leading provider of high-sensing technology, GemRed provides comprehensive solutions for precise manufacturing industries.

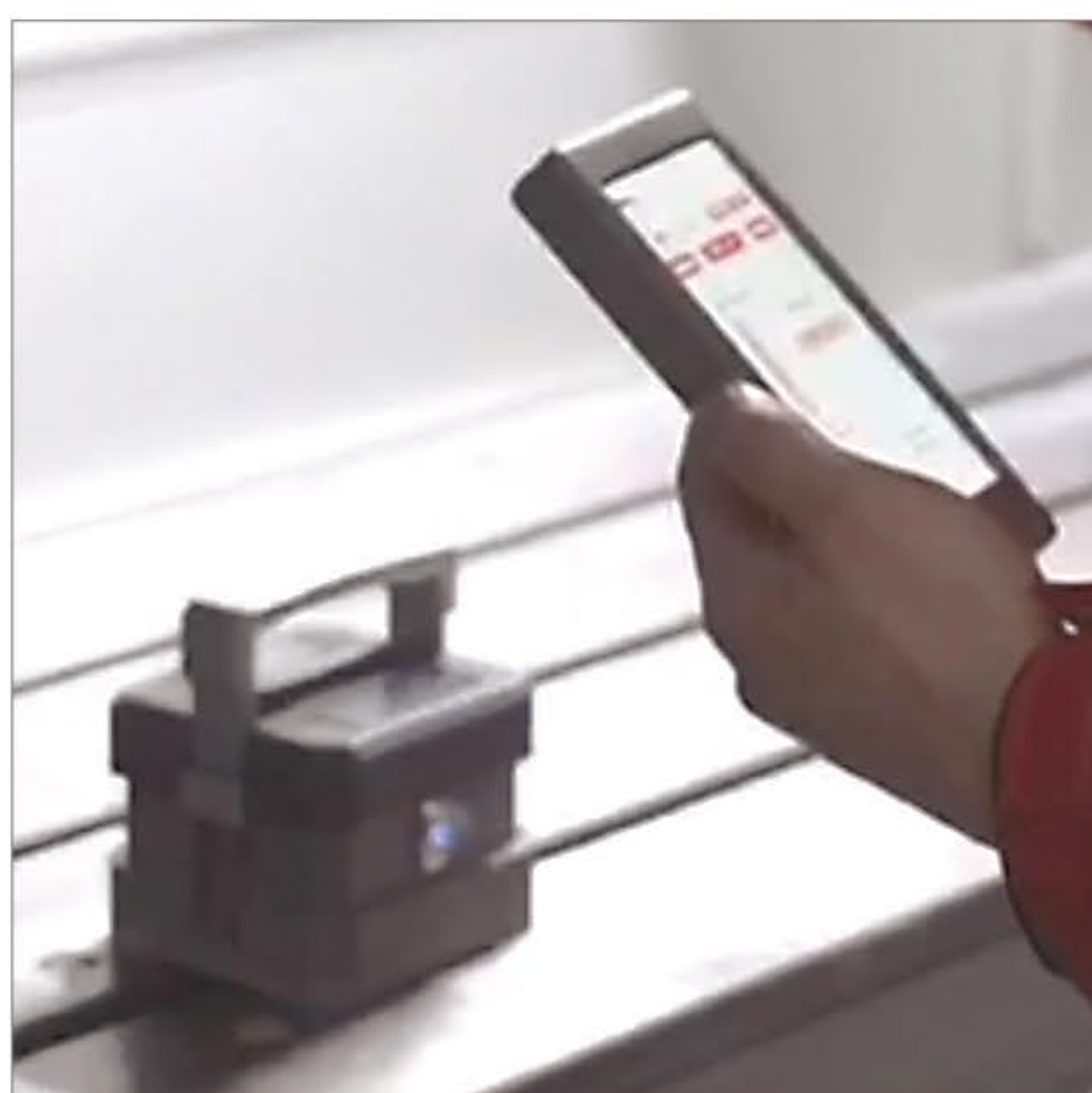


Fast machine leveling & Self-checking levels

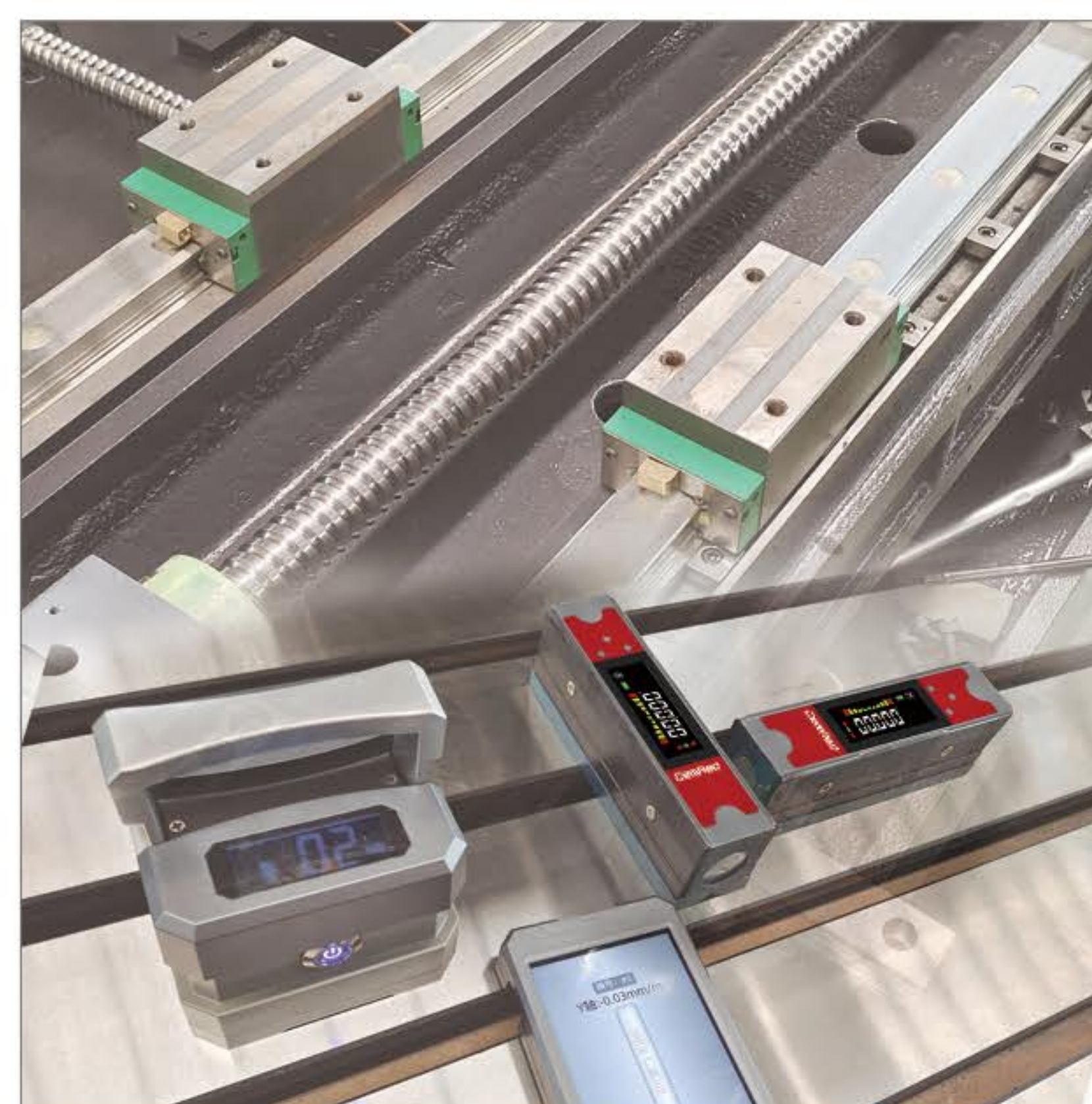
High-Precision Smart Leveling ML200

- Support with wireless Connection to the hand-hold terminal.
- Support with remote detection and data synchronization to the Cloud.
- Support with Multi-Networking.
- Intelligent digital display of dual-axis measurement.
- Fast machine leveling with High-Precision and High-Reliability.





