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# CONTINENTAL DIAMOND TOOL CORPORATION



AEROSPACE

AUTOMOTIVE

CERAMICS

ELECTRONICS

COMPOSITES & FIBERGLASS

BLADE & KNIFE

POWER GENERATION

MEDICAL

OPTICS

PAPER/CARDBOARD

STONE

CUTTING TOOLS

SAW INDUSTRY

*We're setting the new standard.*

[INFO@SWIFTTOOL.COM](mailto:INFO@SWIFTTOOL.COM)

[WWW.SWIFTTOOL.COM](http://WWW.SWIFTTOOL.COM)



Continental Diamond Tool is

# SETTING THE NEW STANDARD

At CDT, there is nothing conventional about how we do business. We take pride in exceeding expectations with every project, outperforming the competition in:

**QUALITY**  
**CUSTOMIZATION**  
**PRECISION**  
**EXPERIENCE**  
**PERSONALIZED TECH SUPPORT**  
**COMPETITIVE PRICING & LEAD TIMES**

Continental Diamond Tool has been providing technically superior precision tooling solutions to numerous distinct industries since 1973. Can Continental Diamond Tool meet your most critical tooling requirements? We know we can. Challenge us with your next project!

## TABLE OF CONTENTS

- 3**    ▼ **ELECTROPLATED**  
Our electroplated products offer many advantages over other options, including a more aggressive bond and lower initial costs.
- 5**    ▼ **VITRIFIED**  
Vitrified Diamond and Vitrified CBN grinding wheels combine the hardest known superabrasives held mechanically and chemically in glass (ceramic bond) to form some of the most highly efficient grinding products available today.
- 7**    ▼ **METAL BOND**  
When maximum productivity is at the top of your list, metal bond grinding tools provide a low maintenance, high production bond that lasts longer than other superabrasives on the market.
- 9**    ▼ **RESIMAX RESIN BOND**  
CDT is proud to offer many choices in resin bonded abrasives. These resin bonded tools are self-sharpening with a high grinding efficiency that gets the job done quickly and with less maintenance.
- 11**   ▼ **DIAMOND DRESSERS**  
Abrasive wheels wear over time and require maintenance and truing using diamond dressers. CDT's dressers are designed and handcrafted for a number of applications.
- 13**   ▼ **INDUSTRIES SERVED**  
On the cover is listed a small sample of our diversity. You can have confidence that we understand the challenges in your field, and we welcome the opportunity to explore new superabrasive applications.
- 15**   ▼ **WHY CHOOSE CDT?**  
You won't find conventional products or conventional service here. Learn how CDT leads the superabrasives market in customer support, lead time, and product performance at the most cost effective price.
- 17**   ▼ **PERFORMANCE PAYOFF GUARANTEE**  
CDT guarantees that your tooling will be manufactured to your requested dimensional and abrasive specifications.
- 18**   ▼ **HOW TO ORDER**  
We welcome the opportunity to meet your most critical tooling requirements. Contact us for a quote.

# ELECTROPLATED CBN AND DIAMOND TOOLS

Electroplated Diamond or Cubic Boron Nitride (CBN) products have a single layer of abrasive held by a tough, durable nickel alloy. Unlike sintered (metal bond) or resin bond Diamond or CBN products, where the abrasive particles are buried in a bond and held together by a metal or resin binder, electroplated products have the maximum abrasive particle exposure.

Electroplated Diamond or CBN products are able to retain their original shape and dimensions throughout their working life. Electroplating allows abrasive particles to protrude from the bond matrix, providing a free, faster cutting action with minimum heat generation.

## AVAILABLE GRIT SIZES

CDT stocks a complete range of electroplating grit sizes in both Diamond & CBN.

GRIT SIZE	RMS FINISH	GRIT SIZE	RMS FINISH
20/30		140/170	32-48
30/40		170/200	24-32
40/50		200/230	20-24
60/80		230/270	16-20
80/100	90-125	270/325	14-16
100/120	64-90	325/400	13-14
120/140	48-64	400/500	12-13

Use this chart as a general guide ONLY. Surface finish is affected by a number of variables, including machine type and condition, type of material, coolant, wheel speed, bond system, etc.

- Saw Blades
- Custom Tooling
- Hole Saws
- Mounted Saws
- Grinding Wheels

## STRIP & REPLATE PROGRAM

Continental Diamond Tool is committed to developing custom and cost effective plans with our customers for their superabrasive grinding applications. CDT's strip and replate program can help reduce tooling cost by removing the remaining Diamond or CBN from the existing tool, regardless of the manufacturer. CDT will replate with new Diamond or CBN, returning your tool to "like new" condition.

