

# EdmDrill™ ST300

## Compact Manual EDM Drilling Machine

The EdmDrill™ ST300 is the highest quality manual EDM driller available. It is the ideal choice for those who don't require CNC capability but demand consistently superior drilling performance. The ST300 drills with the widest range of electrode diameters including solid tungsten electrodes as small as 0.003 inch in diameter, and the included M-function interface automates drilling with an indexer, robot or part loader. The compact design reduces floor space requirements and the fixed worktable offers ergonomic access for operators. An optional worktable tank is available for submersed drilling.



\*Shown with optional submersible tank

## SPECIFICATIONS

### MACHINE

X-Axis Travel	11.8 in. (300 mm)
Y-Axis Travel	7.8 in. (200 mm)
Z-Axis Travel	16 in. (406 mm)
W-Axis Travel	10.5 in. (266 mm)
Theta Axis Travel	N/A
Positioning Feedback	Linear Scales (X, Y) Rotary Encoder (Z)
Electrode Diameter Range	0.004 - 0.256 in. (0.1 - 6.5 mm)
Maximum Table Weight Capacity	1,000 lb (454 kg)
Machine Weight	700 lb (318 kg)
Machine Footprint	50 W x 43 L in. (1,270 x 1,092 mm)
Machine Footprint (with AEC-24)	N/A
Guide Shoe to Worktable (min.)	2 in. (50 mm)
Guide Shoe to Worktable (max)	12.5 in. (317 mm)
Worktable Material	Granite
Worktable Size	11.8 W x 11.8 L in. (300 x 300 mm)
Hold Down Inserts	9 x M8
Rotary Table	N/A
Water Filtration System	Optional

### CONTROL

Controller	Elenix™
Display Type	N/A
Displayed Axes	X, Y, Z
Controlled Axes	Z
Motors (X, Y, W)	N/A
Feedback (X, Y)	Closed Loop / Linear Scales
Feedback (W)	N/A
Feedback (Z)	Rotary Encoder
Program Storage	N/A
Drilling Modes	Manual and Automatic
Spindle Rotation	Bi-Directional
USB Port	N/A
Servo Feed Rate	Manual

### POWER SUPPLY

Type	Variable Frequency DC
Switching	High Current FET
Output Amperage (peak)	57
Amperage Range (Ip)	1 to 50 Amps (3 Amp increments)
On-Time Setting (TON)	1 - 100 µs (1 µs increments)
Off-Time Setting (TOFF)	1 - 100 µs (1 µs increments)
Meters	Voltmeter and Ammeter
Capacitance Settings	0 - 1.15 µF (0.05 µF increments)



©2024 CURRENT EDM. 1017.0824

#### INTERNATIONAL HEADQUARTERS

2577 Leghorn Street  
Mountain View, CA 94043  
(650) 966-9676 phone  
(650) 966-1881 fax

#### SALES OFFICE & SHOWROOM

9201 Penn Avenue South, Suite 40  
Bloomington, MN 55431  
(763) 476-2290 phone  
(763) 476-2190 fax

DISTRIBUTED BY:

[WWW.CURRENTEDM.COM](http://WWW.CURRENTEDM.COM) • email: [INFO@CURRENTEDM.COM](mailto:INFO@CURRENTEDM.COM)