

CS1-A

TRIDEX PRECISION ABRASIVE CUTOFF MACHINE

The Tridex CS1-A Precision Abrasive Cutoff Machine provides fast, clean cuts with little to no burrs. Robust design using high precision CNC grade components for superior accuracy in cutoff of solid bars and tubes.



KEY FEATURES

- Compact, robust design for superior tolerance and finish.
- Fast, clean cuts with almost no burr.
- Cuts multiple tubes or bars per cycle.
- Easy setup and operation using color touchscreen HMI.
- 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 coolant tank.
- No painted surfaces.
- Fixtures and jobs can be changed in one minute.
- Thin, inexpensive rubber bond wheels never go dull or need sharpening, minimizing kerf loss.
- Mitsubishi PLC Control System.
- All feed components are protected from the coolant.
- Leaves parts with a smooth surface finish, 0.2 - 0.4 RA typical.
- Can also use diamond and CBN wheels.

SPECIFICATIONS

Cutting Capacity - Diameter: Standard .012" (0.3mm) to 1.25" (32mm); optional 2.5" (63.5mm)

Cutting Capacity - Length: min .25" (6mm), no maximum.

Positioning Accuracy: 0.0004" (0.01mm)

Traverse Speeds: 600"/min

High Precision Spindle: Ceramic Bearings and Air Purge

Direct Drive Spindle Motor: 7.5 HP (5.6kw) Servo Motor - No Drive Belt

Carbide Blade Guides: Low profile with simple adjustment control

Control: Operator pendant color touch screen

Fixtures: Quick change - no tools required

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

Safety Standards: Meets CE and ISO-13849.1

Air: 4CFM @ 80PSI

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

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

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



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APPLICATIONS FOR ABRASIVE CUTOFF

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

FAST, PRECISE CUTOFF OF BAR STOCK AND TUBING

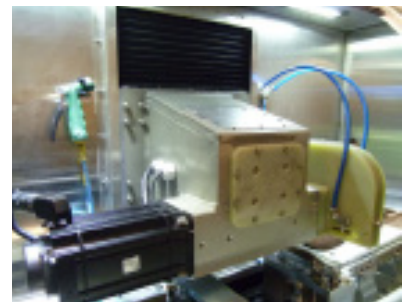
- Tool Steels
- Stainless
- Inconel
- MP-35
- Hast-X
- Tungsten
- Glass
- Ceramics



Precise Cutoff with Minimal Burr



Stainless Construction



No Mechanical Adjustments



Right or Left Hand Feed for Work Cells



Intuitive User Interface with Color Touch Screen