## ABRASIVE UTILIZATION

Although Diamond and CBN (Cubic Boron Nitride) are both superabrasives, the use of Diamond and CBN varies, depending upon the materials to be ground.

### Diamond Grinds:

- Cemented carbide
- Glass
- Ceramics
- Fiberglass
- Plastics
- Composites
- Abrasives
- Stone
- Electronic components

### CBN Grinds:

- High-speed tool steels
- Die steel
- Hardened carbon steels
- Hardened stainless steels
- Alloy steels
- Aerospace alloys
- Abrasion-resistant ferrous materials

# ELECTROPLATED DIAMOND TOOLS PROVIDE:

- **Free Cutting Action**  
Better removal rates and less thermal damage to the part when an aggressive amount of stock removal is required.
- **Excellent Form Holding Characteristics**  
Holds simple and intricate forms for the entire life of the tool or wheel, from first grind to last.
- **Maximum Abrasive Particle Exposure**  
Gives the most aggressive, open structure of all bonding methods.
- **High Stock/Material Removal Rates**  
Lower long-term cost with the potential reduction or elimination of time associated with setup, dressing, and tool changes.
- **Reusable**  
Strip and replate services available with potential savings of 40% over new electroplated products. (See Strip and Replate Program for details.)

## ELECTROPLATED INDUSTRIES:

- AEROSPACE
- AUTOMOTIVE
- CERAMICS
- ELECTRONICS
- COMPOSITES & FIBERGLASS
- BLADE & KNIFE
- POWER GENERATION
- MEDICAL
- OPTICS
- PAPER/CARDBOARD
- STONE
- CUTTING TOOLS

### MATERIALS PROCESSED

- Tungsten Carbide
- Stainless & HS Steel
- Ductile and Cast Irons
- High Temperature Alloys
- Fiberglass
- Inconel
- Composites
- Ceramics
- Glass

### APPLICATIONS

- Cutoff
- Snagging
- Form Grinding
- Scoring
- Centerless
- ID & OD
- Creep Feed

# VITRIFIED CBN AND DIAMOND GRINDING WHEELS

- Camshaft & Crankshaft
- PCD/PCBN Cutting Tools
- Mold & Dies
- Turbine Blades, Vanes, Shrouds
- Medical Instruments

Vitrified Diamond and Vitrified CBN grinding wheels combine the hardest known superabrasives held mechanically and chemically in glass (ceramic bond) to form some of the most highly efficient grinding products available on the market. The combination of the vitrified bond's high thermal stability and its ability to control wheel structures allows for more effective coolant delivery to the grinding zone, resulting in minimization of thermal damage to the work piece.

Most commonly employed in the grinding of PCD and PCBN tools, Vitrified Diamond grinding wheels have enabled polycrystalline tool fabricators to obtain excellent surface finishes, quickly and productively. Vitrified grinding wheels can also be used in the fabrication of natural diamond, as well as many dense ceramic materials.

The very nature of vitrified bonds allows for the custom tailoring of a grinding wheel structure specific to a customer's material and grinding process, resulting in an efficient grinding process where wheel life and cycle times are optimized for lowest costs and highest work piece quality.

## GRIT SIZES

CDT stocks vitrified grit sizes from 80-8000.

Contact us if you need help identifying if vitrified grinding wheels are right for your applications.

## SUPERABRASIVES VS. CONVENTIONAL ABRASIVES

Each wheel type has a place in manufacturing: there are softer materials that superabrasive wheels will not grind that conventional wheels can. But for materials harder than 30's HrC, a superabrasive wheel is the most cost effective option. Superabrasive wheels do not wear away like conventional wheels do, therefore grinding waste is greatly reduced.

## ABRASIVE UTILIZATION

Although Diamond and CBN (Cubic Boron Nitride) are both superabrasives, the use of Diamond and CBN varies, depending upon the materials to be ground.

### Diamond Grinds:

- PCD/PCBN
- Diamond and Diamond-like Materials
- Carbide
- Ceramics
- Composites
- Abrasives

### CBN Grinds:

- High-speed tool steels
- Tool or Mold & Die steel
- Hardened carbon steels
- Hardened stainless steels
- Alloy steels
- Aerospace alloys
- Chilled Cast Iron
- Powdered Metal

# VITRIFIED GRINDING WHEELS PROVIDE:

- **100-300 Times the Life** of conventional grinding wheels in comparable applications.
- **Efficient Heat Removal** with open structures that carry coolants into the work zone resulting in less thermal damage to metals when compared with other bond systems.
- **Improved Cycle Times** Decreased down time, wheel dressing and/or wheel changes when compared with conventional and resin bonded superabrasive applications.
- **Adaptable** Aggressive, free cutting bond adapts to various spindle speeds.
- **Lights Out Operation** is possible with dressable structures as layer depths allow for continual renewing of the grinding layer.
- **Re-Truing of Formed Profiles** and formed structures are possible using Diamond tools and rotary dressers.
- **Customization** of grinding wheel specifications for specific customer applications.

