

Precision Abrasive Cutoff

Featuring Programmable Touch Screen Control



Precision Abrasive Cutoff

PAC Precision Abrasive Cutoff

Advantages

- *Cutoff Any Material*
- *Cutoff All Bar or Tube Shapes*
- *Maintain Metallurgical Integrity*
- *Minimal Kerf Loss*
- *Clean Smooth Cut*
- *Minimal Burr*
- *Eliminate Secondary Operation*
- *Maximum Throughput*

Technology

- *Low Cost - Thin Cutoff Wheels*
- *Clamping on Both Sides of Cut*
- *Tungsten Carbide Wheel Guides*
- *High Volume Coolant*

Precision Abrasive Cutoff Machine featuring SmartHead and SmartFeed

- Advanced Quick Change Fixturing System
- Large Splash Guard - Easy Access for Setup, Wheel Change, Fixture Change and Cleanup
- Convenient Operator Station and Touch Screen
- No Limit Switch Settings
- Rigid Construction for Greater Accuracy
- Optional Feed and Parts Conveyor for Unattended Cutoff

Capacity

- Work Diameter: Up to 2.5" (63.5 mm)

Cutting Speed

- Min. 0.2 IPM - Max. 80 IPM (5 mm/min - 2,000 mm/min)

User Friendly Touch Screen Control

- Multiple Feed Rates for Efficiency and Squareness of Cut
- Automatic - Constant or Variable Length Cutoff



- Precision Machining & Assembly
- Burr-free Machine Tools
- Custom Engineered Solutions

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Precision Abrasive Cutoff Machine

Automatic Abrasive Cutoff

- Superior Length Tolerance and Squareness
- Low Cost Thin Rubber Bond Wheels
- Fast Cutoff of All Materials
- Clean Smooth Cuts
- Minimal Kerf Loss
- Maintain Metallurgical Integrity
- Minimal Burr
- Eliminate Secondary Finishing

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Precision Abrasive Cutoff

Programmable Bar & Tube Cutoff Machine

Specifications

Capacity	Up to 2-1/2" (63.5 mm)
Cut Length	Min: 0.080" (2.0 mm) Max: No Limit
Drop-off Length	Min: 3" (76.2 mm)
Electrical	230/460 V / 3 PH / 60 Hz Optional: 380 V / 3 PH / 50 Hz 13 KVA Input
Wheel Size	10" (254 mm) Dia. x .025 (0.63 mm) 12" (305 mm) Dia. x .060 (1.5 mm)
Spindle	Variable Speed High Precision Ceramic Bearings and Air Purge
Cutting Speed	Min: 0.2 IPM (5 mm/min) Max: 80 IPM (2,000 mm/min)
Rapid	Approach & Return Adjustable for Maximum Cutting Efficiency Up To 200 IPM (5,000 mm/min)
Spindle Motor	7.5 HP TEFC (5 KW) Sealed Ball Bearings
Pump Motor	.70 HP TENV (0.53 KW) Sealed Ball Bearings
Mist Collector	300 CFM
Coolant Tank	50 Gallon (190 L) Capacity
Color	Light Grey & Dark Grey
Air Supply	75 PSI Min. (5 kg/cm ²) Required
Water	1/4" NPT (Required for Wash Down)
Machine Weight	≈ 4,000 lbs. (1,820 kg)
Shipping Weight	≈ 5,000 lbs. (2,275 kg)

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Precision Abrasive Cutoff

Length Tolerance Capability of .001" (0.025 mm)

Standard Features

SmartHead

Spindle Downfeed	Ballscrew / Servo Motor
Feed Rates	Programmable 0.25 - 80 IPM
Touch Screen Interface	Cutting Parameters, Wheel Position, Feed Rate and Parts Counter
Wheel Wear Compensation	Automatic
Spindle	Constant Surface Speed

SmartFeed

Stock Feed	Ballscrew / Servo Motor
Color Touch Screen Control	Length settings and adjustments including fixed cut length and variable cut length. Cut Sheet feature allows unlimited flexibility in controlling cut length.

Standard Equipment

Coolant	50 Gal. (190 L) Tank and Pump
Mist Collector	Model MC3 - 300 CFM
Stock Feed	Automatic Feed and Clamp
Control System	Mitsubishi FX3U
Fixture Mount	Quick Change Fixture System
Wheel Guides	Adjustable Tungsten Carbide
Wheel Flanges	6" Dia. (152.4 mm) for 12" Dia. Wheel 4.5" Dia. (114.3 mm) for 10" Dia. Wheel

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ECG Wheels: Conventional & Super-Abrasive
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