

EROWA®
system solutions



PreSet 3D CNC

Presetting, series measurements

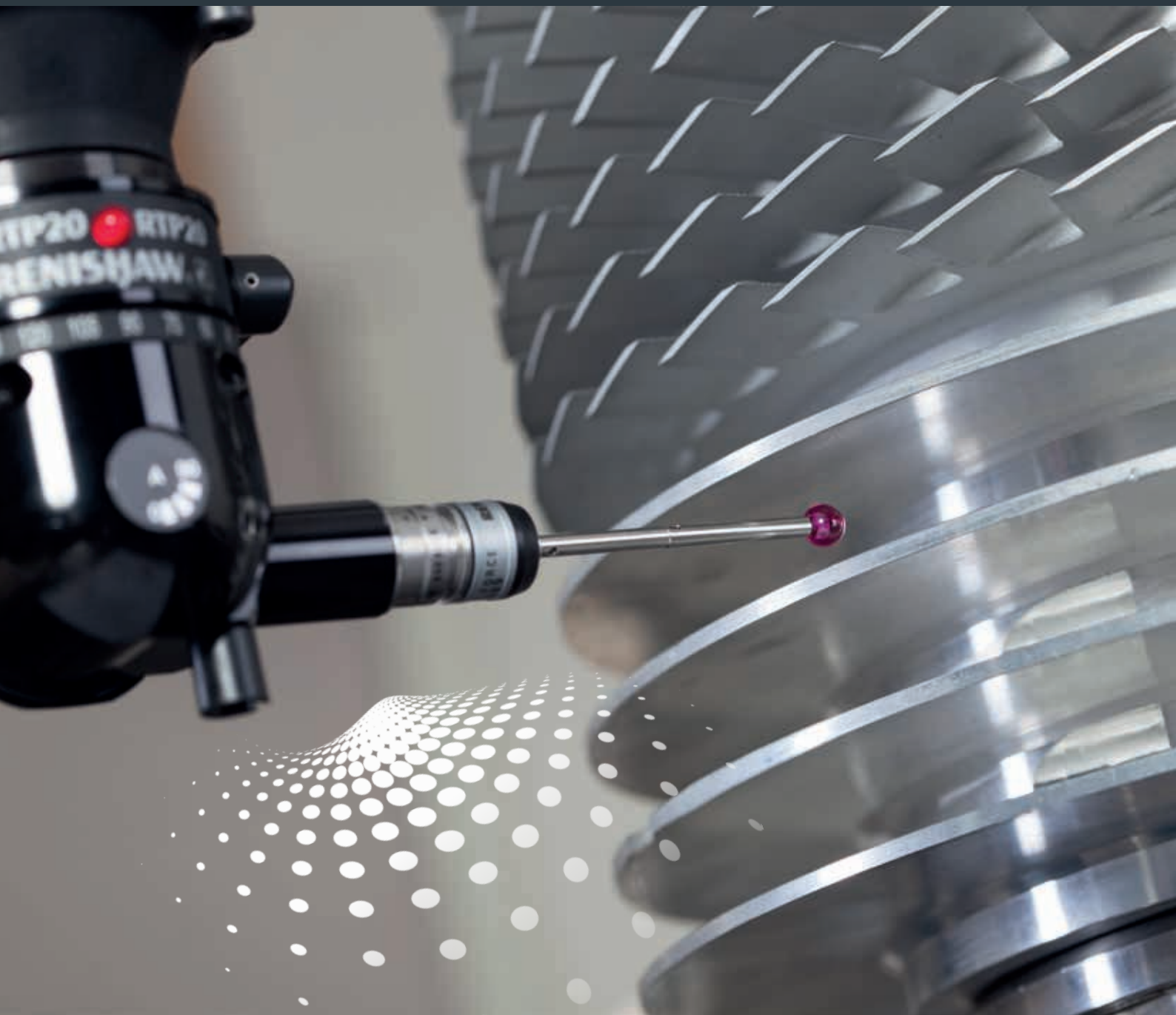


You'll gain 600 more productive hours annually

Setup and preparation in parallel with primary production time is becoming increasingly important.

Throughput times of products need to be continuously reduced.

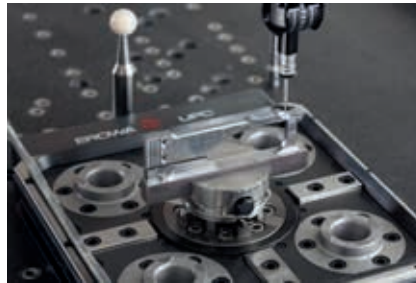
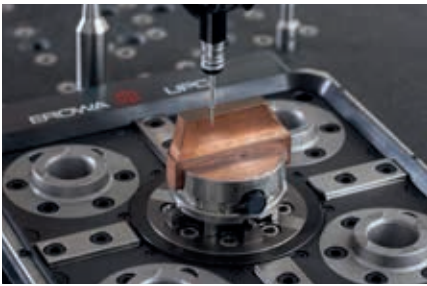
Only systems that are utilized to full capacity increase the productivity of the company.