## VITRIFIED INDUSTRIES:

- AEROSPACE
- AUTOMOTIVE
- POWER GENERATION
- MEDICAL
- CUTTING TOOLS



# METAL BOND CBN AND DIAMOND TOOLS

When maximum productivity is paramount, metal bond grinding tools offer the long life and low maintenance you need. Suitable for all levels of both wet and dry grinding from light polishing to aggressive CNC grinding, metal bond abrasive tools are built for endurance and performance.

Metal bonded tools are created from the sintering of powdered metals and other compounds with either Diamond or Cubic Boron Nitride (CBN). This process produces an extremely strong product that holds its shape well during use. Metal Bond maintains a long and useful tool life with a reduction in the frequency of dressing. Generally, Metal Bond wheels have the hardest matrix, therefore it performs best in operations under flood coolant.

One weakness to be aware of with metal bonded grinding wheels is that they are not easily dressed. Unlike resin and vitrified wheels, the bond material can't be cut away to release dull grit and expose new edges.

- Core Drills
- Hole Saws
- Reamers
- Dressing Disks
- Custom Tools

## OVER 40 YEARS OF EXPERIENCE

Every superabrasive consists of Diamond or CBN grit held in a supporting matrix material known as the "bond". Of the main bonding systems, Metal Bond is perhaps the best known thanks to its overall utility and length of time it's been available. Metal bonds for Diamond grinding wheels were introduced in the early 1940's. CDT manufactures all types of Metal Bond Diamond tools for many industries. While Metal Bond is well known, it's important to select the bond type most appropriate for the intended use. With over 40 years of manufacturing experience, we can recommend the correct tool and material for your application.

# METAL BOND TOOLS PROVIDE:

- **Long life**  
Metal bond grinding wheels last longer than those made by other methods. This boosts productivity by cutting down on dressing frequency and wheel changes.
- **Intricate Designs**  
Complex forms can be created, and since wear rates are low they last longer than in other types.
- **Impervious to Alkaline Coolants**  
Unlike resin grinding wheels which are susceptible to chemical attack — especially at elevated temperatures, metal bond's impervious properties make it well-suited for use with grinding fluids.
- **Heat quickly dissipates through the metal core**  
This property makes metal bond appropriate for high material removal rate operations like creep feed grinding, which are also helped by the ability to use coolant.
- **Superior form holding, impact resistance**  
With excellent hardness and wheel retention properties, metal bond performs outstanding interrupted cuts while retaining the tool's original dimensions during everything from light polishing to the most aggressive CNC grinding actions including centerless, cylindrical, creep feed, deburring and cutoff applications.
- **Compatible with many materials**  
Because metal bond grinding wheels are sintered with cobalt, copper, mill, silver or stannum power, they work exceptionally well on glass, refractories, ceramics, silicon, semi-conductors, quartz, and a variety of other surfaces.



## METAL BOND INDUSTRIES:

- AEROSPACE
- AUTOMOTIVE
- CERAMICS
- ELECTRONICS
- MEDICAL
- OPTICS
- STONE

- | MATERIALS PROCESSED           | APPLICATIONS    |
|-------------------------------|-----------------|
| ➤ Tungsten Carbide            | ➤ Metalworking  |
| ➤ Ceramics                    | ➤ Cylindrical   |
| ➤ Glass                       | ➤ Surface       |
| ➤ Ferrites                    | ➤ Cutoff        |
| ➤ Powdered metals             | ➤ Tool & Cutter |
| ➤ Titanium graphite composite |                 |

