



**Fast Precise Cutoff  
of Bar Stock and Tubing**

- Tool Steels
- Stainless
- Inconel
- MP-35
- Hast-X
- Tungsten
- Glass
- Ceramics



**Standard Features**

- Compact, Robust Design for Superior Tolerance and Finish
- Variable Speed Servo Spindle
- Full Access Stainless Steel Splash Guard
- Stainless Coolant 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 Coolant and Grit
- Mitsubishi FX5U PLC Control System
- Simple User Interface with Color Touch Screen

*Technology for the 21st Century*



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# Precision Abrasive Cutoff Machine Model CS1-A

## 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
Carbide Blade Guides	Low Profile with Simple Adjustment Control
Control	Operator Pendant
Fixtures	Quick Change – No Tools Required
Coolant 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 Abrasive Cutoff

- Stainless and Nickel Alloy Forging Blanks
- Hardened Tool Steel Rod
- Tungsten and Molybdenum Rod
- Rubber/Metal Extrusions
- PEEK and PEEK-Sil™ Tube
- Dental Alloys
- Ceramics
- Ferro-Magnetic Alloys

## Features

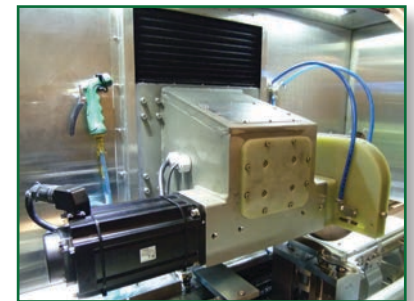
- Superb Accuracy and Multiple Bar Cutting
- Fast, Clean Cuts with Almost No Burr
- Thin Inexpensive Rubber Bond Cutoff Blades
- Low Kerf Loss
- Smooth Surface Finish 0.4 to 0.8 Ra Typical
- Can Also Use Diamond and CBN Wheels



Precise Cutoff with Minimal Burr



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 Coolant Delivery System

Outstanding customer service is our mission

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