**APos 1200 CNC**

High speed small hole EDM drilling machine
type APos 1200 CNC with PC control system

Advantages:

- better thermal stability
- higher mechanical stiffness
- Integration tank and filter unit (600 liter body housing)
- fully cased working area
- adaptive measuring sensor system
- EDM milling
- network compatible
- robot connection possible
- included camera-system
- contemporaneous travel to drilling position for up to 5 axes
- minimum removal rate adjustable
- measuring used electrode & applicable again

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Technical details:

**Machine body:**
- clamping area: 1200x600 mm
- travel X Y motor driven: 1200x600 mm
- max. work piece weight: 3000 kg
- dimension: 2270 x 2860 mm
- machine height: 2500 - 3300 mm
- machine weight: 3300 kg
- motor adjustable and programmable
- rough adjustment Z-axis: 50 - 800 mm
- controlled W-axis = eroding axis drilling stroke: 700 mm
- 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 for electrode diameter: 0,1 up to 6,0 mm
- usable electrode length: up to 800 mm

**Options:**
- 70-fold electrode changer
- electrode length up to 800mm
- different indexers up to 250 kg loaded
- 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 help functions