

RushMachinery

Grind better.



Innovative Grinding
Solutions
that Save Time
and Money

www.rushmachinery.com • Since 1983
(800) 929-3070 • + 1 (585) 554-3070 • mail@rushmachinery.com

We build and service 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

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) in diameter and 3" to 13" (74mm to 330mm) 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

Automatically chamfers carbide or high speed steel rod tool blanks. The Chamfer Machine handles rod sizes of 1/8" to 1" (3mm to 25mm) in diameter and lengths of 1-1/2" to 7" (38mm to 180mm). Manual loading increases the capacity up to 1-1/4" (32mm) diameter and 10-1/4" (260mm) in length. The Chamfer Machine has a magazine loader for long periods of unattended operation, freeing the operator for other tasks.



Auto-Cut Cut-Off Machine

Automatically cuts carbide rod into precision lengths. This 2 axis, CNC controlled production machine, designed for cutting tool manufacturers and carbide rod processors, has a large capacity magazine and an automatic loader to allow for hours of unattended operation. Rods from 0.055" to 1-9/16" (1.4mm to 40mm) in diameter and up to 16-5/16" (414mm) in length can be automatically cut.

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



Easy-Cut and Easy-Cut XL

Fully enclosed semi-automatic cut-off machines for quick and easy cutting of HSS and carbide rod and tools with diameters from 1/8" to 1-1/4" (3mm to 32mm). The Easy-Cut XL has a larger motor is available for cutting rectangular and larger round stock!

Wheel Dressing Machines

Designed for the truing and dressing of flats, angles, and radii on diamond and CBN single wheels and multiple wheel packs. They are simple to operate, highly accurate, and cost effective. The customizable, easy to use, RushVision software makes high-tolerance truing and dressing easier than ever before. Fully enclosed machines with 3 axis PLC control and machines with diameter capacities to 42" are also available.



Balance Machines

Provide easy, automatic balancing of mounted grinding wheels, grinding wheel packs and cutting tools for enhanced performance. The machine features compact benchtop mounting, full safety enclosure, automatic clamping and PC interface. Adapter mounted balanced grinding wheels and cutting tools are essential for precision applications and the BMT200-TS will meet this need in a simple to use and affordable package.

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

Grinding Oil Filtration Systems

Filter grinding oils to one micron particle size using edge filtration technology. Designed to integrate with most grinding, lapping and honing machines in use today, the Rush systems provide continuous filtration, automatic back flush, and clean fluid on demand to your machines. Three standard sizes are available to suit your particular needs.

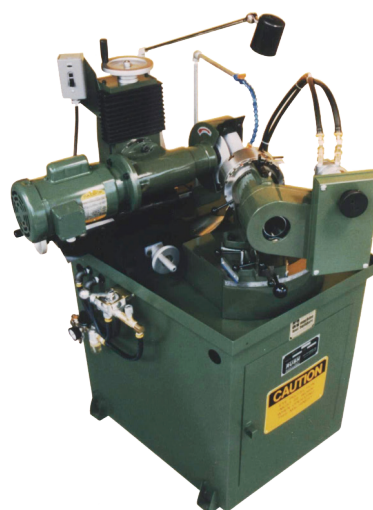


Polycrystalline Tool Grinders

Allows for economical manufacturing and regrinding of: PCD, CVD, PCBN, Carbide, and HSS tools. These machines grind angles and radii on standard and special turning and milling inserts, boring tools, milling cutters, grooving tools, reamers, and other special tools. The rigid construction with a 3-HP variable speed grinding spindle provides for vibration-free grinding and fast stock removal. Three machine sizes are available to fit your specific requirements.

Drill and Tool Grinders

Designed to reduce hole-making expenses by allowing users to quickly and accurately regrind their tools to the proper geometry whenever it is needed. Rush Drill and Tool Grinders incorporate versatility, rapid set-up and accuracy into rugged and affordable machines. Our unique design features point splitting and web thinning capability and allows for quick grinding of almost any HSS or carbide drill point. Step drills, taps, reamers, countersinks and end mill ends are easily ground with minimal set up changes. For capacities 0.080" to 1.250"; 3/32" to 2" and 3/16" to 3-1/8".



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