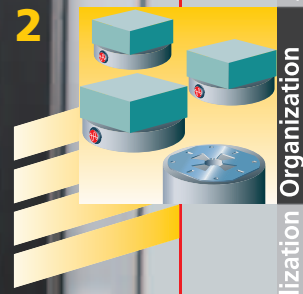


EROWA

PreSet 2D presetting station



Integration
Automation
Organization
Standardization

Presetting electrodes made easy.



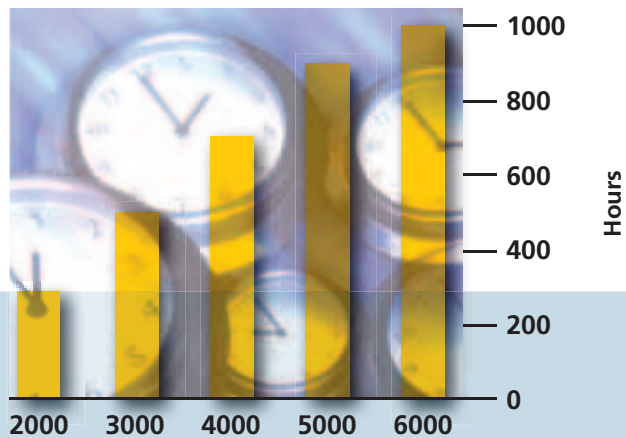
EROWA[®]
System solutions
from one single source

We gain 500 productive hours per year and reduce machining time by up to 70%.

Relieve your CNC machines of unproductive setting-up and presetting work. On the PreSet 2D presetting station, you will determine off-set data considerably more efficiently. Quick in-between checks will help you preserve your high quality standards.

Annual gain in hours.

This is how much you can gain!
You will save 10 minutes' working
time per preset electrode.

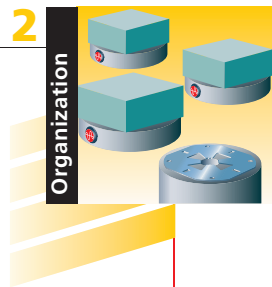


Number of preset electrode per year

With a total of 3000 electrodes used per year,
this will amount to **500 hours!**

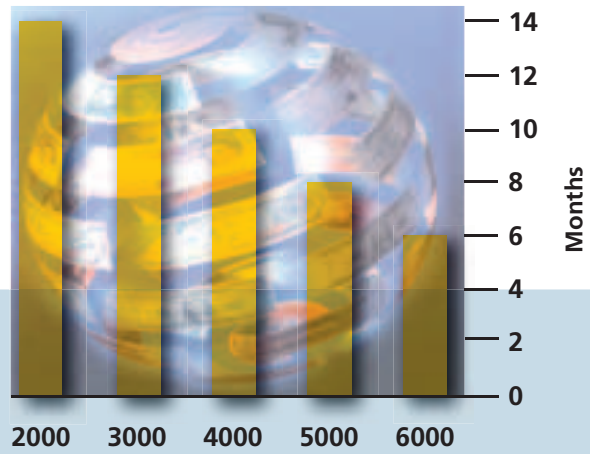
How many electrodes do you use per year?





Hardly bought - amortized already!

The capital expenditure account for a PreSet 2D looks very favorable: with 3000 preset electrodes per year, the presetting station will pay for itself within 12 months.



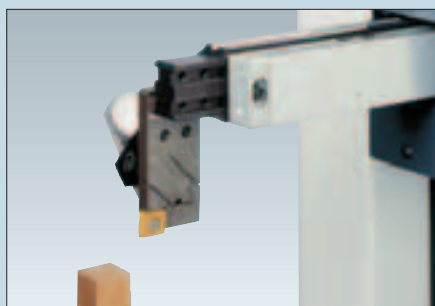
Number of preset electrode per year

Multiply the hours you save annually with your normal hourly rate for an EDM center. Divide the result by the purchasing costs. You will be amazed at how quickly this investment will pay off. In addition, manufacturing safety will increase, the quality of the workpieces delivered to customers will be enhanced, and faster machining times will enable you to deliver more quickly.

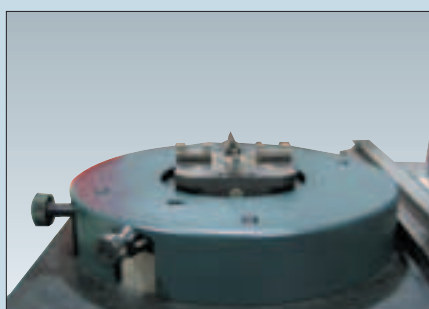
The easy-to-operate display and the ingenious 2D probe make presetting work efficient. The positioning accuracy of the EROWA tooling system allows for quick in-between checks to be carried out. The recorded values can be transmitted to a PC by pressing a key.



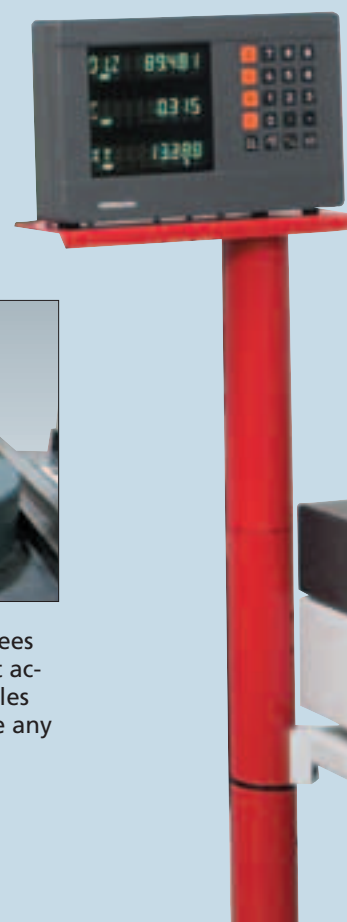
The **easy-to-view display** makes work substantially less difficult. An electro-de presetting program specially developed for EROWA makes work a great deal simpler. Various datum points, absolute or relative measurement and further functions are included.

