

Free your valuable WEDM centers from unproductive setting-up and presetting time. EROWA's Wire EDM Tooling System will enable you to generate considerably higher profits from your investments.

Resetting costs time.

Time is money Resetting costs money.

«We save
660 productive hours
a year.This
makes us
highly
competitive!»

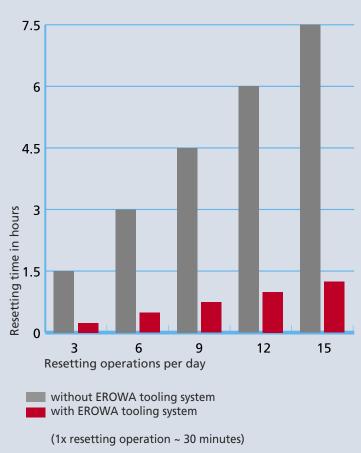
Investment calculation

Investment in tooling system:
Productive hours gained per year:
Hourly rate, machine:
Additional gain per year:
Amortization of tooling system:

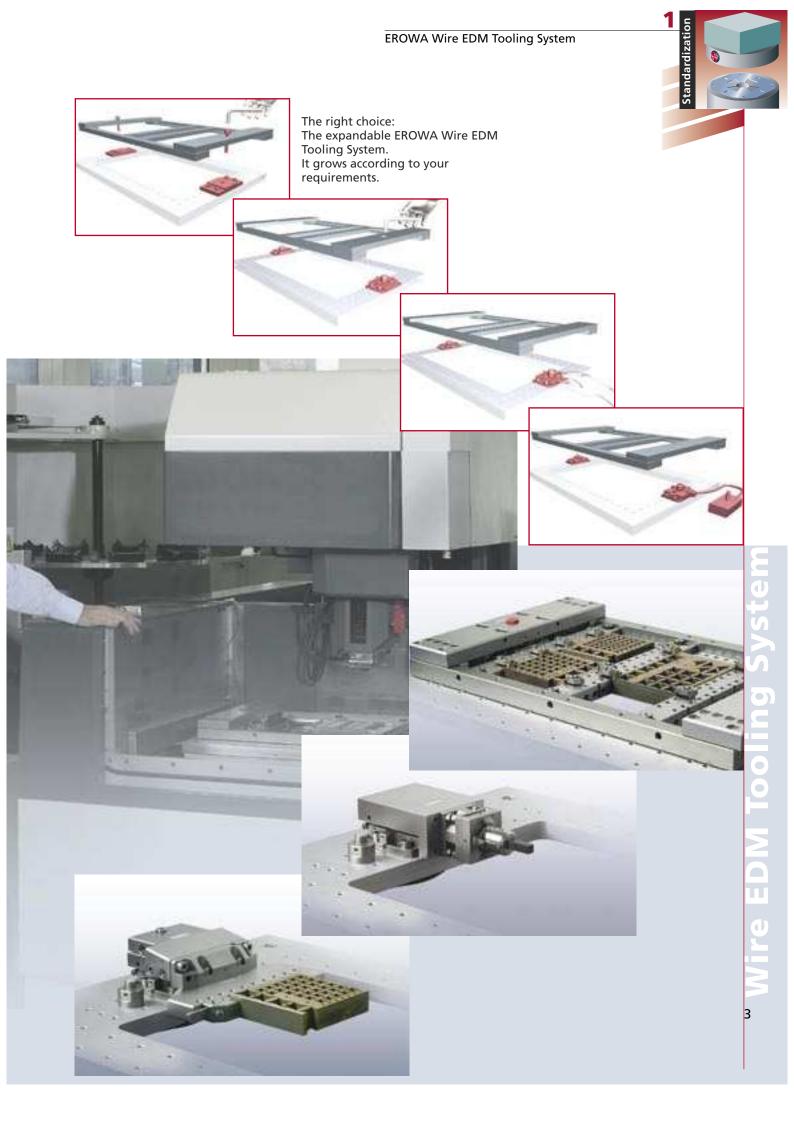
\$ 20,000.— 3 hours x 220 days \$ 60.—

660 hours x 60 = \$ 39,600 20,000 : 39'600 = **0.5 year**

An optimal utilization of machines is a central factor for competitiveness.