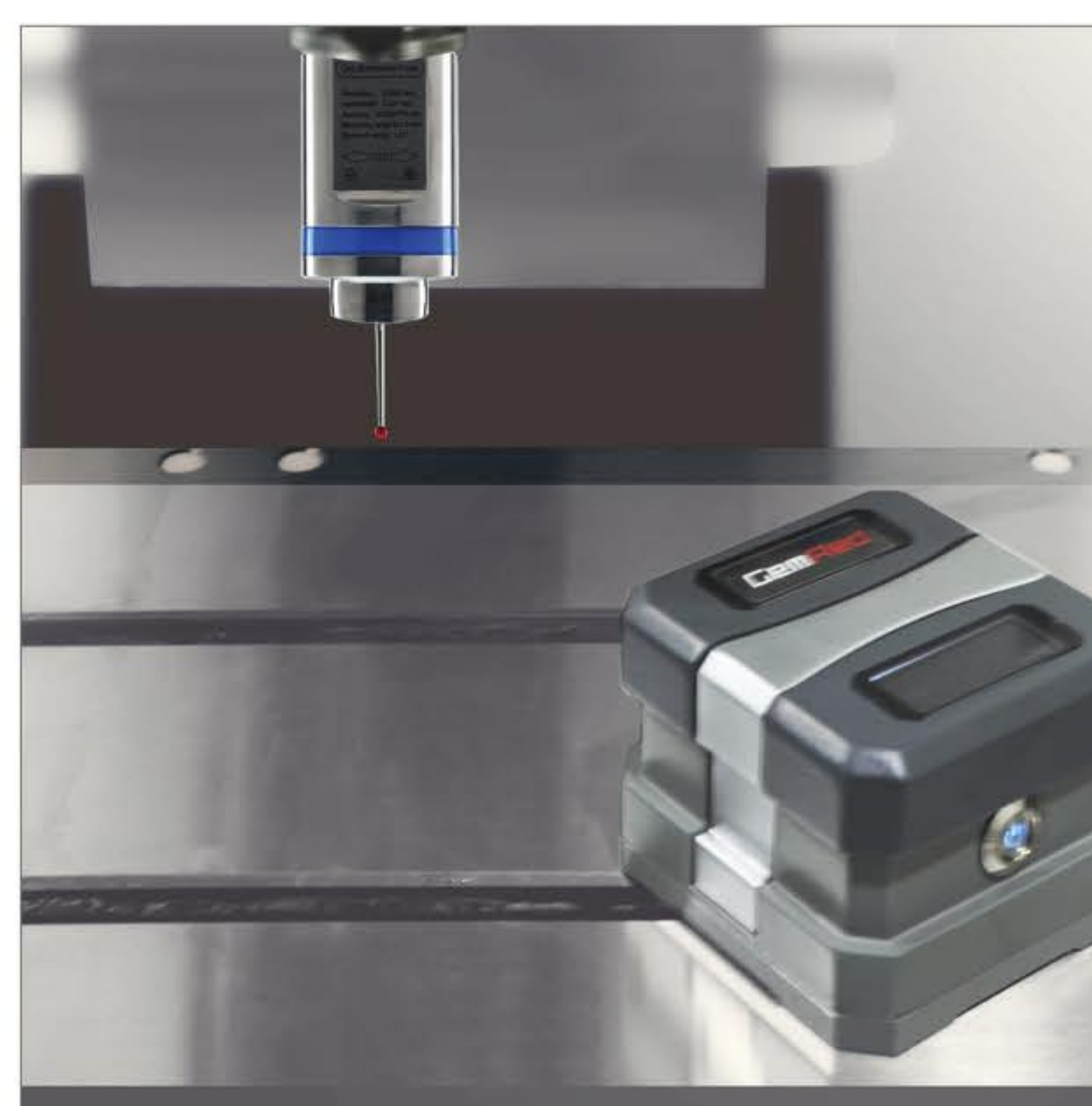
Machine tool table adjustment



optics apparatus assembling



Beam leveling



Equipment inspection

