

Astec A34 CNC High Speed EDM Drill

Features

On Board Technology

Proven machine parameters are built in for different work piece materials

Password Protected Settings

The program can be password protected to prevent unauthorized changes

Automatic Electrode Management

At the start of a hole the electrode is checked for sufficient length to complete the hole

Automatic Electrode Stabilizer

Moves automatically to provide extra support for long electrodes

Linear Glass Scales with 0.5 Micron Resolution

Provides true, closed loop, position feedback for precise part positioning accuracy

Hand Pendant for Remote Operation

Machine functions are more accessible to the operator during set up

Integrated Rotary and Tilt/Rotary Tables (optional)

Programmable tilt and rotary systems for complex parts requiring multi axis positioning

Break Through Detection (optional)

Ensures a complete hole or helps to eliminate back wall strikes

Shaped Hole Technology (optional)

Fabrication system for electrode development

Automatic Electrode Changer (optional)

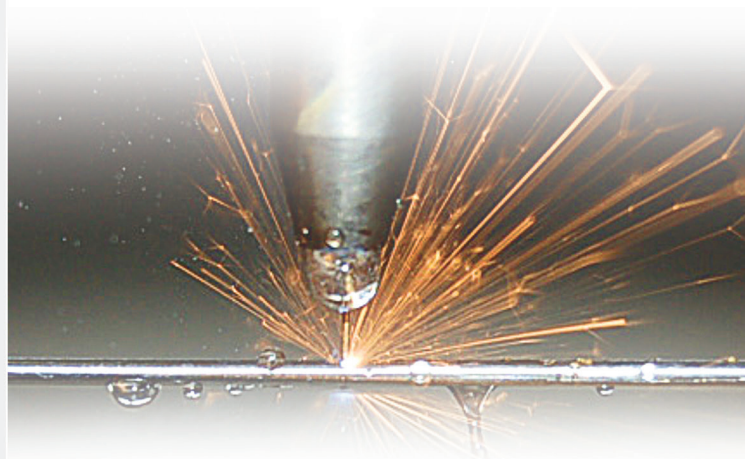
The 24-position carousel allows for unattended operation

Automatic Guide Changer (optional)

The 8-position carousel can change guides up to 6" in length

Optical Inspection System (optional)

High resolution video camera can measure hole size, verify position, and locate datum points for part programs



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Astec A34 CNC High Speed EDM Drill Specifications

		A34 CNC		A34 CNC/AEC/AGC	
TRAVEL	X AXIS	11.8"	(300 mm)	11.8"	(300 mm)
	Y AXIS	15.7"	(400 mm)	15.7"	(400 mm)
	W AXIS	12.2"	(310 mm)	12.2"	(310 mm)
	Z AXIS	17.3"	(400 mm)	17.3"	(400 mm)
OPEN HEIGHT *	MINIMUM	4.3"	(110 mm)	4.3"	(110 mm)
	MAXIMUM	16.5"	(420 mm)	16.5"	(420 mm)
OPEN HEIGHT TO TILT ROTARY TABLE * **	MINIMUM	0.0"	(0 mm)	0.0"	(0 mm)
	MAXIMUM	9.8"	(250 mm)	9.8"	(250 mm)
WORK TABLE	WIDTH	15.7"	(400 mm)	15.7"	(400 mm)
	DEPTH	19.2"	(490 mm)	19.2"	(490 mm)
WORK PAN	WIDTH	21.6"	(550 mm)	21.6"	(550 mm)
	DEPTH	28.9"	(735 mm)	28.9"	(735 mm)
WEIGHT CAPACITY	ON WORK TABLE	660 lb.	(300 kg.)	660 lb.	(300 kg.)
	ON TILT ROTARY TABLE **	60 lb.	(27 kg.)	60 lb.	(27 kg.)
GENERATOR	MAXIMUM AVERAGE CURRENT	40 A		40 A	
	ON AND OFF TIME	1 to 999 μ s		1 to 999 μ s	
	CAPACITORS	0 to 1.7 μ F		0 to 1.7 μ F	
AUTOMATIC ELECTRODE AND GUIDE CHANGER	AEC POSITIONS	-		24	
	AGC POSITIONS	-		8	
FLOOR SPACE AND WEIGHT	WIDTH	61"	(155 cm)	76"	(155 cm)
	DEPTH	72"	(185 cm)	72"	(185 cm)
	HEIGHT	103"	(260 cm)	103"	(260 cm)
	MACHINE TOOL WEIGHT	2,530 lb.	(1,150 kg.)	3,520 lb.	(1,600 kg.)
ENVIRONMENTAL	ROOM TEMPERATURE	68 to 77°F (20 to 25°C)		68 to 77°F (20 to 25°C)	
	RELATIVE HUMIDITY	40% to 55%		40% to 55%	
UTILITIES	ELECTRICAL	220VAC \pm 10%, 3 PHASE, 60 Hz, 4.5 KVA		220VAC \pm 10%, 3 PHASE, 60 Hz, 4.5 KVA	
	AIR	70 PSI @ 1 CFM (5 BAR @ 1.7 CMH)		70 PSI @ 1 CFM (5 BAR @ 1.7 CMH)	

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