

EROWA EDM Tooling System

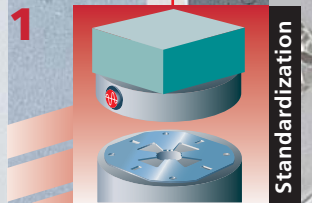
EROWA® SWISS

Integration

Automation

Organization

Standardization



The modular clamping system for
erosion and milling



EROWA®
System solutions
from one single source

EROWA ITS chucks – a suitable version for each job

The applications of ITS chucks are as numerous as the jobs to be done in precision mechanics and in tool and mold manufacturing. This is why we offer such a diverse variety of chucks.

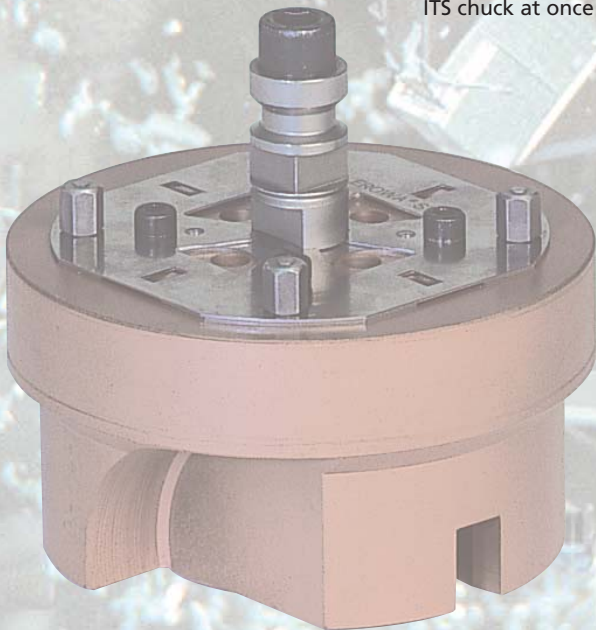


Ideally suitable for milling, drilling, grinding, turning . . .

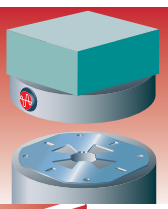


Save time
Machine changes and in-process control without loss of time thanks to fixed reference position.

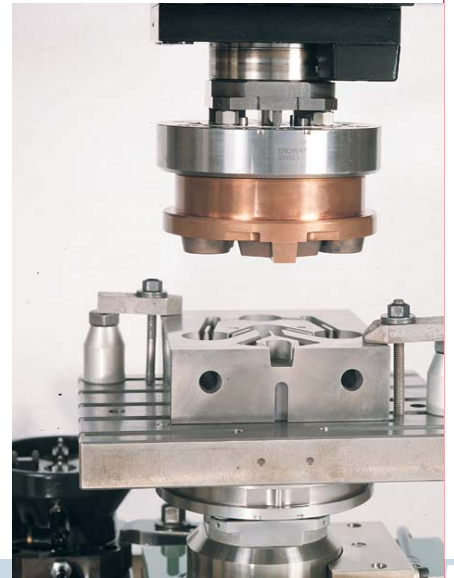
The centering plate is fitted directly on to the electrode or the workpiece...
...which is then transferred to the ITS chuck at once!



Exploit marginal and night hours by loading EDM machines automatically: ITS provides you with the necessary prerequisites.



Checking outside the machine: quick, simple, precise.



ITS chucks: Perfectly suited for integration in special fixtures.



Precision and reliability in the tank and on the quill of the EDM machine.



Loading machines with preset parts will increase your capacity.



