

PRODUCTS & SERVICES LINE CARD...

Grinding & Polishing Equipment

Uses: Cutlery and Edged Products



Hollow Grinders

The 4-axis CNC control allows fast, flexible changeovers for grinding of sporting/hunting knives, kitchen blades, and more. Can be operated manually or with automation.



Taper Grinders

Polymer concrete frame and linear motion guides make this the most productive and vibration-free grinding machine on the market today. Available in four (4) sizes -- up to 60HP grinding motor available.



Polishing Machinery

The most productive and rigid polishing equipment available in the market for flat and tapered items. Dual buffing rolls up to 1,000mm long. Available in single head configuration, fully automated transfer systems.



Serration, Profile Grinders

Highly productive profile/serration machines using diamond dressing wheel technology. Can be used to grind serrations and profiles, as well as creep feed grinding with optional vertical axis.



Edge Sharpening and Testing Equipment

Industry leading edge testing retention equipment as well as CBN spiral wheel sharpening and honing systems.



Turn-key automated production systems

Our specially trained engineers can design fully automated systems specifically for your needs -- from grinding and polishing to full materials handling systems.



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Corporation

Grinding Wheels For Cutlery & Edged Hand Tool Manufacturing

Uses: Knives, Scissors, Shears, Putty knives, Screwdrivers, Pliers, Chisels, and more!



Hollow Grinding Wheels

RAI manufactures wheels for all cutlery hollow grinding machinery. We produce wheels for all applications and materials including carbon, stainless, high speed and tool steels including S30V and all the New Exotic Materials. Our wheels provide superior life over competitive products. Our improved finishing technology allows you to maintain the productivity and improve finishes with one product.



Taper Grinding Wheels--

- Specifically formulated for grinding all materials used in the industry today
- Advanced Technology developments have produced two- and three-zone abrasive systems for grinding and finishing in one operation.
- Stock removal rates have improved beyond that of the past by 2 fold
- Wheel life expectancy has increased 40% over the competition.



Specialty, Custom Engineered Wheels including 2 and 3 zone technology

Our specialty wheels are general purpose and custom designs. We have made many wheels to grinding and finish in one application using a 2 and even a 3 zone style design. These wheels offer great benefits if you want to reduce finishes and even eliminate secondary operations. Turn to the RAI R&D department for creative solutions which will deliver results.



Custom Engineered Wheels and Abrasives

RAI will custom design products to address specific customer demands. We will work with you to design unique product shapes, custom formulations, and have developed industry changing improvements when it comes to safety and performance. We are the manufacturer of choice for custom abrasives.



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