

MCS-12

SINGLE AXIS ELECTROCHEMICAL CUTOFF MACHINE

The Tridex MCS-12 Single Axis 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, aerospace, UHP gas delivery, and chromatography tubing. The MCS-12 is ideal for trim cuts after bending and excels at producing burr-free cuts for small batches.



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.
- Precision linear guides for cutting head axis - no pivot.
- Servo drive ballscrew head motion for accurate repeatable cuts.
- Direct drive spindle motor, no drive belt.
- Standard variable speed spindle.
- Standard canister electrolyte filter
- Standard flow control valve to regulate electrolyte flow.
- All stainless construction including full access stainless splash guard and electrolyte tank.
- All slide components are protected from electrolyte and grit.
- No mechanical adjustments needed.

SPECIFICATIONS

Cutting Capacity - Diameter: Up to 2.5" (63mm)

Cutting Capacity - Length Min: tooling dependant

Cutting Capacity - Length Max: no maximum

High Precision Spindle: Ceramic Bearings and Air Purge

Control: Operator pendant color touchscreen

Fixtures: Stainless T-Slot table for fixture or vise mounting

Electrolyte Supply Tank: 10 Gallon (37 Liter) Stainless Steel

Safety Standards: Meets CE and ISO-13849.1

Spindle Motor: Standard direct drive AC motor, washdown grade

Power: 460V, 3Ph, 60Hz standard. 380V, 50Hz optional.

DC Power: 20V, 150A standard.

Machine Footprint: 68" x 55" x 75" (173cm x 140cm x 190cm)