EROWA ITS

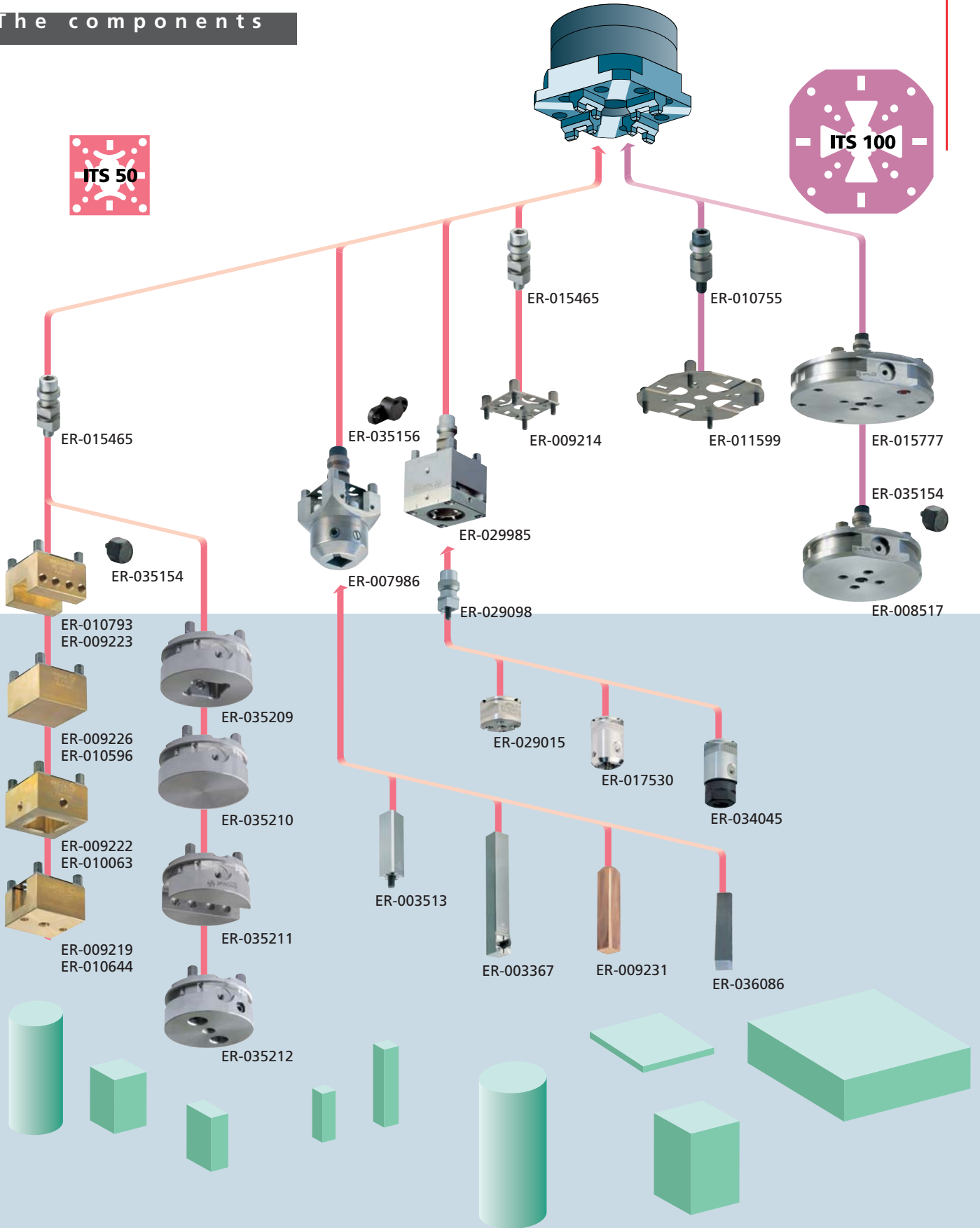


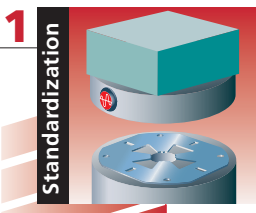
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Integrated tooling system

