

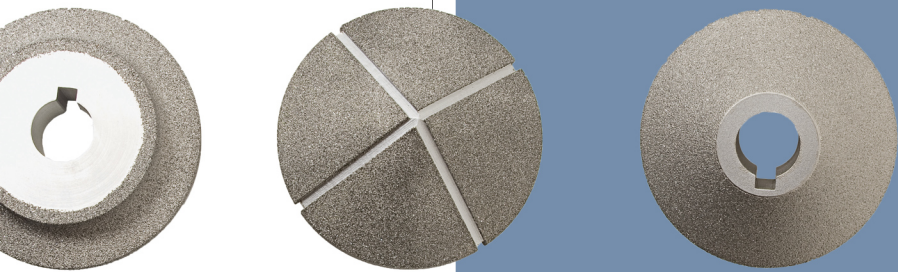
A close-up photograph of a metal grinding wheel, showing its curved surface and the fine, abrasive texture of the metal. The wheel is the central focus, with its edges and surface details clearly visible. A semi-transparent blue rectangular box is overlaid on the right side of the wheel, containing white text. In the bottom right corner, there is a logo consisting of a stylized blue diamond shape above the word "NIABRAZE" in a bold, blue, sans-serif font, which is flanked by two horizontal blue lines.

THE COMPETITIVE EDGE


in superabrasive products.



{ www.niabraze.com }



WHEN OTHERS CAN'T CUT IT. NIABRAZE CAN.

