

AMERICAN CUTTING EDGE

In addition to granulating and pelletizing knives, **AMERICAN CUTTING EDGE** makes knives and blades for the converting, packaging, automotive, fiber and fiberglass, food processing, ice resurfacing, medical, metal processing, textile, tire recycling, and tree care industries.

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Sharpening Services

AMERICAN CUTTING EDGE offers sharpening and refurbishing services at a competitive cost on equipment that is matched to new knife tolerances. Knives brought to us for sharpening receive a thorough inspection and cleaning. Our professionals' knowledge of metallurgy and grinding abrasives is unmatched by general machine shops.

Rotor Sharpening Services

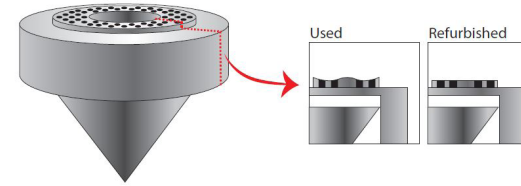


AMERICAN CUTTING EDGE offers a three-step resurfacing and sharpening process specifically for pelletizer rotors that helps preserve proper geometry to improve overall blade life and cutting efficiency – protecting your bottom line. For best results we suggest that you send in your rotor for review. Upon review, we'll recommend a grinding profile that will improve the overall life of your pelletizer rotor.

Our three step process includes:

- Removal of imperfections via grinding of the rotor face
- Reformation of the gullet and flute to their original geometry via precision grinding
- An OD grind of the rotor to guarantee concentricity within .001 of the outer diameter
 - This critical OD dimension from end-to-end allows the rotor to be set at .001 to .002 tolerance with the bed knife ensuring ongoing cutting precision.

Die Grinding Services -- Remove Imperfections to Save Time, Improve Through Put, and Save on Blade Costs



Our experts have seen a rise in the number of customers experiencing premature wear on their small under water pelletizing blades. Through careful questioning and analysis of their processes and blade analysis, our team members have able to determine that often times the problem is caused by die break down rather than the failure of the blade itself.

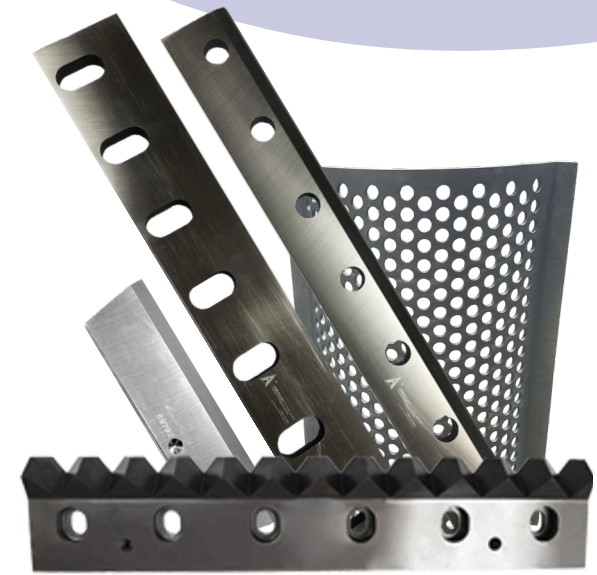
Over time, the surface of the pelletizing die wears down from continuous use. In some cases, it can even wear down to the point of having a groove appear in the shape of the blade. Deep grooves and reduced contact between the die and blade significantly impacts the performance of the blade and reduces the quality of the pellets being produced by your operations.

As the thickness of the die is ground down, a clean surface is uncovered, providing a fresh connection between the blade and the die. Once the original flat surface is returned to the die and the blade can connect to the surface as it was designed to, the consistency and quality of the pelletizing pellets improves, downtime due to blade changes decreases, and throughput improves significantly.