NEW

# RESIMAX

## DIAMOND & CBN TOOLS

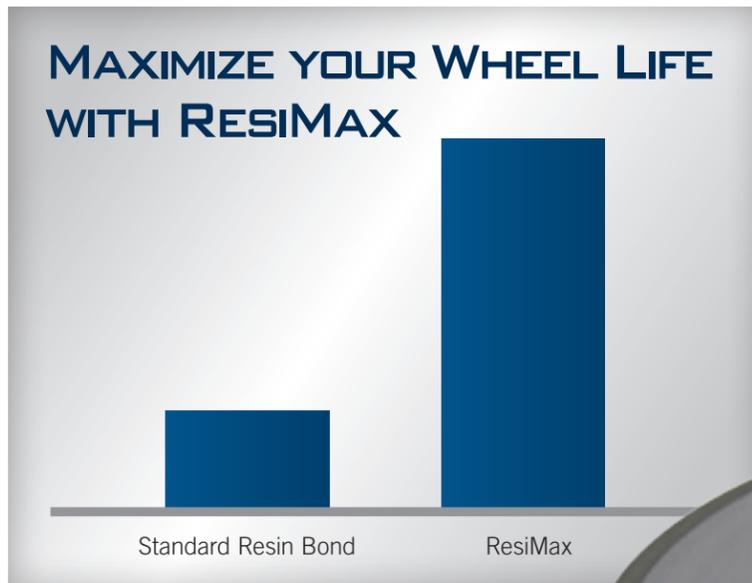
For maximum longevity, CDT's ResiMax Diamond and CBN wheels are the best. ResiMax offers improved cutting action, productivity, and longer life. Whether it is our pre-engineered bonds for your industry or a custom tool for your application, CDT has the right solution for you:

- RESIMAX**  
High quality pre-engineered and custom resin bond tools in Diamond and CBN
- SAWMAX**  
Ideal for making and sharpening tools for the Plastic, Woodworking, and Paper Knife industries
- TOOLMAX**  
Perfect for making and refurbishing carbide and HSS Round Tools
- PROFIMAX**  
Designed for maximum edge retention in Profile Grinding

Our ResiMax products are created using phenolic resin or copper along with other fillers, and embedded Diamond or CBN particles as the abrasives. Once mixed together, the hot-press process creates a variety of useful shapes and sizes which are then cured and machined.

The bonding of our ResiMax grinding tools helps to improve the overall finish of each ground tool. Whether you need polishing, sharpening, light or heavy grinding, our ResiMax products will meet your expectations.

- Metal Cutting Tools
- Woodworking Tools
- Glass and Ceramics
- Cutoff
- PDC Cutters



### AVAILABLE GRIT SIZES

CDT stocks a full range of grit sizes in both Diamond and CBN.

GRIT SIZE	EXPECTED FINISH (RMS)	MAXIMUM DEPTH OF CUT PER PASS
60	32-46	0.001"-0.002"
80	24-32	0.001"-0.002"
100	18-24	0.001"-0.002"
120	16-18	0.001"-0.002"
150	14-16	0.0007"-0.001"
180	12-14	0.0007"-0.001"
220	10-12	0.0005"-0.0007"
240	8-10	0.0004"-0.0006"
320	8	0.0004"-0.0006"
400	6-8	0.0003"-0.0004"

Use this chart as a general guide ONLY. Surface finish is affected by a number of variables, including machine type and condition, type of material, coolant, wheel speed, bond system, etc.

## RESIMAX TOOLS OFFER:

- **Excellent Grinding Action**  
ResiMax tools have a high grinding efficiency that gets the job done quickly.
- **Long Life**  
ResiMax is good at self-sharpening for prolonged use before maintenance is necessary.
- **Edge Stability**  
ResiMax edge retention reduces cycle times for excellent productivity.
- **Low Temperatures Under Use**  
ResiMax superabrasives have the inherent tendency to maintain low temperatures under use; this lowers the danger of burning an expensive work-piece in the process of grinding or polishing.
- **Convenience and Ease of Use**  
ResiMax tools are less apt to experience loading, and they dress easily for added convenience.
- **Pre-Engineered Bonds**  
Available for basic and demanding applications for various industries and optimized for higher performance.
- **Custom Formulas for your Application**  
Grinding abilities apply to both wet and drytasks on processing objects such as glass, ceramic, carbide alloys, ferrite, refractories, semi-conductors, and other electrical carbon products.