■ Order number: I-ML200

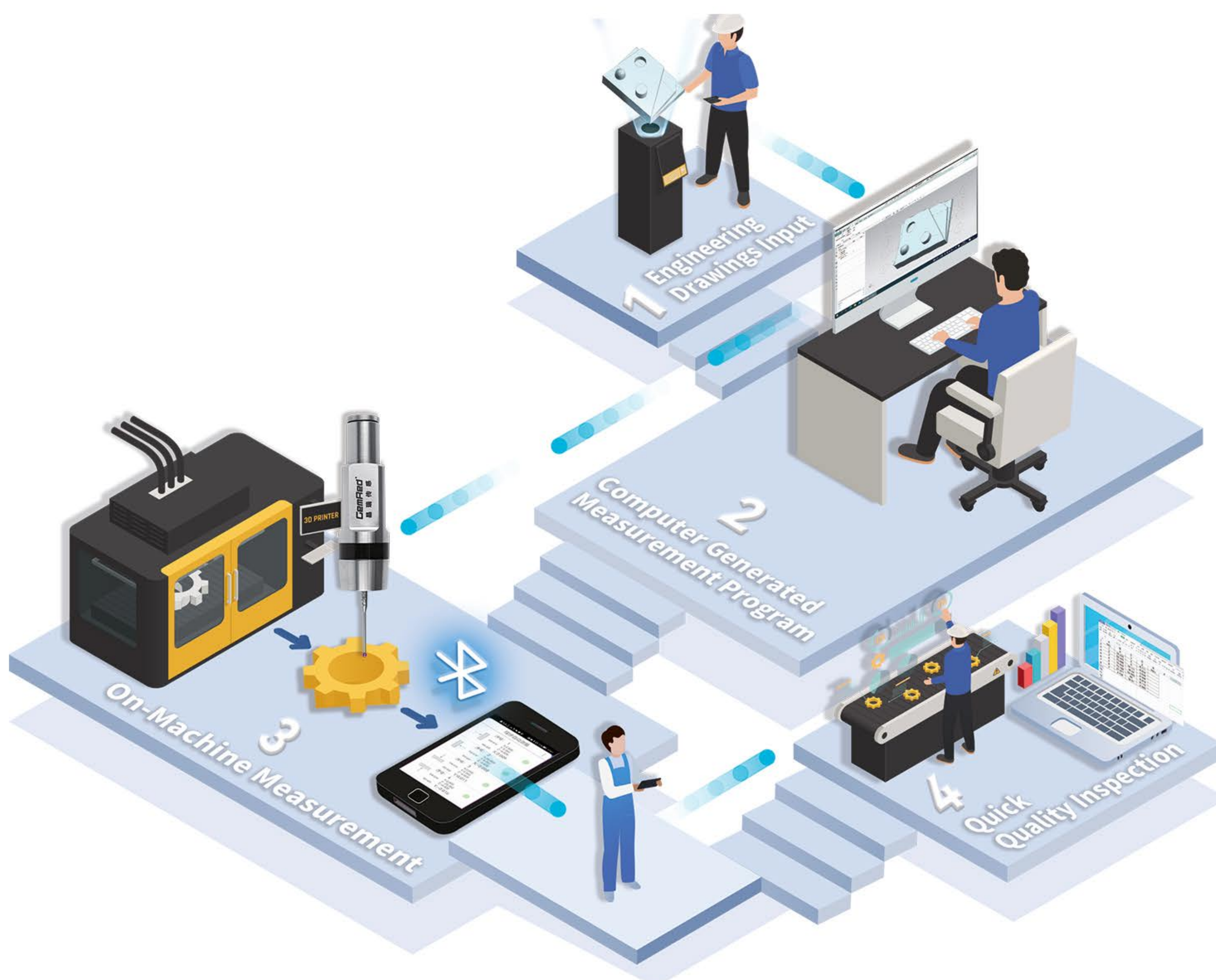
■ Technical Data

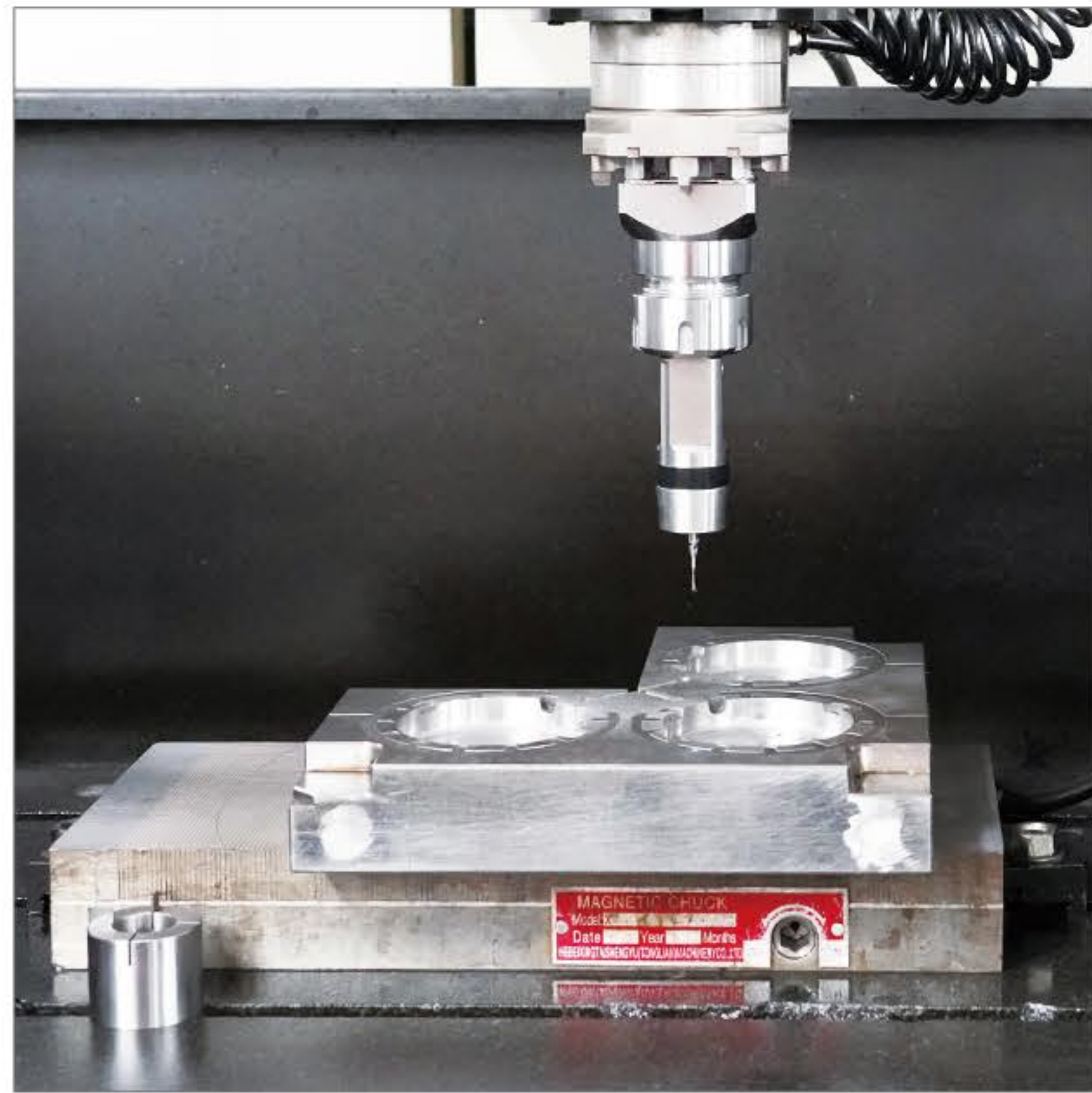
Resolution	0.01mm/m
Accuracy	$\pm 0.02\text{mm/m}$
Measuring Range	$\pm 0.5\text{mm/m}$
Power Supply	DC3.3V-5.0V
Battery Duration Time	>15h
Size	100mm*100mm*78mm(h)

