Advantages:
+ 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

removal rate 200 mm/min
# 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 4\textsuperscript{th} and 5\textsuperscript{th} axis
- operation enlargement - software updates by chip exchange
- software options possible according to customer requirements
- optional possibility for 4\textsuperscript{th} and 5\textsuperscript{th} axis
- control diagnosis with „first level support“ by telephone
- help functions

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Technische Änderungen vorbehalten! Abbildungen ähnlich!