

## Astec A34 CNC High Speed EDM Drill

The Astec A34 CNC High Speed Drill can be built in several configurations to suit your application. From a basic 3 axis machine to a 5 axis machine each model is completely integrated and programmable from the user friendly control located in a free standing cabinet. Using a Windows 2000 Operating System the computer control features dual 40 G byte hard drives with RAID Data mirroring protecting data against hard drive failure.



By adding the optional **32 position Electrode Changer**, up to 32 different hole sizes can be called for in a single program.

### Features

The **Fully integrated multi-axis control** controls all machining functions, programs are written in absolute or incremental and are displayed on a 15" LCD screen. Programs can be inputted via a full keyboard and mouse and can also be loaded through a Standard Windows Ethernet connection (RJ45), RS232C port, 3.5 disc drive, or CD-Rom drive.

**A34CNC 5x**



**A34CNC 3x**

### On Board Technology

On board Machining Logic selects EDM parameters based on inputting a few simple facts about the work piece, material, hole size, depth, etc.

### Soft Spark Start

The built in microprocessor controls the approach to the work piece, starting with low electrode power, increasing to full power as the cut progresses. This feature produces a small controlled initial spark, reducing burrs and work surface scars caused by molten splatter.

### Breakthrough Control

Depth Control / Breakthrough logic, monitors the electrode rate of penetration, machining voltage, free fall condition etc. This feature ensures complete hole breakthrough while helping eliminate back wall strikes.



**A34CNC 3x AEC**  
Automatic Electrode Changer

### Machine Specifications

X Axis Travel	11.8"
Y Axis Travel	15.75"
Z Axis Height Adjustment	11.8"
Z Axis EDM Stroke	15.75"
Open Height (min./max.)	6.5" / 18"
Work Table	15.75" x 19.2"
Pan	22" x 29"
Maximum Work piece Weight	Approx. 660 pounds
Standard Range Electrode Size	0,2mm-3,0mm dia.
Special Electrodes	Up to 5,0mm diameter

### Power Supply Specifications

Max. Avg. Machining Current	40 amps
Max. Peak Machining Current	57 amps
On - Time Pulse selection	1 - 999 $\mu$ seconds
Off- Time Pause selection	1 - 999 $\mu$ seconds
Peak Machining current	23 steps 0-57 amps
Capacitor selection	0 - 1.7 $\mu$ farads
Input Power (Service)	200/220 3phase 60 Hz
Power Input	4.5 KVA



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