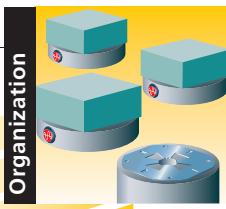


The **2D edge probe** (EROWA patent) is used for most measurements. Angles, lengths, heights and comparative measurements in relation to the ITS system reference point can be determined easily, quickly and precisely.



The **air-cushioned C-axis** guarantees maximum concentric and run-out accuracy. The fine adjustment enables your operator to set and measure any position with precision.





«I want to be able to preset parts quickly! In-between and final checks must be easy to carry out!»



Data transmission from the display unit to a PC is easily initiated with the print key. With the JMS[®] Pro PreSet 2D (option), the data thus received are written into the database. On the PC, the measured values should be displayed in an easy-to-view manner and, if possible, converted to the machine-specific format. For this purpose, we recommend the various JMS[®] Pro postprocessors.



The **microscope** (option) is used as soon as contours or recesses can no longer be reached with mechanical probes.



The **trolley** (option) makes the presetting station mobile. With tricky jobs in particular, it is important that in-between checks can be carried out next to the relevant machine.

EROWA PreSet 2D

the mobile station

that grows

with you

This setting-up and presetting station for measurements in the X-, Y-, Z- and C-axes is often used for electrode production in tool and mold making. The table model has an integrated evaluation facility with monitor display. The station can be optimally equipped with a trolley.

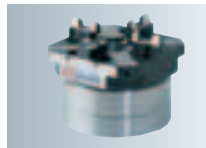
ER-039753 ITS Chuck 100 2D

Repeatability 0.002 mm
 Clamping power 6'000 N
 For systems ITS 50/100
 Palette P ø 148
 PM Palette P ø 85



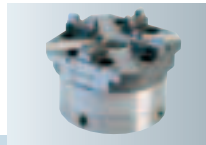
ER-038958 ITS Compact Combi Chuck 2D

Repeatability 0.002 mm
 Clamping power 3'000 N
 For systems ITS 50/100
 Compact



ER-038953 ITS Rapid-action chuck 2D

Repeatability 0.002 mm
 Clamping power 2'500 N
 For systems ITS 50/100

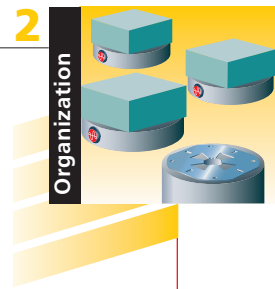


Trolley for PreSet 2D

Technical data

	ER-037930	ER-037940
2D Axis measuring device	Basic 2D	Comfort 2D
Range X/Y	160 mm	160 mm
Range Z	335 mm	335 mm
Fine adjustment, continuous X, Z, C	integrated	integrated
Scales, maintenance-free, resolution	0,001 mm	0,001 mm
Base with integrated C-axis		
Resolution, rotary encoder	0,002°	0,001°
Concentricity, air bearing	U 0,003 mm	U 0,001 mm
Maximum load	50 kg	50 kg
ITS Tooling System	integrated, select a variant	
HEIDENHAIN evaluation unit		
Special presetting software		
99 different coordination systems		
Interface for PreSoft 2D, EWIST™,		
QuickLink, printer	RS 232	RS 232
Probing system, EROWA 2D edge sensor		
Probing system X/Y and Z	integrated	integrated
Exchangeable probe elements	optional	optional
Weight, operational	160 kg	160 kg
Option		
EROWA JMS® Pro PreSet 2D	•	•

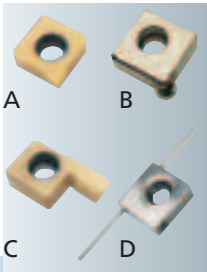
Options and accessories



EROWA 2D edge sensor ER-040983
For the precise measurement of sharp edges, angles, diameters and lengths.



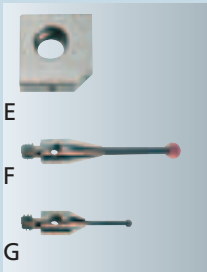
Taper adapter
ISO 30 ER-008852
ISO 40 ER-008854
To preset chip-cutting tools with the relevant taper holders.



Probe inserts
A ER-008623
B ER-008562
C ER-008831
D ER-008628
For the 2D edge sensor.



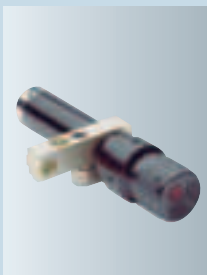
Compact ITS adapter ER-020487
To clamp the Compact system into the ITS system.



Probe insert 3 x M2 E ER-009899
ø 2 mm F ER-003350
ø 1 mm G ER-003358
For the 2D edge sensor.



Fine adjustment Y-axis ER-011110
For 2D axis measurement device. Suitable for series measurements with the X- and Z-axes.



Microscope ER-008756
To determine profiles, recesses and boreholes. Magnification factor: 30.



Evaluation station ER-007805
To record and process data in JMS[®] Pro. Printer included.



Cold light
220 V ER-032916
110 V ER-032917
For microscope. For an optimal lighting of the magnification range.

Take the next step.

Important matters require planning. And your next step is certain to be an important decision advancing your company even further. We will gladly support you during every step. You can profit from our advice and practical experience in today's modern and flexible manufacturing concepts.

Take that important next step. Contact an EROWA agency near you.

EROWA AG 039971 e/07.04

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