

CS1-E

TRIDEX BURR-FREE ELECTROCHEMICAL CUTOFF MACHINE

The Tridex CS1-E Burr Free Electrochemical (ECG) Cutoff Machine features completely burr-free cutting virtually eliminating the need for deburring or other corrective secondary operations and reducing scrap. Almost all metals can be cut burr-free with ECG making it an attractive option for cutting medical tubing. Increasing efficiency, the CS1-E can cut multiple bars or tubes per cycle only limited by the part diameter.



KEY FEATURES

- Compact, robust design for superior tolerance and finish.
- Completely burr-free cuts virtually eliminate the need for deburring and other secondary operations.
- Fast, precise cuts.
- Easy setup and operation using color touchscreen HMI.
- Cuts multiple tubes or bars per cycle.
- 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.
- All stainless construction including full access stainless splash guard and electrolyte tank.
- No painted surfaces.
- Fixtures and jobs can be changed in one minute.
- All feed components are protected from electrolyte and grit.
- No mechanical adjustments.

SPECIFICATIONS

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

Cutting Capacity - Length: min .100" (2.5mm) no maximum

Positioning Accuracy: 0.0004" (0.01mm)

Traverse Speeds: 600"/min

High Precision Spindle: Ceramic Bearings and Air Purge

Control: Operator pendant color touch screen

Fixtures: Quick change - no tools required

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

Safety Standards: Meets CE and ISO-13849.1

Spindle Motor: 5HP direct drive servo motor

Air: 4CFM @ 80PSI

Power: 460V, 60Hz standard. 380V, 50Hz optional.

DC Power: 20V, 300A standard. 600A optional.

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

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



Glebar is proud to be an MMT company – the sole source for automated, process-driven medical manufacturing. Medical Manufacturing Technologies (MMT) brings together applications expertise, technical solutions, and aftermarket support to revolutionize medical device manufacturing. [Learn more at mmt-inc.com](http://mmt-inc.com).

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APPLICATIONS FOR ECG CUTOFF

- Medical Device Tubing
- Hypodermic Needles
- Catheters and Guidewires
- Flexible and Perforated Tubing
- Aircraft Fuel & Oil Line Tubing
- ultra-High Purity Tubing for Gas Delivery Systems
- Heat Exchanger Tubes
- Chromatography and Capillary Tubing
- Zirconium and Nuclear Applications
- Automotive Tube Applications
- Complex Extruded Shapes

WORKABLE MATERIALS

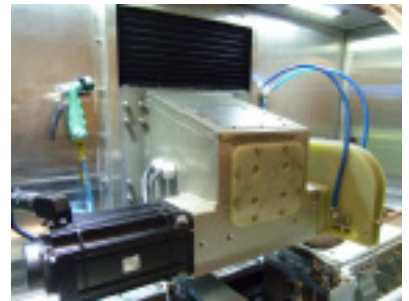
- Stainless Steel
- Inconel
- Nickel Titanium, Nitinol
- Cobalt-Chrome
- Hastelloy
- Other high temperature alloys
- Zirconium
- Sintered Metals
- Magnetic Metals, NdFeB, SmCo



ECG for Burr-Free Tube Cutoff



Stainless Construction



No Mechanical Adjustments



Right or Left Hand Feed for Work Cells



Intuitive User Interface with Color Touch Screen