



**BELMONT**  
**EQUIPMENT & TECHNOLOGIES**  
 Divisions of Cleary Developments, Inc.



## Astec A33M High Speed EDM Drill

The **Astec A33M** drill is a compact machine constructed in a gantry configuration. The X & Y axes are equipped with closed loop glass scales while the Z-axis is standard with a rotary encoder. 3 axes DRO is standard and displayed on the control panel.

The machine is easy to operate with control and machining data-entry via a membrane keyboard. The enhanced microprocessor and quick response DC Servo motors, along with the standard triplex pump, drills smaller, faster, and deeper holes using brass or copper tube electrodes. Built in soft start logic assures clean entrance holes, eliminating burrs and scarred work surfaces caused by molten splatter.

The Astec **P3 Power Supply** can store up to **16** parameter sets, which can be recalled as necessary. A drill sequence can contain up to three parameter sets, thus allowing even more control over the cut, customizing it for special applications

The **Auto-Z** feature is built into the control for automatic cycles, first spark sensing and electrode wear compensation. This allows the Control to be interfaced with ancillary equipment, indexers and positioning devices, optimizing the machine for many production applications.

The A33M standard drilling range is 0.004" through 0.125" diameter using pure dielectric water (no additives required). The machine can be retrofitted with a 2 or 3 axes NC package, making it ideal for production hole drilling, other options recommended for heavy use production situations are the F-1 self-contained filtration system with an inline Chiller.



### Machine Specifications

X & Y Axis Travel	11.8" x 11.8"
Z Axis Height Adjustment	11.8"
Z Axis EDM Stroke	15.7"
Open Height (min./max.)	1/2" / 11.8"
Work Table	15.7" x 15.7"
Maximum Work piece Weight	Approx. 660#

### P3 Power Supply

Maximum Amperage Mean/Peak	40/57 amps
Peak Amperage Selection (IP)	1 thru 23
On and Off-Time Pulse Selection	1 thru 999µsec
Servo and Sensitivity Control	
Electrode depth and retract positions	
Analog Volt and Amp Meters	

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