On-machine auto-measurement, judging whether the result meets the tolerance

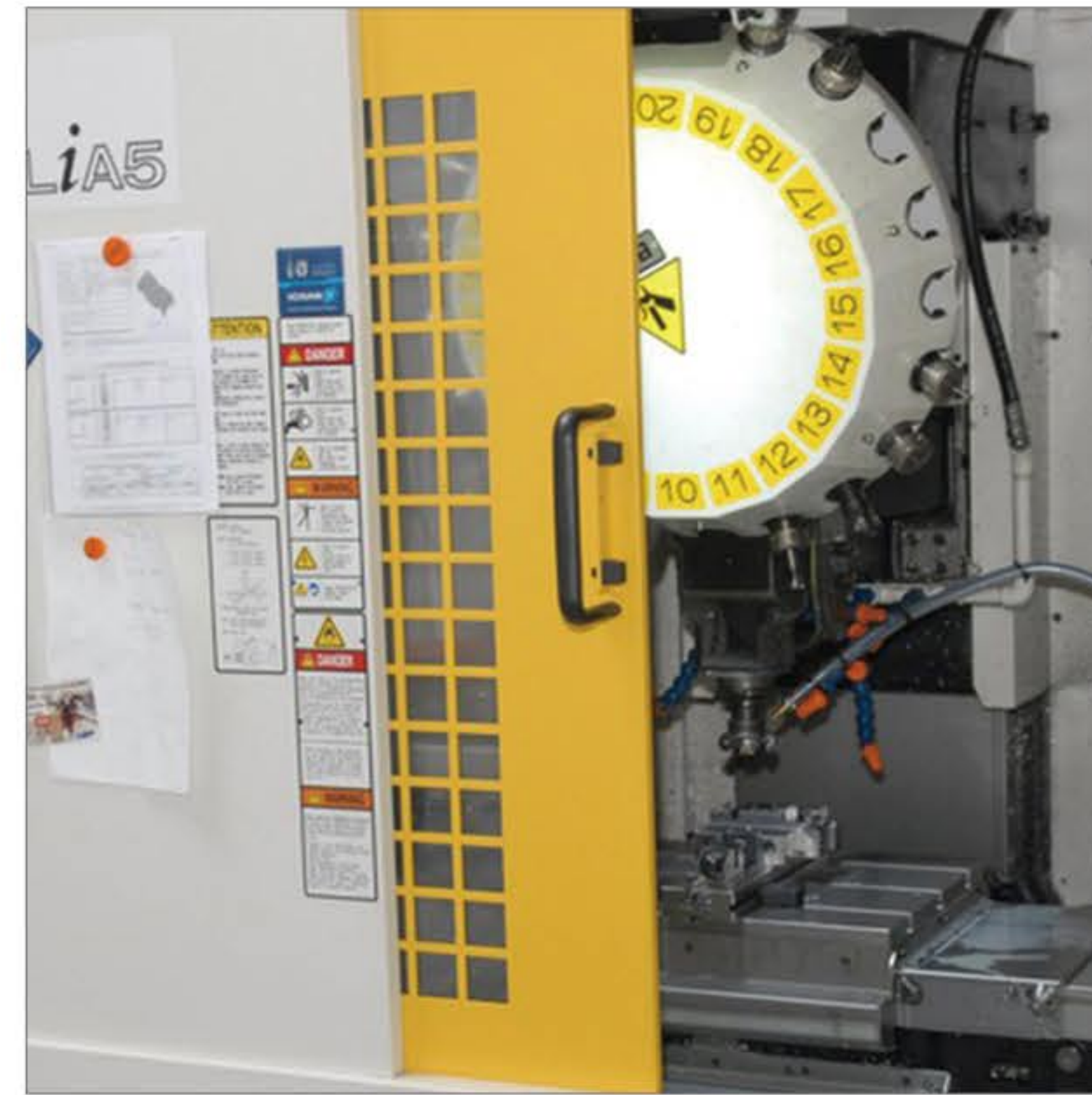
Capacitive Grating Touch Probe PM300

- Auto-measuring: reduce operator error and improve the measurement accuracy with rapid measuring speed.
- Plug&Play: easy to install and debug with low learning cost.
- Autonomous system: independent from the original CNC system of the machine tool.
- Bundled software: quickly generate measuring programs and point-checklists.
- On-machine measuring: avoid re-clamping errors.