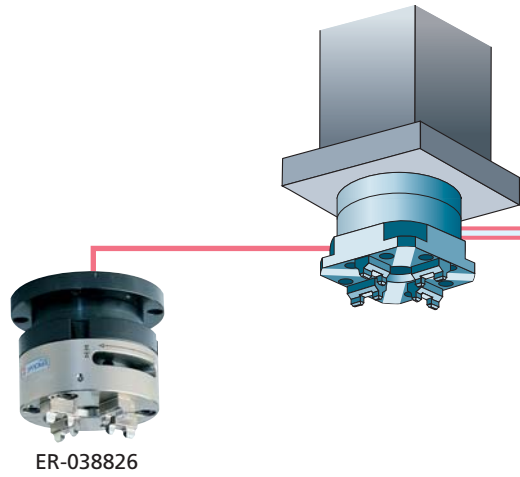
The components



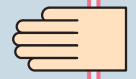


Mechanically activated

Quill chucks

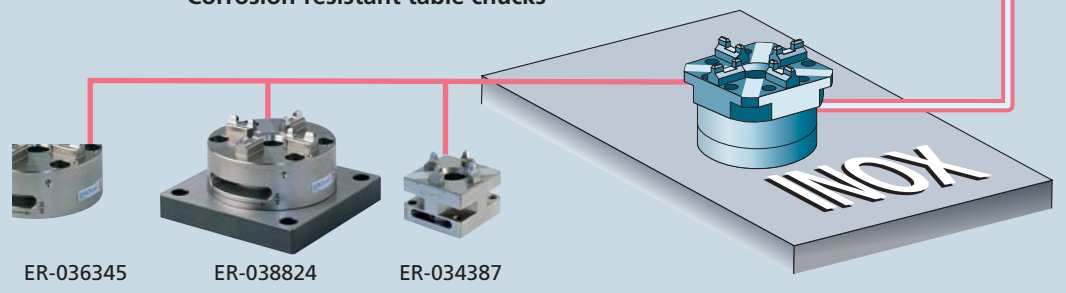


ITS - the original
 Tens of thousands in successful operation and patented worldwide since 1984.



EROWA ITS

Corrosion-resistant table chucks



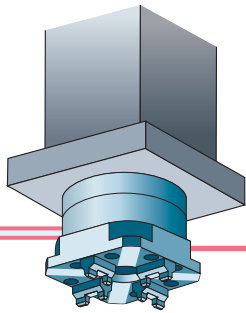
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EROWA ITS chucks

The chucks

Pneumatically activated



Quill chucks



ER-001846



ER-010590



ER-010538



ER-008988

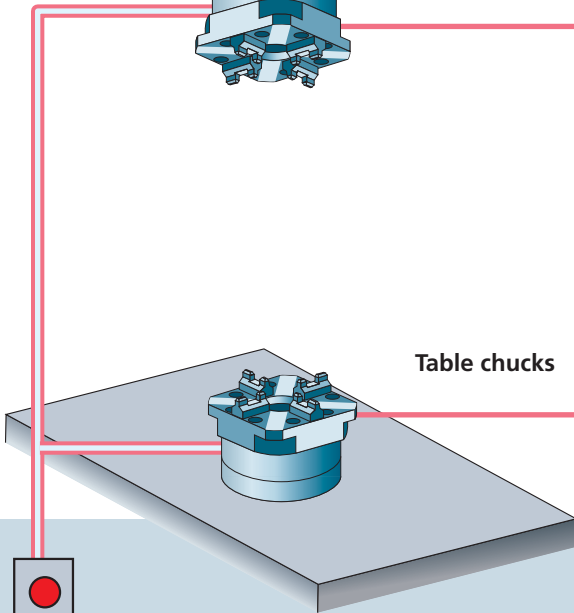


Table chucks



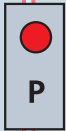
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ER-007521



ER-007580



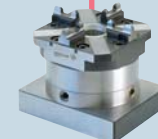
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ER-035519



