

Model CS1-E



Electrochemical Grinding Advantages

- Completely Burr-Free Cut
- Very Low Cutting Forces for Thin Wall Tubes
- Low Cutting Temperatures
- No Heat Affected Zone
- No Work Hardening
- Long Wheel Life
- Fast, Precise Cuts
- Almost all Metals Can Be Cut Burr-Free



Standard Features

- Compact, Robust Design for Superior Tolerance and Finish
- Variable Speed Servo Spindle
- Full Access Stainless Steel Splash Guard
- Stainless Electrolyte Tank Sealed Against Mist and Leaks
- Easy Setup, Loading and Operation
- Offered in Right or Left Hand Configuration
- Stainless Machine Table – No Painted Surfaces
- No Hardware Located Below the Machine Table
- All Feed Components Protected from Electrolyte and Grit
- Mitsubishi FX3U PLC Control System
- Simple User Interface with Color Touch Screen

Technology for the 21st Century



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Electrochemical Cutoff Machine Model CS1-E

Specifications

Cutting Capacity – Diameter	Standard 0.3 mm (.012”) to 80 mm (3.15”)
Cutting Capacity - Length	min. 8mm (.312”); optional: min 3 mm (.12”)
Positioning Accuracy	0.01 mm (.0004”)
Traverse Speeds	10 m/min (400”/min.)
High Precision Spindle	Ceramic Bearings and Air Purge
Direct Drive Spindle Motor	7.5hp (5.6kw) Servo Motor – No Drive Belt
Power Supply	300 Amp Solid State DC – 600 Amp Optional
Control	Operator Pendant
Fixtures	Quick Change – No Tools Required
Electrolyte Supply Tank	200 Liter (50 Gallon) Stainless Steel
Safety Standards	Meets CE and ISO-13849



Right or Left Hand Feed for Work Cells



Intuitive User Interface
with Color Touch Screen

Applications for ECG Cutoff

- Medical Device Tubing
- Hypodermic Needle Tubing
- Catheters and Guide Wires
- 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

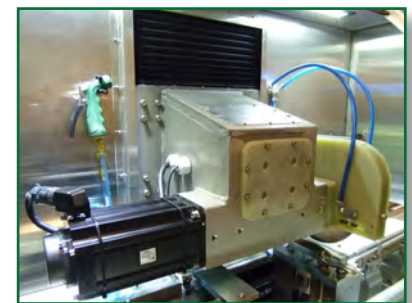
- General:*
- Stainless Steels
 - Inconel
 - Tungsten
 - Nickel Titanium, Nitinol
 - Cobalt-Chrome
 - Hastelloy
 - other high temperature alloys
 - Zirconium
 - Sintered Metals
 - Magnetic Metals, NdFeB, SmCo



ECG for Burr-Free Tube Cutoff



Stainless Construction



No Mechanical Adjustments

Optional Equipment

- Tube Cutoff Fixtures
- Short Cutoff Fixtures – 3 mm (.12”) Minimum Cut Length
- Cut Parts Conveyor and Rinse Tank
- High Speed Centrifuge Advanced Filtration
- Stock Support Conveyor
- Programmable Electrolyte Delivery System

Outstanding customer service is our mission



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