#### MATERIALS PROCESSED

- Tungsten Carbide
- Ceramics
- Stainless Steel
- HS Steel
- Titanium Nitride
- Zirconia/Aluminum Oxide
- Ferrites
- Powdered Metals
- Sintered Silicon Carbide
- Titanium Graphite Composite

#### APPLICATIONS

- Centerless
- Cylindrical
- Surface
- Creep Feed
- Cutoff
- Roll Grinding
- Tool & Cutter
- Saw & Knife Sharpening
- PCD Grinding
- Surgical Tool Blade Sharpening

### RESIMAX RESIN BOND INDUSTRIES

- CERAMICS
- BLADE & KNIFE
- MEDICAL
- OPTICS
- PAPER/CARDBOARD
- CUTTING TOOLS
- SAW INDUSTRY

# DIAMOND DRESSERS

Abrasive wheels wear over time and require maintenance and truing using Diamond dressers. Star dressers feature long handles and serrated discs, while Diamond dressers are generally preferred because of their superior strength and versatility. CDT's Diamond dressers are designed to achieve a geometric profile and the desired wheel topography. The correct dresser reduces thermal stress on the workpiece, enabling you to achieve optimum grinding results. We manufacture your dresser per order, so custom designs are easy for us to produce; supply our design team with the component and profile wishing to be dressed, along with grinding wheel information, and we will provide a drawing for approval once an order has been placed.

## DRESSER TYPES

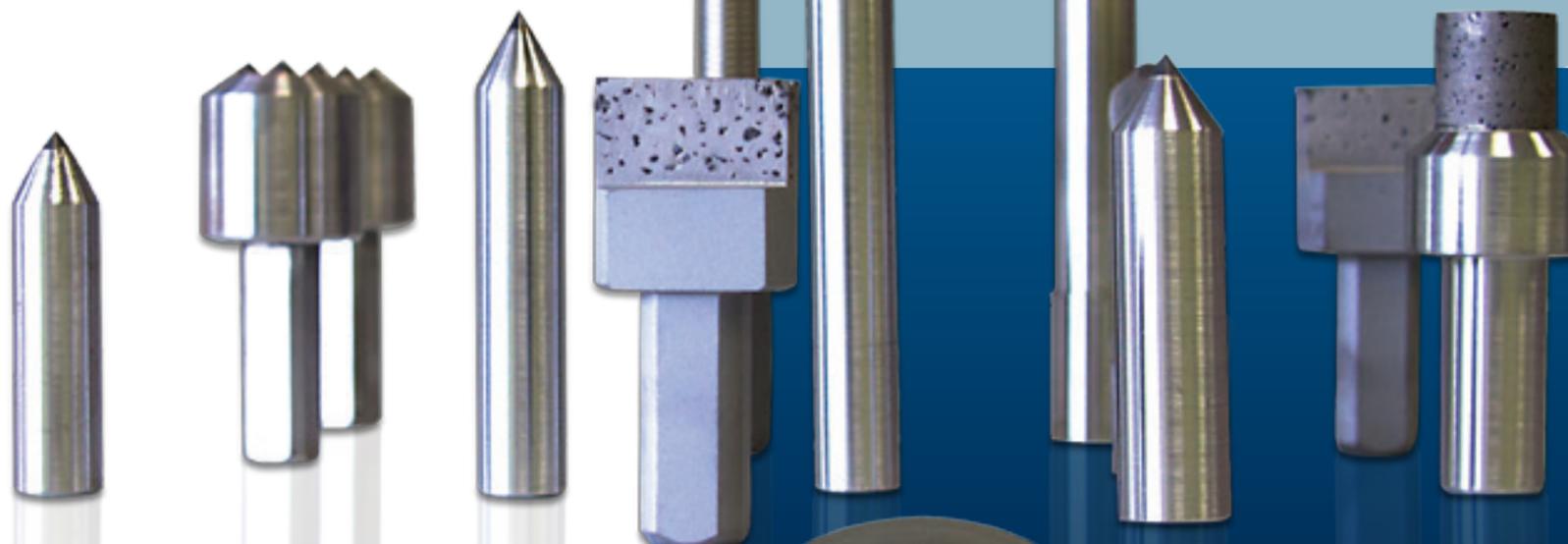
Differing designs and attributes make various types of Diamond dressing tools best suited for different applications. Common types include:

- **Single Point** — for straight dressing and dressing grinding wheels with simple profiles.
- **Stationary** — can be fastened to a suitable holder or shank to match any machine toolholder, such as Diamond Fliesen® tools.
- **Multi-Point** — boasts shorter production time, lower costs, faster stock removal, and long service life.
- **Diamond Roll Dressers** — used for tight tolerance and complex form dressing in Aerospace, Automotive, and Saw Industries.

## DRESSER SELECTION

When choosing any dressing tool or Diamond wheel dressing stick, it's important to select the tool that is the proper shape, size, and quality for the grinding wheel. Choosing a dresser or grinding wheel dressing stick that is softer than the grinding wheel will not dislodge any abrasive particles and can result in a loaded wheel. If you don't know which tool will work best with your application, discuss it with our knowledgeable customer service team to determine exactly what you need: 800-443-6629.