ER-007604



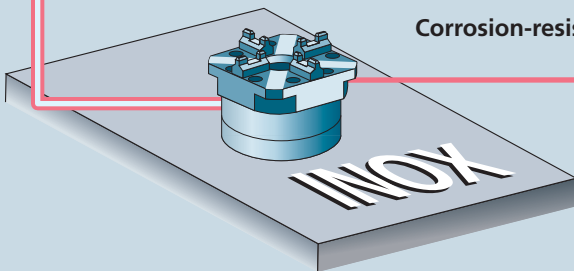
ER-012299



ER-012297



ER-007612



Corrosion-resistant table chucks



ER-043123



ER-043124



ER-039324



ER-039325



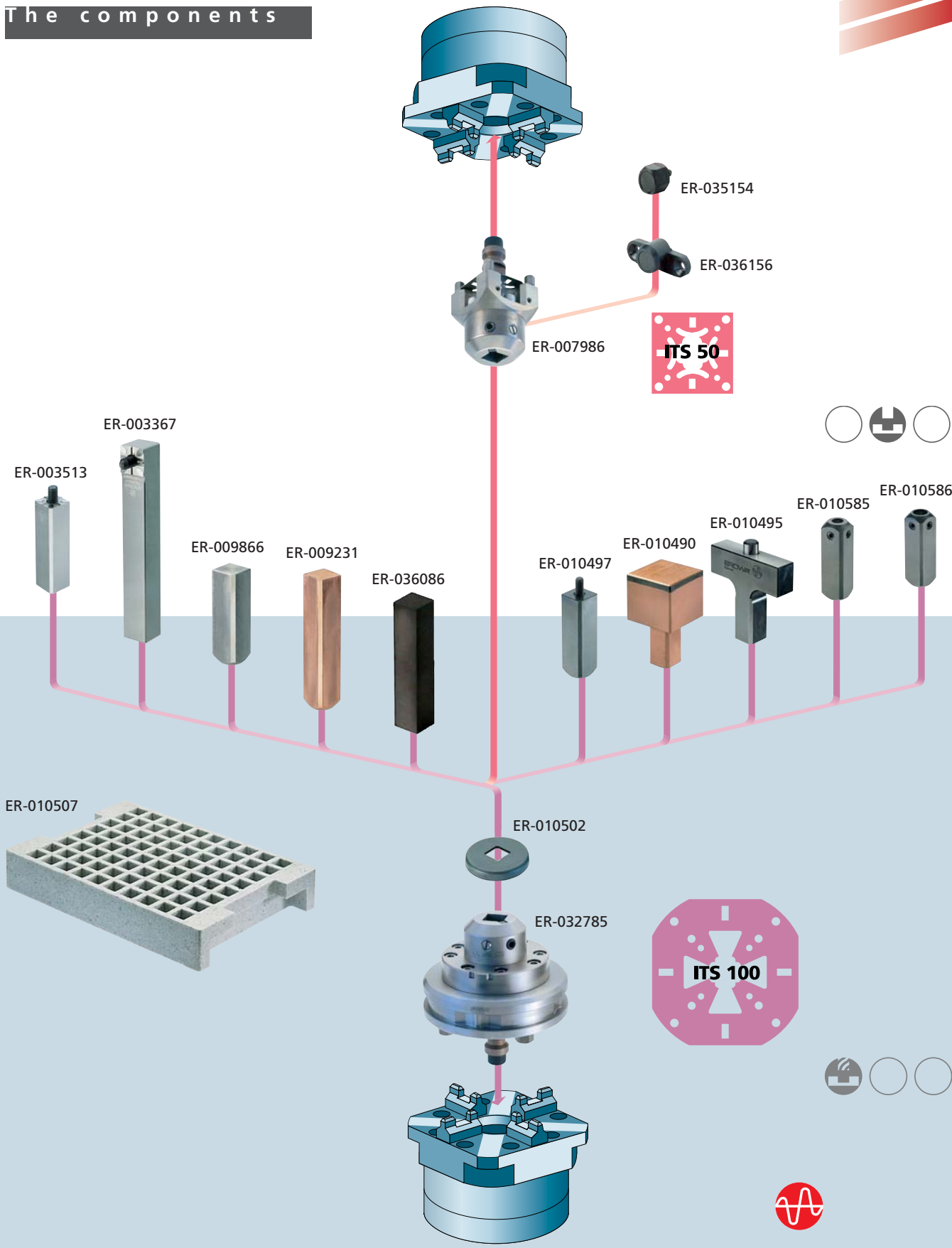
ER-011803



ER-008186



The components

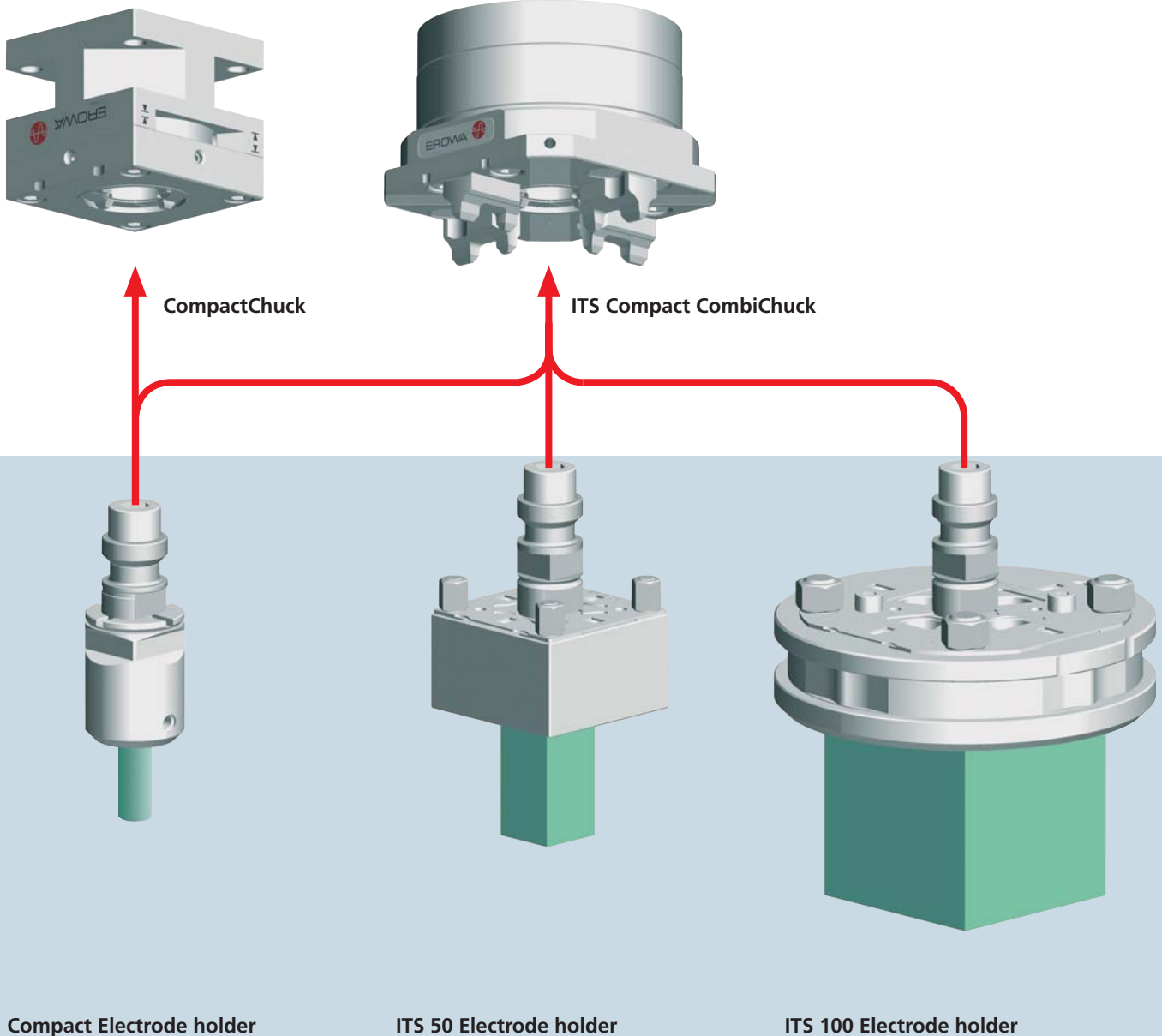


EROWA ITS

EROWA ITS Compact Combi

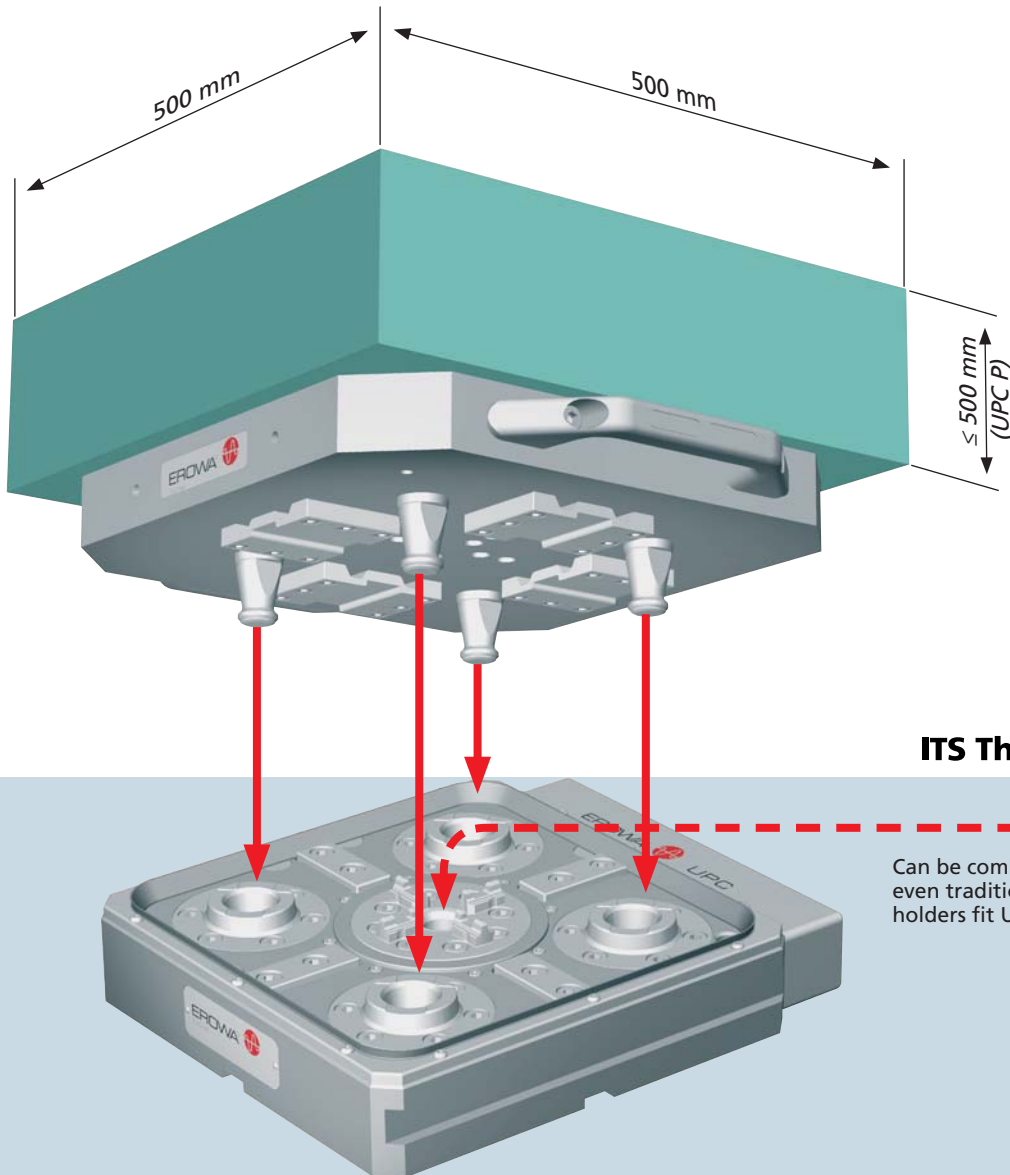
Three in one

Seamless integration into the existing ITS system.
The ITS Compact CombiChucks have the same mounting borehole grid as the conventional EROWA ITS chucks.
