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Curriculum Vitae of the machine Reference number: 26548

ACCUTEX AL - 500 SA

SPECIAL OFFER

Production Year:	2025
Availability:	immediately
Sale Reason:	closing company
Condition of the Machine:	excellent machine, condition similar to new machine can be seen running
Disclaimer:	The Condition of the Machine assessment presented in this CV was either obtained from the last machine operator or is based on an inspection performed by our employee, just to provide you with as much information as possible. For more certainty we recommend your own check or an assessment of an independent mechanic. We cannot provide you with any machine guarantee.

More Details:
The AccuteX AL-500SA is a CNC wire-cut electrical discharge machine (Wire Cut EDM) designed for precision machining of electrically conductive materials. The machine uses linear motors on the X and Y axes, a rigid T-type machine structure, and an AccuteX CNC control based on Windows CE. Its design focuses on accuracy, discharge stability, automatic wire threading and productive machining of small to medium-sized workpieces.
Key features
64 engine hours
Linear motors on the X and Y axes, providing rapid response and eliminating conventional screw-drive backlash.
Rigid T-design machine structure with a low center of gravity for machining stability.
SD-Master stable discharge control for repeatability and stable cutting conditions.
Corner Control / Corner Pro for automatic optimization of corners, arcs and lead-in/lead-out conditions.
Automatic Wire Threading (AWT), including wire-end preparation and waste-wire removal.
Workpiece thickness control and cutting-parameter optimization for varying thicknesses.
Optional MST (Micro Sparking Technology) for very fine surface finish.
Optional Remote Master for remote machine monitoring and optional 6th-axis rotary table.
Optional preparation for PCD and graphite machining.
Max. workpiece size 990 × 560 × 295 mm
Max. workpiece weight 500 kg in quotation / 400 kg in manufacturer brochure
X-axis travel 500 mm
Y-axis travel 300 mm
U/V-axis travel 100 × 100 mm
Z-axis stroke 300 mm
Max. taper angle ±21° / 100 mm
Applicable wire diameter 0.15–0.33 mm (quotation)
Max. wire spool weight 10 kg; 45 kg optional
Linear scale resolution min. 0.001 mm (quotation)
Machine footprint 2480 × 2980 mm
Height / overall dimension 2210 mm in brochure; quotation states machine height 3600 mm and packing height 2210 mm
Machine weight 3600 kg
Total power input 30 kVA (quotation)
Water system capacity 900 L
Deionizer tank capacity 14.4 L (quotation)
Water temperature control automatic
X/Y lubrication automatic
U/V/Z lubrication manual
Control system AccuteX / Windows CE

Processor 64-bit IPC / 64-bit Industrial PC
Memory 1 GB CF Card
Display 15″ TFT touch screen in quotation / 17″ TFT touch screen in manufacturer brochure
Data interfaces keyboard, RS-232, USB, Ethernet; brochure also lists mouse pointer
Minimum programming increment 0.0001 mm
Maximum command range 9999.9999 mm
Controlled axes quotation: 4 axes / 5 with optional W; brochure: 5 axes / 6 with optional W axis
Simultaneous axes quotation: X, Y, U, V; up to 5 axes simultaneously with optional configuration