Regular maintenance using Diamond dressers ensures that your Diamond grinding wheel will perform at peak efficiency, trouble-free, for its long, sustainable life.



## THE CONDITIONING PROCESS

Over time, particle build up has the potential to cover up surface abrasives, making them dull and ineffective. Dressing the wheel knocks off any abrasive particles, resulting in a balanced and concentric wheel with minimal vibration. This "cleaning" essentially acts as a sharpening process, since the fresh abrasive grains are each cutting tools in their own right.

DRESSING		CLEANING
PROFILING	SHARPENING	
<b>Macrostructure</b>	<b>Microstructure</b>	<b>Microstructure</b>
Imparting running truth and correct wheel shape	Producing the wheel topography	Elimination of chips from the chip spaces
Intentional modification of grit and bond	Intentional setting back of the bond	No intention to modify the grinding wheel

# CDT DIAMOND DRESSERS ARE:

- **Versatile**  
Diamond dressers have shorter handles and are great for both dressing and truing.
- **Long-lasting and Cost-effective**  
Diamond dressing tools are durable, with a decreased dressing cost per project, making them a cost-effective dressing solution.
- **Efficient and Precise**  
Diamond grinding wheel dressers perform a constant operation that boasts high profile accuracy.
- **Quick, High Performance**  
With Diamond dressers, count on a fast dressing of even the most complex wheel profiles.



## CDT DIAMOND DRESSERS ARE IDEAL FOR THE FOLLOWING GRINDING PROCESSES:

- CD / non CD (Continuous Dressing)
- HSCD (High Speed Continuous Dressing)
- IPD (In Process Dressing)
- High-speed pendulum grinding

## DRESSER SIZES\*

<b>External diameter</b>	up to 200 mm
<b>Profile width of single roller</b>	up to 210 mm

\*Other custom sizes available on request.

## DRESSERS INDUSTRIES

- AEROSPACE
- AUTOMOTIVE
- BLADE & KNIFE
- POWER GENERATION
- MEDICAL
- CUTTING TOOLS
- SAW INDUSTRY



# INDUSTRIES

# Serving leading industries for 40 years.

Continental Diamond Tool has been providing superior precision tooling solutions to numerous distinct industries since 1973.

The following list is a small sample of our diversity. You can have confidence that we understand the challenges in your field, and we welcome the opportunity to explore new superabrasive applications. Can Continental Diamond Tool meet your most critical tooling requirements? We know we can. Challenge us!

### AEROSPACE & MILITARY

Composites  
Composite Material  
Honeycomb Composites  
Graphite & Kevlar  
Reinforced Plastics  
Titanium

### MEDICAL/DENTAL

Prosthesis  
Dental Instruments  
Surgical

### OIL & GAS

PCD/Carbide Grinding  
I.D. / O.D. Grinding

### AUTOMOTIVE

Engine  
Brake  
Steering, Suspension System  
Parts  
Rubber, Tire  
Windshield Glass, Mirror  
Body Parts

### OPTIC & PRECISION

Lens, Prism  
Measuring Instruments

### PAPER/CARDBOARD

Corrugated & Flat Cutters

### PLASTICS & COMPOSITES

FRP Corrosive Resistant Material  
Marine Fiberglass  
Cultured Marble Types  
Thermoset Resin Materials

### CERAMICS

Glass  
Brick, Refractories  
Ceramics  
Carbon, Graphite  
Lavatory  
Alumina

### STONE

Lapidary Tools  
Refractory Brick  
Peek Materials  
Granite

### ELECTRONICS

Ferrites, Magnetics  
Substrate (Ceramics, Glass, IC)  
Quartz Crystal  
Semiconductors  
Printed Circuit Boards

### TOOL & DIE

Cemented Carbide Tool & Die  
Special Steel Tool  
Molding Die  
Bearing  
Pneumatic, Hydraulic, Valve  
Gear, Thread  
Gear Guide, Bed  
Jig

### FIBERGLASS

Fiberglass Reinforced Plastics (FRP)  
Composites

### FOOD PROCESSING

Blade & Knife Sharpening

### GEM

Precious Stone  
Semi-Precious Stone

### WIRE & CABLE

Precision Die

### OIL & GAS

- CDT provides high precision solutions for grinding PCD/ carbide, wear parts and gage blocks for oil & gas drill manufacturing.
- We offer longer tool life with a high stock removal, delivering the best value in the industry for efficiency and effectiveness.
- Our I.D. grinding wheels use our latest bonds for grinding carbide and PCD drill bits. Our exclusive bonds also get you the most out of your tooling investments with O.D. grinding applications.