Granulator & Pelletizer Knives from AMERICANCUTTING EDGE

Industry Knowledge
Unrivaled Selection
OEM Quality



A division of CB Manufacturing

www.AmericanCuttingEdge.com

Granulator Knives

Get the quality you expect at an affordable price point. Our OEM compatible granulator knives are made with the highest quality steel and are engineered to meet or exceed specifications of the leading brands including but not limited to:

- Ball & Jewel™
- Conair™
- Cumberland©
- Getecha™
- Gloucester™
- Granutech®
- Herbold™
- MPG™
- Nelmor™
- Polymer Systems™
- Previero™
- Process Control™
- Rapid™
- Tria™
- Triple S Dynamics™
- Wortex™

Count on **AMERICAN CUTTING EDGE** to provide OEM quality knives at a more effective price point which allows you to get the quality you need at a price you can afford.

Get the products you need fast. With **AMERICAN CUTTING EDGE**, you won't wait weeks for your knives to arrive. Our warehouse is stocked with the products you need so replacement knives are just a day or two away.

Shredder Rotating Knives

AMERICAN CUTTING EDGE offers a comprehensive stock of rotating shredder tips to match your application and help you maximize your shredder's throughput so you can get more production from your shredder for a longer period of time and decrease maintenance downtime.

All our rotating shredder tips are made from the finest tool steels including: D2, Modified A8, Chipper Knife Tool Steel, CRU-WEAR®, Lescowear™, PGK, VascoWear, Solid Carbide, and Carbide Tipped. Additional enhancements to the original OEM design are available that increase knife toughness and improve cutting performance.

Single Shaft Shredders

With a wide variety of shredder insert sizes and styles available in stock, **AMERICAN CUTTING EDGE** has replacements compatible with most of the common shredders on the market and even some of less common brands.

Counter Knives

All **AMERICAN CUTTING EDGE** shredder knives are made of either highly wear-resistant D2 tool steel or increased impact tool steel Modified A8. Unlike the OEM, we do not offer counter knives in mild 4140 or 4150, which means **AMERICAN CUTTING EDGE** counter knives last longer and require less maintenance.

Our tool steel counter knives provide a huge advantage to you over your competition using OEM counter knives. With your knives lasting up to three times longer, providing greater production throughput, allowing your maintenance department to focus on repairing other equipment instead of changing knives, you'll experience greater productivity and far less downtime than your competition.

More material produced through your machines at lower costs with sharper knives decreasing energy costs and the need for knife change outs, translates to higher yields and greater revenue for your operation.



Pelletizing Knives

At **AMERICAN CUTTING EDGE**, our goal is to partner with our customers decrease their pelletizing production costs while offering high-quality pelletizing knives engineered to meet or exceed OEM standards. We specialize in working directly with customers to analyze applications so we can better understand their unique needs to ensure that our solutions are engineered to specifically address their challenges.



Small Underwater Pelletizer Knives

An innovator in the small water pelletizer knife market for the past 50 years, **AMERICAN CUTTING EDGE** continues to lead the market by offering cost competitive blades at some of the tightest tolerances in the industry. Tight tolerances help increase your blade life and reduce die plate wear. With readily available stock and a wide variety of raw materials, **AMERICAN CUTTING EDGE** is your go-to source for water-ring blades.

AMERICAN CUTTING EDGE offers blades engineered to fit the top small water pelletizer lines including but not limited to Gala®, Beringer®, and Erema®. Erema style Densifiers and Holders are also available. We also offer a variety of raw materials including:

- D2
- M2
- Powdered Metals

Large Underwater Pelletizer Knives

AMERICAN CUTTING EDGE provides a wide variety of solid and bi-metallic underwater pelletizer blades engineered from your specific OEM blade or drawings by our in-house engineering staff. We are capable of analyzing and delivering custom blades for your application in approximately 12 weeks. Materials offered include:

- Bi-metallic (Nikro 128 and Nikro 143)
- Solid D2 or M2 style knives also available



AMERICAN CUTTING EDGE offers risk-free, no obligation consultations and trials.

Extrusion Cut-Off

From the old standards of Blue Tempered Spring Steel, 301 Stainless, and D2 Tool Steel to the new Bright Spring Steels, Powdered Metals, and solid Carbides, **AMERICAN CUTTING EDGE** can manufacture a knife to cut your product. Don't have a drawing? No problem! Our staff can reverse engineer a blade from your existing knife to meet your specific equipment. With custom design capabilities and low lot requirements, we offer cost-competitive knives in materials including:

- BTSS
- D2
- M2
- Carbide