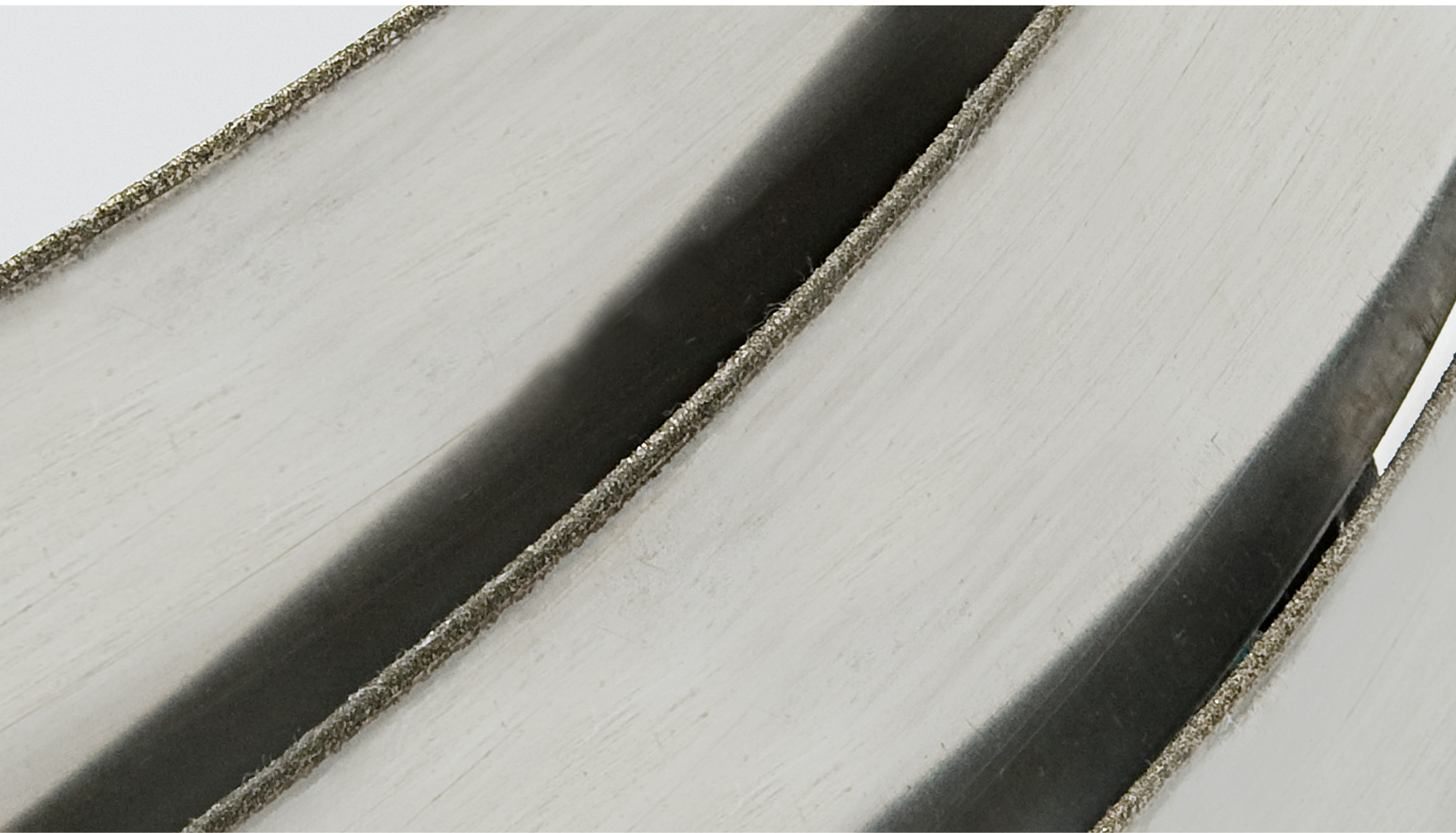


NIABRAZE gives you a competitive edge with a complete line of high-quality, superabrasive electroplated and braze products to cut, mill, and grind hard materials with the expert services of some of the most knowledgeable professionals in the industry.

NIABRAZE was founded over 20 years ago as a North American manufacturer of diamond plated band saw blades. As our reputation for quality grew, so did our product offering to meet the growing needs of our customers around the globe.

Today, **NIABRAZE** is a world-class manufacturer of electroplated and brazed diamond and CBN products - including band saw blades, circular saw blades from 1" through 46" in diameter, vacuum brazed hole saws, and many other diamond and CBN cutting and milling tools.

As cutting technology grows more specialized and cutting tools more complex, **NIABRAZE** has made custom-designed diamond and CBN cutting solutions a specialty. Our products efficiently cut and machine a whole host of materials including silicon, quartz, and glass. the vast array of composites, ceramics, carbon, and more. Whatever the size, shape, contour or profile of the tooling, **NIABRAZE** is applying superabrasive technology in new and innovative ways.



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Silicon



NIABRAZE has a broad depth of experience in producing superabrasive products for precision cutting of silicon.

We utilize the highest grade of both natural and synthetic diamonds and superior electroplating processes to provide outstanding quality at an affordable price.

DIAMOND BAND SAW BLADES

We offer a full range of widths, thicknesses, edge profiles and diamond grit sizes to meet specific application and equipment needs for both monosilicon and polysilicon cutting. **NIABRAZE** blades deliver excellent performance and high productivity for bricking, cropping, and cutting tops and tails. Our strong precision weld is guaranteed for the life of the blade. The reliability of our blades is matched by our responsiveness when time is critical and you need blades in a rush.

Quartz and Glass



DIAMOND BAND SAW BLADES

High diamond exposure and a strong but flexible backing deliver efficient cutting and long life with **NIABRAZE** diamond band saw blades. From the optics industry to glass artists to leading high tech quartz companies, **NIABRAZE** blades are used throughout multiple industries for precision, high efficiency cutting.

NIABRAZE offers durable diamond band saw blades for just about any quartz and glass cutting application in virtually any width, thickness, edge profile and grit size required. We utilize high quality synthetic and natural diamond and carry most material in stock for same day weld-to-length and ship service in the fast turnaround that is **NIABRAZE** tradition.

DIAMOND CIRCULAR BLADES AND MISCELLANEOUS TOOLS

In addition to diamond band saw blades, **NIABRAZE** manufactures diamond circular blades, stock and custom diamond machining and core drill products through our electroplating and vacuum brazing processes. High diamond concentration and exceptional wear properties are standard to **NIABRAZE** monolayer diamond products.





Composites

Today's ever-evolving industries use an incredible variety of composites from reinforced plastics and carbon or glass fiber composites to engineered resin matrix materials.

NIABRAZE provides great flexibility with a choice of electroplated and vacuum brazed diamond bonded products to provide the best universal tooling solution.