Workpieces are mounted two to three times until their machining process is completed. Every conversion takes time. Productive time is lost while the machine is being set up.

CNC machines save you 10 minutes of alignment time per electrode.



Easy, intuitive operation thanks to optimal joystick control.

THE FACTS

The setup and presetting station pays for itself in just 2 years

Production quality improves significantly

Throughput times are shorter

Operators benefit from easy-to-follow operator guidance

Easy and fast presetting

The setup cell is provided with an extremely user-friendly software. Macros are selected visually. The graphical user interface helps the operator carry out the measuring cycles correctly.



THE FACTS

- Over 100 animated PreSet programs
- Integrated hole pattern for mounting of EROWA chucks
- Comprehensive software package for presetting, quality measurement and automation
- Prepared for automation
- Reliable workpiece recognition with EWIST™
- Temperature control



01 | Rails

High-precision Renishaw rails with optical probes ensure excellent results. Renishaw probe systems For top quality and unmatched flexibility.

02 | Machine structure

Special aluminum casting for best dimensional and temperature stability.

03 | Natural granite

The high-precision worktop made of black granite forms the base of all EROWA tooling systems that can be set up. The mounting holes are prepared.

04 | Joystick control

Optimal operation for accurate measurements. One control lever for all axes.

Software

With the EROWA presetting software, presetting data can be collected very simply and with graphic support.

Tooling system operation

All systems can be opened using simple rocker levers.

Motorized axes

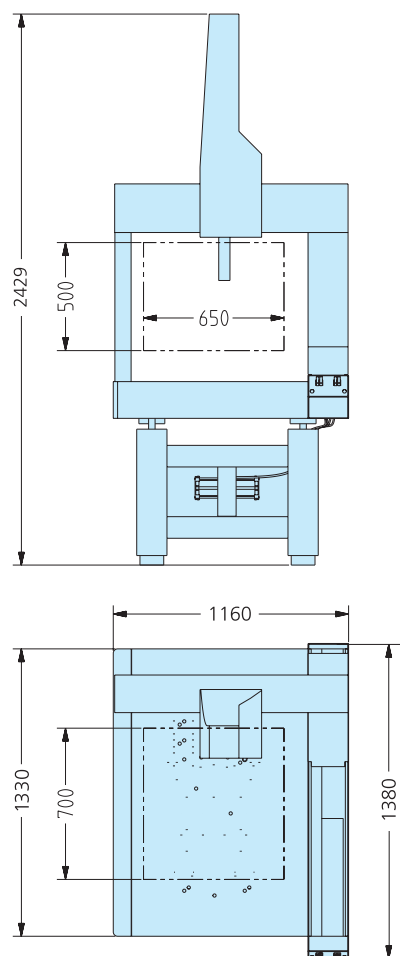
All axes are driven by DC servo motors.

Automated series measurements

Machine tools need to be relieved of unproductive tasks as much as possible. Presetting and measuring workpieces and electrodes are tasks that can be done more efficiently on a measuring station.



Setting up and measuring during primary production time is the motto.
With the Preset 3D CNC, you'll give your operators a machine that is optimally geared to this task.



EROWA PreSet 3D CNC

- Measuring station
(worktop with hole pattern for all EROWA tooling systems)
- Pneumatic control system
- PC and color printer (optional)
- Software for presetting
- Renishaw probe (optional)
- Calibration sphere

For more information, please contact your EROWA dealer.

TECHNICAL DETAILS

X-axis travel*	650 mm
Y-axis travel*	700 mm
Z-axis travel*	500 mm
Maximum distance between table and probe holder (without probe)	688 mm
Maximum distance between the columns at table height	819 mm
Usable area of the granite slab (with EROWA hole pattern)	819 x 1330 mm
Resolution	0.0005 mm
Measurement uncertainty in the volume (according to ISO 10360/2)	2.5 μm + L/300

Machine dimensions

Dimensions LxWxH	1380 x 1160 x 2429 mm
Maximum loadable workpiece weight	650 kg
Machine weight (no load)	775 kg

* other axis ranges on request.

The next step

Important things need to be planned. And your next step is certainly among the important things. It is your start into a new, efficient era. We are pleased to be with you on the way. As consultants, in practice. For you to know at all times what you're engaging in. The next EROWA branch office is not far – **take the step.**



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