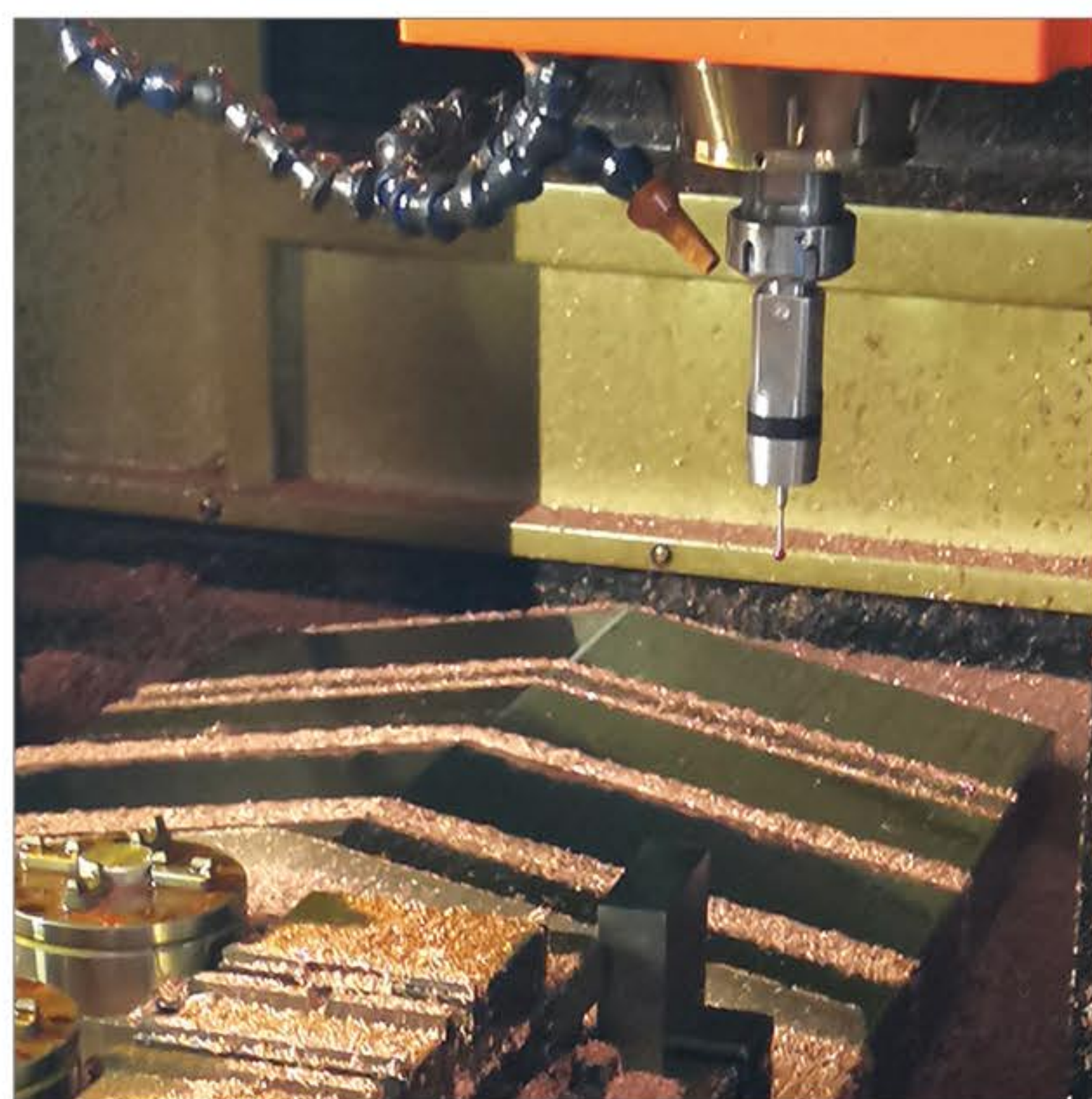




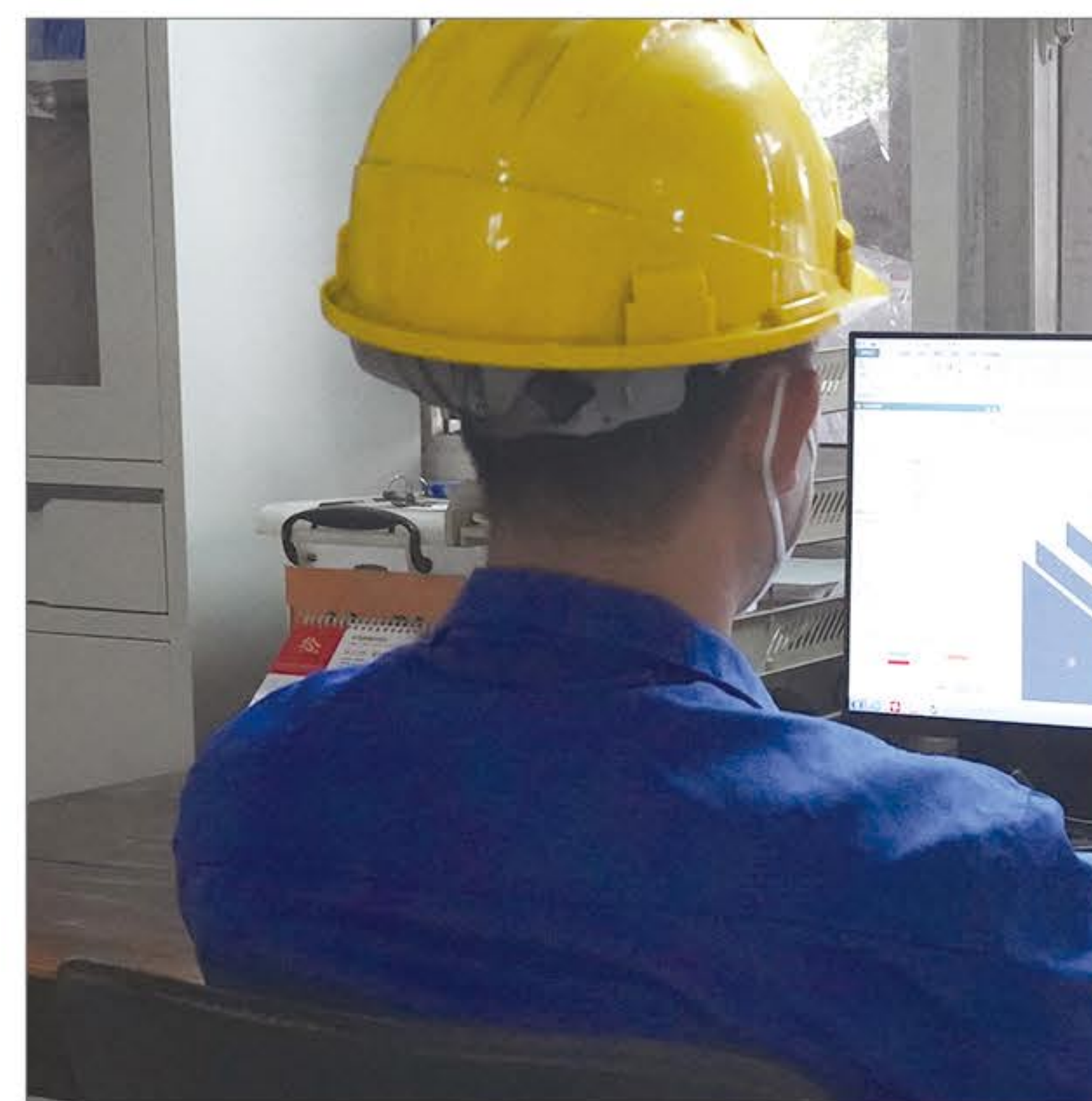
EDM machining



CNC batch processing



CNC electrode machining



One-click creation of measuring programs

■ Order number: I-PM300

■ Technical Data

Resolution	0.001mm
Accuracy	X/Y:±0.006mm; Z:±0.002mm
Repeatability	X/Y:0.002mm; Z:0.001mm
Battery	14250 (3.6V)
Battery Duration Time	480h
IP Grade	IP68

This parameter characteristic is provided according to the product specification of Ø 4mm Stylus ball.

360° measuring device

GemRed Universal Digital Protractor

- Measuring at power-on, no calibration required.
- High quality material with stainless Steel throughout.
- High precision, set with fine-adjustment and acute angle attachment.
- Easily switch to REF mode with one-click.
- Quickly switch among 90°, 180° and 360°.





Angle measurement of workpiece



Device Shell



HD digital display

■ Order number: I-UP100

■ Technical Data

Resolution	1' / 0.01°
Accuracy	±4' / ±0.07°
Size(mm)	137×75×33
Weight(g)	340
Measuring Range	0~360°; 2×180°; 4×90°
Working Temperature	0°C~ + 40°C
Battery	1×CR2032

GemRed ML100

High-Precision Leveling Instrument

- Easy to read with the HD-LCD screen.
- Wide range of applications with the single-axis measuring.
- Data transmit/display/analyze remotely with the wireless connection.
- Support with wireless connection to the handhold and PC.
- Finely ground cast iron base with a flatness of 0.003mm/m.



■ Order number : I-ML100

■ Technical Data

Resolution	0.01mm/m
Accuracy	±0.02mm/m
Measuring Range	±0.5mm/m
Power Supply	DC3.3V-5.0V
Battery Duration Time	>15h
Specification	150mm*46mm/200mm*46mm

Bluetooth display terminal and set with high-precision measuring instrument

- Long battery life with with duration time of 40 hours.
- Support with wireless connection to high-precision measuring instrument.
- View the measuring data in real-time with wireless transmission.
- Flexible combination of wearing, as well as the placement of display terminal.





Contact Us

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