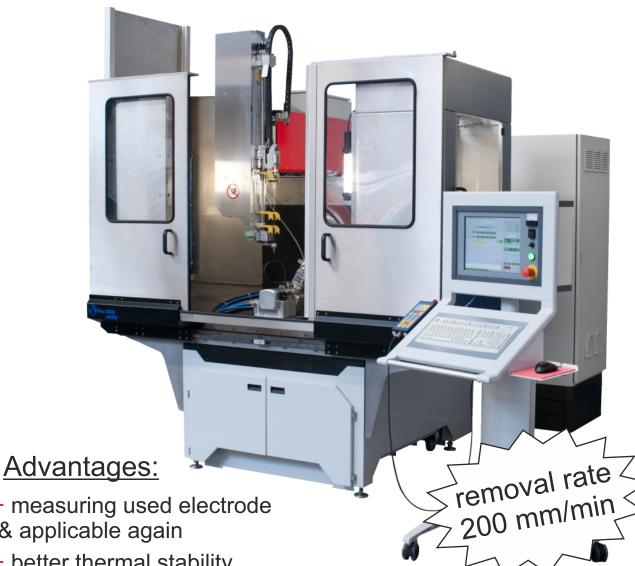


eun APos 800 CNC

Funkenerosion

High speed small hole EDM drilling machine type APos 800 CNC with PC control system



- + measuring used electrode & applicable again
- + better thermal stability
- + higher mechanical stiffness
- + Integration tank und filter unit (600 liter body housing)
- + fully cased working area
- + big work piece weight
- + adaptive measuring sensor system
- + EDM milling

- + robot connection possible
- + included camera-system
- + contemporaneous travel to each drilling position for up to 5 axes
- + minimum removal rate adjustable

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APos 800 CNC - High speed small hole EDM drilling machine

Technical details:

Machine body:

clamping area: mm 800x600 travel X Y motor driven: mm 800x600 max. work piece weight: kg 3000

dimension mm 1660 x 2460 machine height: mm 2400 - 3000

machine weight: kg 3000

motor adjustable and programmable

rough adjustment Z-axis: mm 20 - 600 controlled W-axis = eroding axis drilling stroke mm 700

high-pressure ceramic piston pump

Modular high-frequency generator:

removal rate stainless steel: about. 65 mm/min. removal rate aluminium: about 200 mm/min.

high removal rate with reduced electrode wear

microprocessor controlled development of capacity on the drill entering

for electrode diameter: mm 0,1 up to 6,0 usable electrode length: mm up to 800

Options:

70-fold electrode changer different indexers electrode length up to 800mm 12-fold guide changer

Technical features "control system":

pc-control with 200 sets/sec processing speed storage of 10 separate zero points automatic touching cycles (edge, corner, hole etc.)

turning of coordinates (coordinate system adjusts to tilt of work piece)

active help for programming by target positioning system programmable depth- and retreat position

defined blind hole drilling by measuring cycles in program flow

CNC- dry run

measuring compensation in X- and Z-axis by using 4th and 5th axis operation enlargement - software updates by chip exchange software options possible according to customer requirements optional possibility for 4th and 5th axis control diagnosis with "first level support" by telephone

control diagnosis with "first level support" by telephone help functions

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