### AEROSPACE

- CBN grinding technology is ideal for both aircraft engine and land-based turbine engine components.
- Efficient manufacturing needs shorter production runs and longer cycle times, making electroplated CBN wheels the preferred choice for these types of high precision form grinding applications.
- We custom manufacture high-precision grinding tools for the top U.S. aircraft turbine manufacturers.

### COMPOSITES

- Our electroplated process is specialized for composites to provide outstanding cutting speed and efficiency.
- CDT engineers find successful and cost effective solutions for all types of composite, from FRP to fiberglass to Kevlar® aramid fiber.
- From automotive, aerospace and military to wind energy and sporting equipment, our electroplated wheels have seen great success in all areas of composites.

### MEDICAL

- Our high precision tools are specifically engineered for medical use, from bone sawing to intravascular applications.
- Our highly qualified staff understands the tight tolerances, thorough testing and quality processes needed for medical device manufacturing.
- Superabrasive tooling can increase your efficiency while saving your resources and time.

### ELECTRONICS

- With our line of scoring disks, superabrasive endmills, and diamond drills, we offer a wide variety of tools held to the highest standards in the industry.
- Our electroplated and metal bond grinding tools deliver superior removal rate and tool life to give you the most efficient, consistent tooling.
- We specialize in grinding tools for the printed circuit board industry, supplying some of the largest global manufacturers.



# Anything but Conventional.

Continental Diamond Tool has been producing superabrasive grinding wheels and custom tooling for over 43 years. CDT prides themselves in the saying "ANYTHING BUT CONVENTIONAL" with our product and our customer support. Superabrasive grinding wheels offer a variety of advantages over conventional with overall tooling cost, grinding time and ROI.

CDT does not feel anyone should settle for conventional, run-of-the-mill work. Our quality craftsmen are experts at producing custom pieces that are made to order. Below you will find our six foundational principles that set us apart from other precision tooling manufacturers. Join the thousands of industry leaders that entrust us with their important custom superabrasive products.

## WHY LEADERS CHOOSE CDT

### EXPERIENCE

Continental Diamond Tool (CDT) is a family owned company with main office and manufacturing located in New Haven, Indiana. CDT's reputation as a leading-edge manufacturer of Diamond and CBN wheels is the result of a disciplined commitment to excellence that has led the company since 1973.

### QUALITY

Our engineers are specialists in their field and take pride in maintaining the highest quality standards. We produce all of our Saw and Tool grinding wheels in-house under a stringent quality control system. We manufacture our wheels using CNC machines and automatic presses to maintain a consistent product of the highest quality.

### CUSTOMIZATION

We custom manufacture products tailored to our customers' specific needs. We boast a full machine shop with skilled technicians and an extensive inventory of raw material. This enables us to supply an unlimited assortment of superabrasive products in a timely manner with guaranteed satisfaction.

### PRECISION

Our industry expertise gives our superabrasive wheels and tools their unique precision. Our state-of-the-art equipment and highly skilled experts are supported by decades of experience. The result is a finished product unmatched in quality and consistency.

### PERSONALIZED TECH SUPPORT

From prototype to production, replacement tooling, or improving your existing operations, our cutting-edge customer service and tech staff can help you overcome the obstacles to increasing productivity and success. Our sales and manufacturing work closely together to ensure a satisfied customer experience.

### COMPETITIVE PRICING AND LEAD TIMES

We've maintained our position and reputation in the marketplace by meeting our customers' needs and producing the highest quality superabrasive products at competitive prices. Time is money. That is why we stock an extensive inventory of raw materials to deliver your order faster than others in the industry.

## CONVENTIONAL vs. SUPERABRASIVES

Below are the top 10 reasons you should choose a superabrasive solution for your next precision tooling project.

1. LOWER OVERALL TOOLING COSTS
2. DECREASED COST PER PART
3. DECREASED COST IN SWarf MANAGEMENT
4. INCREASED PARTS PER DRESS
5. MULTIPLE PROFILE GRINDS WITHOUT DRESS
6. LESS RESIDUAL STRESS ON PART
7. INCREASED THROUGHPUT
8. LOWER GRINDING PRESSURE
9. HIGHER REMOVAL RATES
10. IMPROVED SURFACE FINISH

## SMALL COMPANY VALUES, LARGE COMPANY CAPABILITIES

With this philosophy as our guide, Continental Diamond Tool stands behind our commitment to our customers and our employees. We are each personally dedicated to making sure our global customer base is never without the appropriate tools to get the job done.

