

# ELECTROCHEMICAL BURR FREE CUTOFF

World Class  
EDM Technology

Burr-Free Production  
Low Cutting Force  
free of heat stress  
No Heat Affected Zone  
No Work Hardening  
No Recast Layer  
No Metallurgical Damage  
Faster than EDM

Cutoff metals independent of toughness, hardness, and strength:

- harder than Rc 65
- thin wall
- thermosensitive

## Materials Include:

|           |           |            |
|-----------|-----------|------------|
| Stainless | Inconel   | Nitinol    |
| Titanium  | Hastelloy | Tool Steel |
| Carbide   | Platinum  | Stellite   |
| Zirconium | CoCr      | Aluminum   |

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## **MODEL TC3A** **ELECTROCHEMICAL TRIM & CUTOFF MACHINE**

### **CAPACITY**

**ECG CUTOFF WHEEL: 8.0" DIA.**

**WORKPIECE RANGE: TO 2-1/4" DIA.**

**CUTOFF LENGTH: TO 5" (WITH STANDARD SPINDLE ADAPTER)**

**SPINDLE & DRIVE: 2 H.P. - DIRECT DRIVE**

**WORK MOUNT: 7-1/2" x 9-3/16"**

### **IDEAL FOR TRIM CUTS:**

- BENT TUBES
- SWAGED ENDS
- CANNULA - GUIDE WIRES - CATHETERS - SKIVE TUBES
- BEVEL CUTS

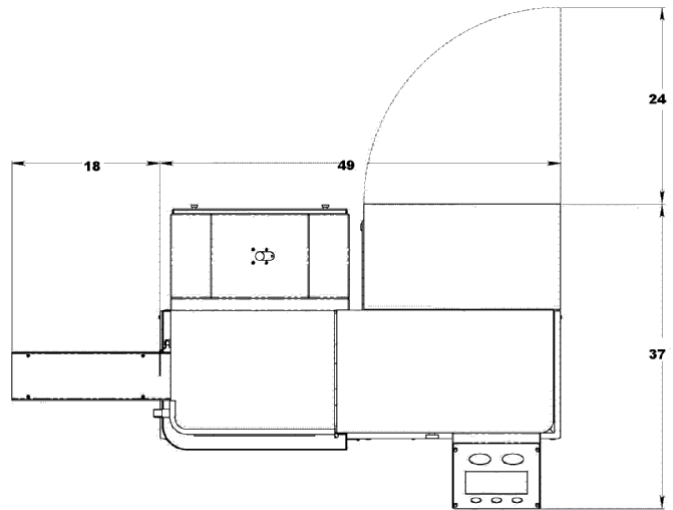




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## TC3A Floor Plan



### Model TC3A

Electrochemical Cutoff Machine

#### Specifications

|                |  |
|----------------|--|
| Capacity       | Range: to 2 1/4" Dia. Bar or Tube                          |
| Cutoff Length  | 5" Maximum (with standard wheel adapter)                   |
| Electricals    | 230 /460 V / 3 PH / 60 Hz                                  |
| Wheel Dia.     | 8" Dia. Maximum  |
| Spindle        | 3200 RPM / 2 H.P. direct drive<br>150 Ampere brush rigging |
| Cutting Speed  | 0 to 25 In./Min.   |
| Rapid          | Approach & Return to 100 In./Min.                          |
| LP             | 150 Ampere DC Power Supply                                 |
| Pump           | 230/460 3Ph 60 Hz 10 GPM                                   |
| Tank           | 20 Gallon Electrolyte Tank                                 |
| Mist Collector | 350 CFM  |
| Color          | Everite Blue & Gray  |
| Water          | 1/4" NPT (required for wash down)                          |
| Machine Wt.    | 1700 Lbs.  |
| Ship Wt.       | 1850 Lbs.  |

### Model TC3A

Electrochemical Cutoff Machine

#### Standard Features

|                  |                            |
|------------------|----------------------------|
| Spindle Downfeed | Power feed                 |
| Feed Rates       | 0 - 25 In./Min.            |
| Auto Cycle       | Rapid - Cut - Rapid Return |
| Dress Cycle      | Wheel rotation for dress   |

### Model TC3A

Electrochemical Cutoff Machine

#### Standard Equipment

|                   |                                      |
|-------------------|--------------------------------------|
| DC Power Supply   | Integrated 150 Amp. Lectropak        |
| Electrolyte       | 20 Gal. Tank, Pump, & Mist Collector |
| Control           | Dual palm button cycle activation    |
| Cycles            | Auto Cycle and Dress Cycle           |
| Feed              | Powered variable speed head          |
| Electrolyte Salts | (1) carton Formula 'ST'              |
| Manuals           | (1) Set of manuals                   |

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*Everite the one Source for ECG*

*Electrochemical Sales - Service - Supplies*

*Cutoff - Surface Grinders - Point Grinders*

*Electrolyte - ECG Wheels - Conventional & Super-Abrasive*

*Cutoff Fixtures - Standard & Custom*