



CS1-EA

TRIDEX HYBRID BURR-FREE ELECTROCHEMICAL & PRECISION ABRASIVE CUTOFF MACHINE

The Tridex CS1-EA Hybrid Burr-Free Electrochemical (ECG) & Precision Abrasive Cutoff Machine combines the best of the CS1-A Precision Abrasive and CS1-E Electrochemical Cutoff machines into one robust and compact design. The hybrid design provides flexibility depending on the part being cut.



KEY FEATURES

- Electrochemical Cutoff for Burr-Free tube or wire cutoff.
- Precision Abrasive cutoff with minimal burr.
- Easily change between ECG and Abrasive modes.
- Cuts multiple tubes or bars per cycle.
- All stainless construction including full access stainless splash guard and electrolyte/coolant tank.
- Easy setup and operation using color touchscreen HMI.
- Fixtures and jobs can be changed in one minute.
- Programmability and flexibility of changing cut lengths without operator input.
- Offered in right-or-left hand configuration to create a work cell with one operator running two machines.
- Thin, inexpensive rubber bonded wheels never go dull or need sharpening, minimizing kerf loss. Leaves parts with a smooth surface finish, 0.2 -0.4 RA typical.

SPECIFICATIONS

Cutting Capacity - Diameter: Standard .012" (0.3 mm) to 3.15" (80 mm)

Cutting Capacity - Length: min .25" (6 mm) to .12" (3 mm)

Positioning Accuracy: .0004" (0.01 mm)

Traverse Speeds: 600"/min (15m/min)

High Precision Spindle: Ceramic Bearings and Air Purge

Spindle Motor: 7.5HP direct drive servo motor

Power (Precision Abrasive Mode): 460V, 60Hz standard. 380V, 50Hz optional

Power (Electrochemical Mode): 20V, 300A DC - 600A optional

Carbide Blade Guides (Abrasive Mode): Low profile with simple adjustment control

Control: Operator pendant color touch screen

Fixtures: Quick change - no tools required

Electrolyte/Coolant Supply Tank: 50 Gallon (200 Liter) Stainless Steel

Safety Standards: Meets CE and ISO-13849.1

Air: 4CFM @ 80PSI

Machine Footprint: 137" x 79" x 79" (3,480 x 2,000 x 2,000mm)

Machine Weight: 3,300 lbs (1,497kg)



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