Our electroplating forms a mechanical bond between the diamond and the substrate, while our vacuum brazing forms a strong chemical bond. NIABRAZE specialists can recommend the right bond method for specific composite applications.

NIABRAZE offers in-stock blades or customized products for specific applications to deliver free, aggressive cutting of composites. Relative to other market available blades and tools with diamond in the bonded matrix, our electroplated and brazed products offer a lower cost with higher cutting efficiency and long-lasting performance.

We can provide fine grit plating for close tolerance and clean finish applications, as well as coarse grit plating and brazing for aggressive cutting and machining applications. Strip and replat services are available for most products for a lower subsequent use cost.



CERAMICS

Advanced and technical ceramic materials on the market today require specialized knowledge and experience when it comes to precision cutting and machining

NIABRAZE has both. We offer diamond band saw blades in numerous widths, edge profiles, thicknesses and grit sizes, for just about all standard vertical and contour band saws. We also manufacture to the most exacting standards circular blades and form wheels used extensively in ceramics.

CARBON AND GRAPHITE

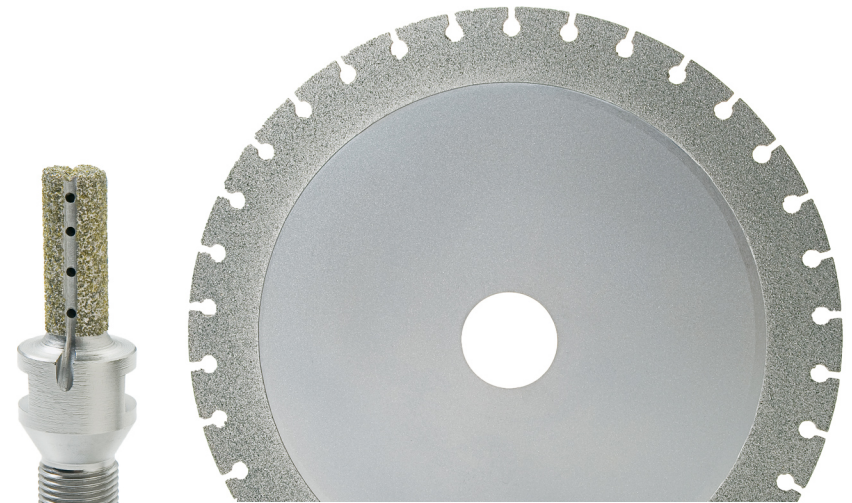
The terms carbon and graphite are often used interchangeably; however, each form offers specific properties for different types of applications.


Let **NIABRAZE** be your electroplating and brazing specialists to help design and manufacture the proper superabrasive diamond product to meet your needs.

OTHER MATERIALS

NIABRAZE has a broad range of options to deliver your solutions for machining many other hard to machine and cut materials.

NIABRAZE offers a comprehensive selection of superabrasive diamond and CBN products engineered for both wet and dry process applications. Friction materials, stone products, and hard ferrous materials to name a few are all well suited for either diamond or CBN machining.





The **NIABRAZE** commitment to our customers is to provide you with high quality affordable superabrasive products to help you maintain an efficient and profitable operation.

Let us lend to you over 50 years of combined plating and brazing expertise in the form of standard high quality products or custom engineering for application specific operations.

We offer a strip and replate service on existing diamond and CBN coated blades and tooling. that can save money and provide quicker turnaround time. Simple re-machining can be done where parts may have been previously damaged returning your product to as close to the original specifications as possible.

INNOVATION TAKES SHAPE AT NIABRAZE

From the quality and durability of our superabrasve products to the expertise and customer service commitment of our skilled people, innovation drives what we do at **NIABRAZE**.

It takes shape in the long life and cut efficiency of every product- from thinking outside the box for custom solutions to some of the toughest challenges.

Whether one piece or a large volume order, our business is built on manufacturing that is flexible, fast and efficient to meet our customers' needs.

We give you a competitive edge - you never have to sacrifice quality and performance because of price with **NIABRAZE** superabrasive electoplated and brazed products.

THE COMPETITIVE EDGE

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