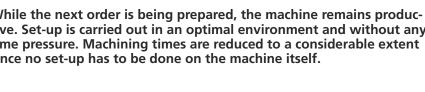


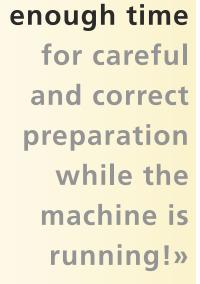




While the next order is being prepared, the machine remains productive. Set-up is carried out in an optimal environment and without any time pressure. Machining times are reduced to a considerable extent

since no set-up has to be done on the machine itself.





«I have





Z-Vario – every workpiece at the correct height.





Clamping frame-

for small and big workpieces.









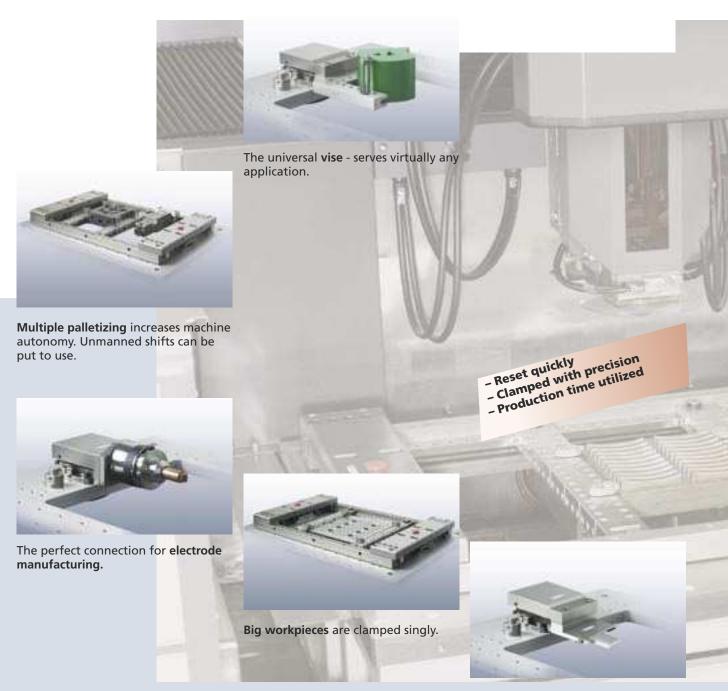
Loading Robot – for more machine autonomy at night and on weekends.

EROWA Lift – to take care of your back and easy on the machine.

Find a workpiece you can't clamp!

The right solution for every application.

With well-thought-out combinations of vises, clamping elements and clamping beams, any conceivable workpiece can be clamped. The repeatability of EROWA's Wire EDM tooling system allows for workpieces to be preset outside the machine and for safe automatic loading. Ongoing jobs can be interrupted for express jobs and then continued later.



Free access to wire guides even if the workpieces is only a few milimeters thin.

EROWA Wire EDM Tooling System:

clamping elements for all

Clamping elements for fixtures



Fixtures for adapters

workpieces basic equipment for every machine



Adapters for interfaces



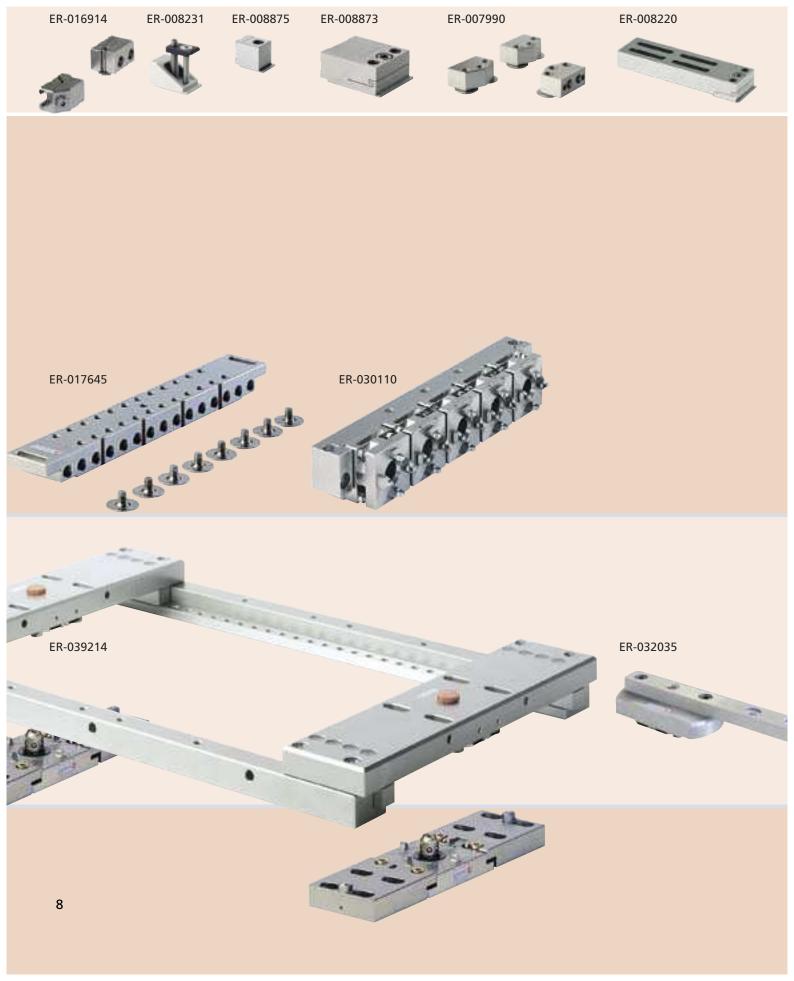


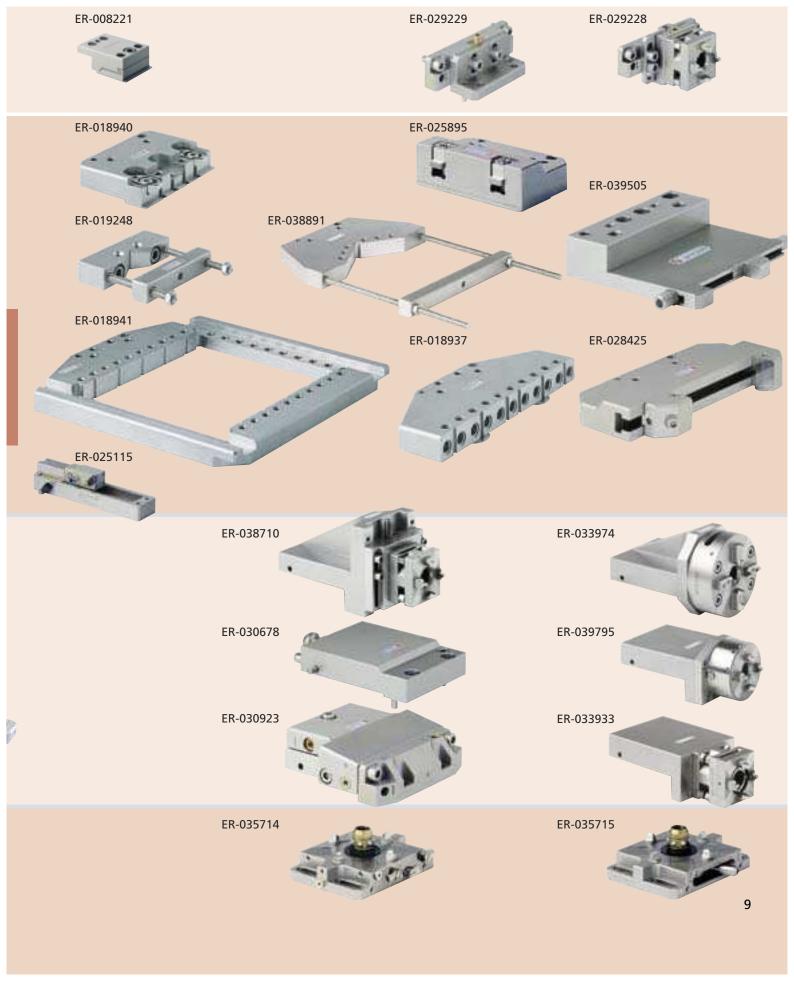




Interface to machine table











ER-008814



ER-008842



ER-007935

ER-008856



ER-016691



ER-014722



ER-014698



ER-039504



ER-012727



ER-007877



ER-038711



ER-028471



ER-017198



ER-007852

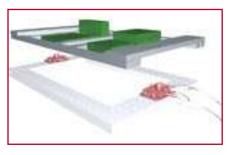


ER-022583





Combination of frame and UnoSet for electrode machining.