Universal clamping of three systems in one single chuck.
High precision and great performance due to the patented EROWA tooling technology.
Whether on the machine table or in the tool quill: EROWA's ITS Compact CombiChucks can be used everywhere.



EROWA UPC

you might as well try to
move a mountain



ITS The  riginal.

Can be combined flexible:
even traditional ITS pallets and
holders fit UPC perfectly well.

A few highlights:

- Air-cleaned support surfaces.
- Economically priced centering segments for the in-house construction of pallets.
- Pallets can index $4 \times 90^\circ$.
- Stable centering segments with patented initial tension.
- ITS chuck can be integrated in the center (option).
- Four fixed chucking spigots which also serve as supports for pallet storage.
- Economically priced aluminum pallets with hardened Z-supports as a basis for any fixture.

EROWA's UPC (Universal Power Chuck) breaks through the conventional limits of precision, stability and workpiece size. Now, $500 \times 500 \times 500$ mm have ceased to be a problem. And the $2\text{-}\mu\text{m}$ precision will not be impaired at all.

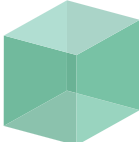
















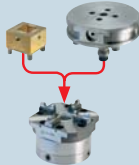


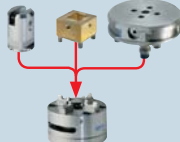
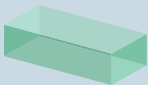

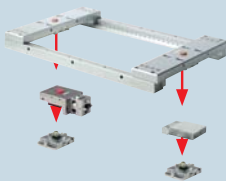
A decisive factor for ITS users: the central ITS chuck guarantees seamless integration into the existing system.



EROWA®

EROWA ITS

You will find more information in our general catalogue about the following clamping systems:

