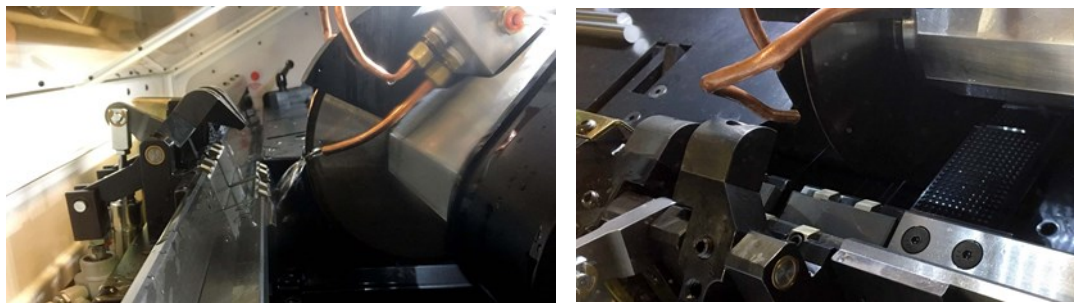


AUTOMATIC CUT-OFF MACHINE

FOR CARBIDE AND HARDENED HSS RODS

"It is built the way I would have built it; solid, heavy and servo driven. It is truly the 'Cadillac' of Cut-Off Machines"

Mike B., Production Manager at Sharon Cutwell, Belgium WI



Finally, an Automatic Cut-Off Machine that takes into account all of the tooling manufacturers' needs. This production machine is ideally suited for the precision cutting of carbide and Hardened HSS rods automatically. The large capacity automatic loader allows for hours of unattended operation. Easily transition between production work and regrinds with "quick change" fixture and touch panel interface in under 5 minutes. Unparalleled productivity increase when compared to other automatic cut-off systems that are out in the market.



WAYNE MACHINERY

858-1 Business Park
Traverse City, MI 49686

231.642.5664 | info@waynemachinery.com | www.waynemachinery.com



FEATURES

- *Automatic wheel wear compensation
- *Fully enclosed, powder coated with safety interlocks
- *Dual Clamping capability
- *Automatic Loader for large capacity rods up to 430mm in length
- *Touch Panel Display
- *"Quick Set" Programs for standard diameters and lengths
- *Automatic Crash Prevention
- *Variable speed spindle for total cut cycle optimization
- *SERVO driven infeed
- *Fully programmable feed rate through the cut
- *Step-by-step setup videos
- *Removable catch tray for end pieces
- *Exiting "PrepBot" station
- *Auto Spindle lock for wheel replacement
- *Replaceable carbide wear pads

OPTIONAL FEATURES

- *Fire Suppression
- *Mist/Fume collector
- *"PrepBot" for automatic cut length sorting
- *XL-Bar feeder for 1900mm (75") rods
- *Red LED light for manual cut-off alignment
- *Automatic grind wheel dressing
- *Wheels and dressing sticks
- *Flood Coolant System
- *Single clamp for regrinds
- *Steady-Rest support with Delrin pads



Rod Materials Cut:

*Tungsten Carbide or Hardened HSS

Rod Diameter Range:

*3mm (.118") to 40mm (1.5")

Rod Length Range:

*25.4mm (1") to 430mm (17")

Loading:

*Manual or Automatic

Cut-Off Wheel Requirements:

*200mm (8") dia x 1mm (.040") wide x 32mm (1-1/4") bore

- Diamond wheel for Carbide
- CBN wheel for HSS

Control:

*CNC controlled with touch panel display

Spindle Motor:

*3 HP motor – variable speed via touch screen control

Wheel Sensor:

*Monitors wheel edge, automatically compensates for wheel wear and has programmable stop distance

Work Holding:

*Variable pneumatic clamping

- Single clamping for cut-offs/regrinds
- Dual clamps support rod on either side of the cutting wheel

Lighting:

*Internal – Coolant/Liquid proof lights

*External – Andon Signal Light

Enclosure:

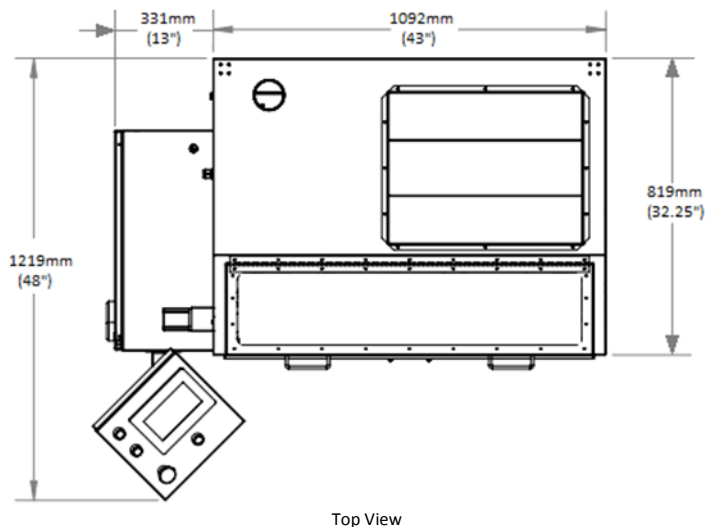
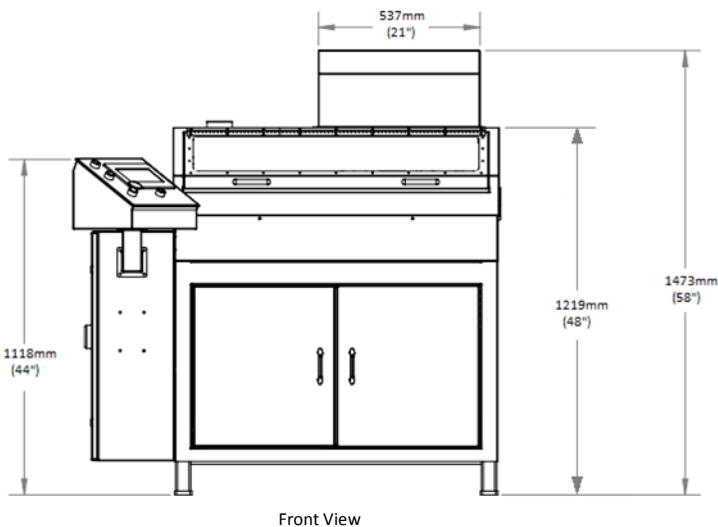
*Fully enclosed, powder coated with multiple viewing windows. No drip access door with removable catch tray. Provision for mist/fume collection and fire suppression systems available.

Machine Specifications:

Overall Dimensions: 1423 mm (56") Long x 1220mm (48") Wide x 1474mm (58") High

Electrical Requirements: 220-240 volts, 3 phase, 50/60Hz, 20A

Weight: ≈ 680.5 kg (1,500 lb)



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