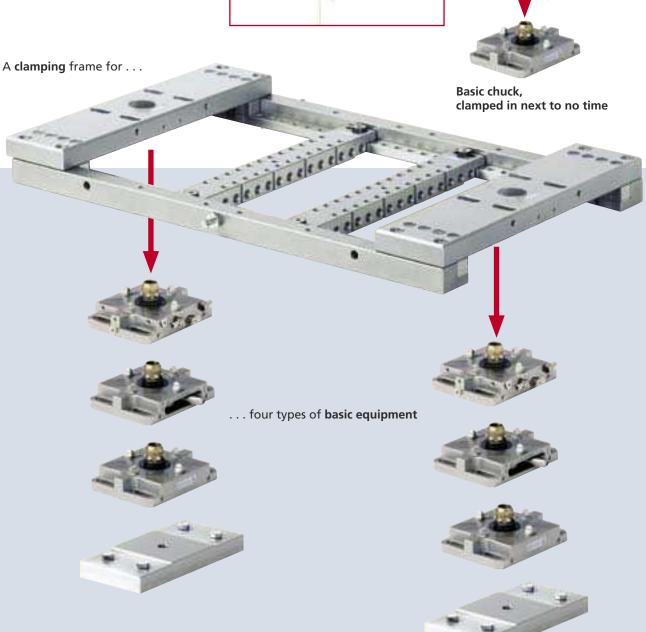


Easily removed when workpieces become too big. The base can be remounted and ready for action within 30 minutes.



Well-thoughtout, precise, variable and extendable: **EROWA** Wire

EDM Tooling





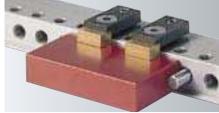
The support lifts the clamping beam to Z=0.



Clamping as in a vise: with threaded pins and clamping beams.



Use removable supports where they make sense. Thread in EDM wire through the special grooves.



Accurately positioned with a stop pin.



Mini spacer support for small parts.



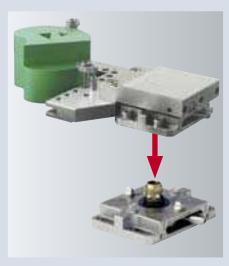
Adjustable in all axes: the pendulum holder.



For free wire guide access: the flat vise.



A quickly adapted vise.



Single palletization:On the same basis as clamping frames. Well-thought-out vises for the

dexterous attachment of workpieces.



Rearrange things with modular elements.



For particular angles: continuously adjustable around 90°.



Indexation around 4x90°, positioning guaranteed in 0.002mm accuracy.



Vises with continuously rotatable clamping part.

Save time and money with EROWA

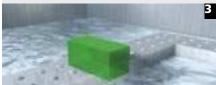
Resetting without EROWA

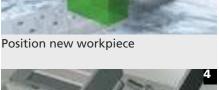


Remove machined part



Clean the base surfaces





Look for fittings



Attach workpiece with bolts and brackets



Align workpiece



Move to starting/reference point

START after 30 minutes

Resetting with EROWA



Open chuck, remove holder and workpiece

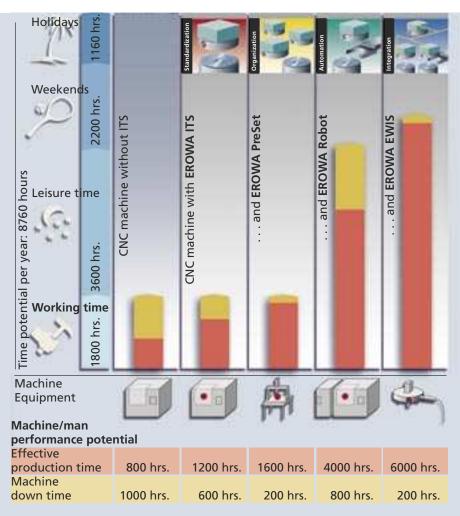


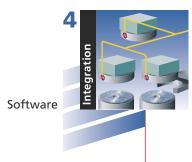
Insert preset workpiece with holder and clamp it



Move to starting/reference point

START after 5 minutes

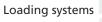




Work out the starting coordinates, determine the position of workpieces in space, and carry out quick intermediate checks: these are the jobs that are done substantially more efficiently on a measuring station than on the WEDM center.









Presetting



Tooling system

You have taken the first step into a productive future. Further steps will follow. With EROWA's Wire EDM Tooling System, you will be optimally prepared.

The next step is up to you.

Important matters require planning. And your next step is certain to be such an important matter. After all, you are setting off into a new, rational age. We will gladly accompany you on your way with advice, in daily operating procedures, so that you will know at any time what you are letting yourself in for.

The nearest EROWA agency is not far away. Take that important step.

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