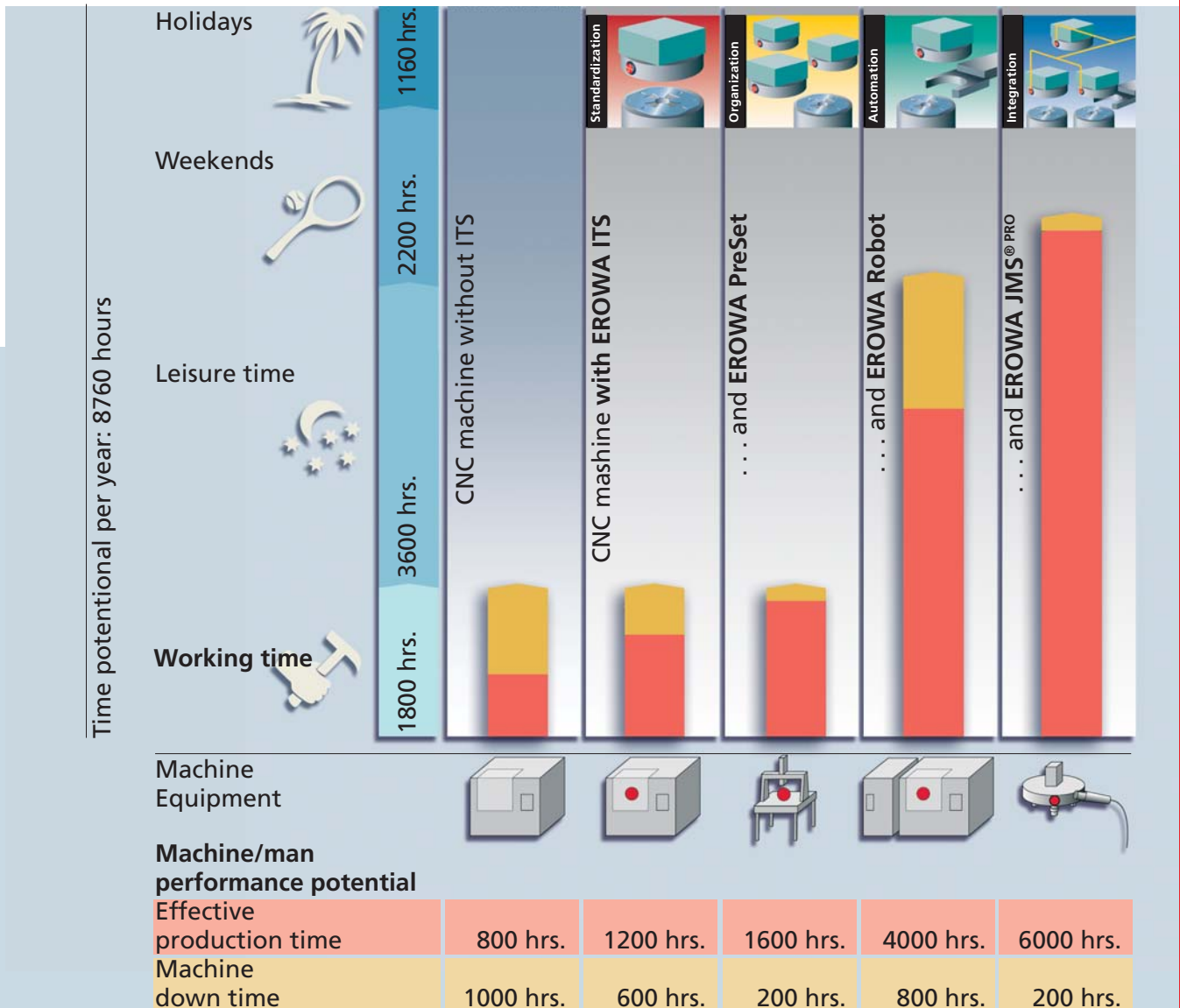
			EROWA MTS palletizing system	MTS
Machine dependent			Page 12 – 41	
			EROWA UPC palletizing system	UPC
500 x 500 x 500 mm			Page 42 – 53	
			EROWA ProductionChuck 210 tooling system	ProductionChuck 210
400 x 400 x 400 mm			Page 54 – 71	
			EROWA PowerChuck P tooling system	PowerChuck
160 x 160 x 160 mm			Page 72 – 85	
			EROWA ClampSet palletizing system	ClampSet
200 x 200 x 200 mm			Page 86 – 97	
			EROWA ITS tooling system	ITS
140 x 140 x 140 mm			Page 98 – 161	
			EROWA ITS Compact Combi tooling system	ITS Compact Combi
50 x 50 x 50 mm			Page 162 – 185	
			EROWA ITS Accessories	
			Page 186 – 193	
			EROWA Wire Tooling System	Wire Tooling
Machine dependent			Page 194 – 243	
			EROWA Peripheral equipment	
			Page 244 – 247	

Optimal use of resources

As a responsible investor, you make sure that the resources in your company are used as well as possible. Machines must be utilized to the greatest possible extent. Only in this manner can competitive product prices be realized.

This is where EROWA's FMC concept comes in: productivity is increased through the elimination of setting-up work from the machines. The autonomy of the machines is improved through the automatic workpiece change during marginal hours and night hours. Round-the-clock production is achieved with one single manned shift. Flexibility in production planning is kept high with the use of the easy-to-handle JobManagement System.

You will put your machines to optimal use with appropriate EROWA components. We will be glad to give you the benefit of our long years of experience. You call us - we'll come round.



EROWA®

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.

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