

RushMachinery

Grind better.



Tool Blank Preparation Machines

Reduce cost and increase throughput!

Rush Machinery builds and services an extensive line of production and support machines for industries that use diamond and CBN wheels and work with carbide and other hard materials.

Cut-Prepoint-Chamfer Machine

The Cut-Prepoint-Chamfer Machine converts full length, blank carbide rods into tool blanks that are ready for fluting and finish grinding. It cuts rod blanks from 1/8" to 1-1/64" (3mm to 26mm) diameter in length, and can prepoint or chamfer one end or both ends. It can also be used for cutting only, prepointing only, or chamfering only. Rods up to 23.5" (600mm) long are automatically loaded from the magazine. Up to 2 different lengths can be cut from the same rod. The cut lengths can be up to 13" (330mm). Angles are generated by specific wheel angles or through interpolation.



Chamfer Machine

The compact Rush Machinery Chamfer Machine automatically chamfers carbide or high speed steel rod tool blanks. The machine has a magazine loader for long periods of unattended operation, freeing the operator for other tasks. The Chamfer Machine automatically loads rod sizes of 1/8" to 1" in diameter and lengths of 1-1/2" to 7". Manual loading increases capacities to 1-1/4" diameter and 10-1/4" in length.



Automatic Cut-Off Machines

The "Auto-Cut" Cut-Off Machine automatically cuts carbide rod into precision lengths. These production machines, designed for cutting tool manufacturers and carbide rod processors, have a large capacity magazine and an automatic loader to allow for hours of unattended operation.

The 2 Rod "Auto-Cut" can double the production rate for cutting carbide and hardened steel rod when compared to manual cut-off machines.

Full Enclosure

Automatic Loader

Large Capacity Magazine



Easy to use Controls

Flood Coolant System



CNC Auto-Cut

Semi-Automatic Cut-Off Machines

Our proven commitment to quality, service, and innovation has made us an industry leader since 1983.

Convenient Operator Console

Pneumatic Clamping

Flood Coolant System

Fully Enclosed

Automatic Hydraulic Feed with Manual Override

Length Measurement



Easy-Cut

The Easy-Cut is used by cutting tool manufacturers and regrind shops to provide a safe, effective way of cutting carbide and HSS rods and tools.

Easy-Cut XL

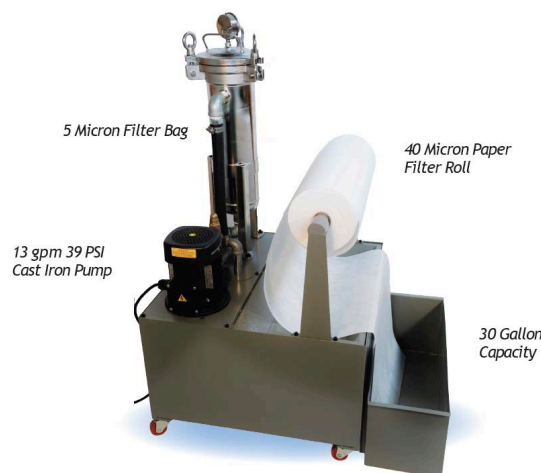
- Flat carbide 2" x 4" • Round carbide to 2"

The new Easy-Cut XL has all the great features of the Easy-Cut but adds a 5HP motor to cut through solid carbide up to 2" x 4". It can also cut round rod and tools.

Optional Accessories (all machines)



Mist Collection



30-Gallon Coolant System



Fire Suppression

Rush Machinery provides top quality products and service that help people grind better.

	CH-CM0406 Cut-Prepoint- Chamfer Machine	CH-CM0203 Chamfer Machine	CH-CM0206 Auto-Cut Cut- Off Machine	ECM-SA-01 Easy-Cut
Machine Weight	4520 Lbs. (2055 KG)	1740 Lbs. (790 KG)	2250 Lbs. (1020 Kg)	775 Lbs. (352 KG)
Crated Weight	5100 Lbs. (2425 KG)	2300 Lbs. (990 KG)	2650 Lbs. (1200 Kg)	1125 Lbs. (510 KG)
Machine Dimensions (L x W x H)	111"L x 60"W x 77"H	52"L x 50"W x 78"H	87"L x 51"W x 84"H	48"L x 46"W x 60"H
Crated Dimensions (L x W x H)	109"L x 75"W x 83"H	65"L x 63"W x 84"H	87"W X 51"D x 84"H	48L x 48W x 72.5H
Base Construction	Cast iron	Fabricated	Cast Iron	Fabricated
Enclosure	Fabricated. Doors on all sides - front slides	Access doors on all sides, sliding front door	Full enclosure with large window	Fabricated
Mist Port	4" hole on top	4" (100mm) hole on top with protective grille	4" (100mm) hole on top with protective grille	3" Hole with Grille
Spindle Motor 1:	2 HP	1 HP	5.5HP (4KW)	N/A
Motor 1: RPM Range:	N/A	N/A	1750 - 2600 RPM	1750 - 2600 RPM
Spindle Motor 2:	1 HP	N/A	N/A	N/A
Motor 2: RPM Range:	400 - 1000 RPM	N/A	N/A	N/A
Machine Controller	UTC-600V	UTC-400V	UTC-400V	N/A
Documentation	Instruction and parts manual	Instruction and parts manual	Instruction and parts manual	Instruction and parts manual
	One-year limited warranty			
	Supply Requirements			
Electrical Volts	200-240V, 60Hz	200-240V, 50/60Hz	200-240V, 50/60Hz	200-240V, 50/60Hz
Electrical Phases	3-Phase	3-Phase	3-Phase	3-Phase
Electrical Amps	30A	15A	20A	15A
Coolant	Water with rust inhibitor or oil	Water with rust inhibitor or oil	Water with rust inhibitor or oil	Water with rust inhibitor or oil
Compressed Air Requirement	50 LPM at 6.0 Bar, filtered and dried	None required	50 LPM at 6.0 Bar, filtered and dried	80psi and 5cfm
	Capacities & Performance			
Materials	Carbide and HSS	Carbide and HSS	Carbide and HSS	Carbide and HSS
Material Loader				By hand
Minimum Diameter	1/8" (3mm)	1/8" (3mm)	0.055" (1.4mm)	0.125" (3mm)
Maximum Diameter	1" (25mm)	1" (25mm)	1-9/16" (40mm)	1.250" (32mm)
Minimum Length	4" (100mm)	1.5" (38mm)	1-3/16" (30mm)	0.5" (12mm)
Maximum Length	23.5" (600mm)	7" (180mm)	16-1/2" (420mm)	Unlimited
Finished Part Capacities	Finished Part Capacities			
Minimum Diameter	1/8" (3mm)	1/8" (3mm)	0.055" (1.4mm)	0.125" (3mm)
Maximum Diameter	1" (25mm)	1" (25mm)	1-9/16" (40mm)	1.250" (32mm)
Minimum length	1" (25mm)	1.5" (38mm)	0.1" (2.5mm)	0.080" (2mm)
Maximum Length	13" (330mm)	7" (180mm)	16" (406mm)	Unlimited

RushMachinery

4761 NY-364 • Rushville, New York • 14544 • USA

Tel: (800) 929-3070 (US & Canada) • (585) 554-3070 • Fax: +1 (585) 554-4077

Email: mail@rushmachinery.com • www.rushmachinery.com