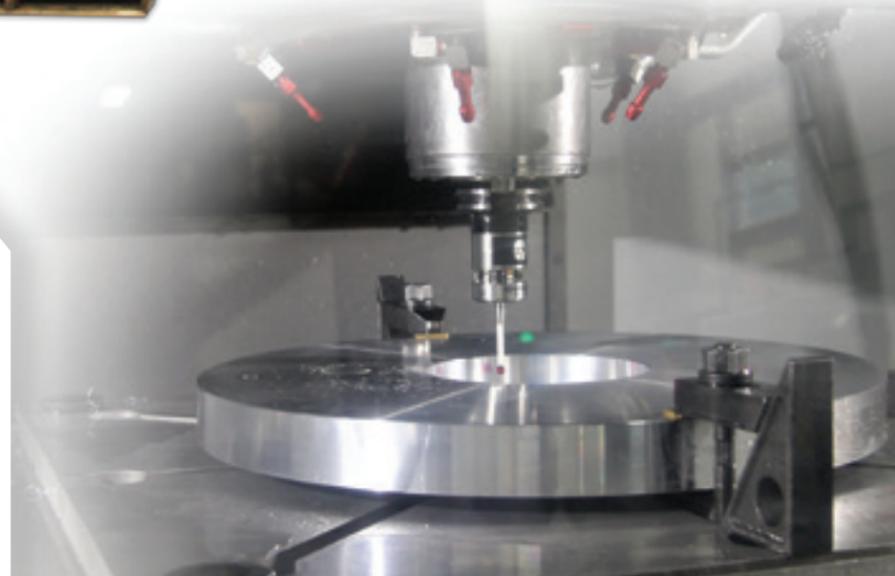
Our confidence stems from having a distributor network which is based on a "Relationship & Performance" foundation that is unparalleled in customer service, reliability and high quality precision. We provide the design and manufacturing for making each tool, which is backed by our outstanding ship times and our Test Policy Performance Payoff Guarantee.

### \* Test Policy \* Performance Payoff Guarantee

#### HOW IT WORKS

1. CDT will guarantee that your tooling will be manufactured to your requested dimensional and abrasive specifications.
2. You define the application requirements, the definition of a successful test, and the length of time of the test.
3. If CDT cannot match the quality or life of your current tooling, you will only be charged according to its value to you, based upon your current tooling cost.

For warranty questions contact your CDT sales representative, call 800-443-6629 or email [info@cdtusa.net](mailto:info@cdtusa.net).



## READY TO IMPROVE YOUR PRODUCTIVITY AND SUCCESS?

Whether you're big or small, our end goal at CDT is customer satisfaction. We pride ourselves on industry leading customer service, lead time, and product performance at the most cost effective price. From prototype to production, replacement tooling, or improving your existing operations, our staff can help you overcome your obstacles with tooling solutions that increase performance and reduce waste. Invest in your future with Diamond and CBN cutting and grinding products from CDT.

### 3 Simple Ways to Request a Quote:

1. Submit your project specifications and upload larger files through our website: [www.cdtusa.net/contact-us](http://www.cdtusa.net/contact-us)
2. Email details of your project with smaller file attachments to: [info@cdtusa.net](mailto:info@cdtusa.net)
3. Call our knowledgeable customer service team who is ready to talk through the parameters of your project, make recommendations, and supply a competitive quote:

**800.443.6629**

### CDT'S LATEST INVESTMENTS INCLUDE:

#### MANUFACTURING

- 11 ST-10
- 1 ST-20
- 3 ST-30
- 4 DS-30
- 1 ST-40
- 3 VF3SSYT
- 1 VF6SS SS

#### VALUE ADDED SERVICES

- Hines Balancers
- Speed Tester
- Zoller Venturion 450V6
- 8 Auto Presses

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Check out our website for:

- Project Samples
- Product Prints
- Catalogs of Specs
- Company News
- Frequently Asked Questions
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...and more.

Call Continental Diamond Tool today and talk with one of our customer service techs to discuss replacing your old conventional worn parts with high quality precision grinding wheels crafted using the best materials and technology available today. Performance is guaranteed!



## CONTINENTAL DIAMOND TOOL CORPORATION

**ELECTROPLATED | RESIMAX RESIN BOND | VITRIFIED | METAL BOND | DRESSERS**



Founded in 1973 by Ray Viggiano, Continental Diamond Tool took shape with just 2 employees and 4,500 sq. ft. in New Haven, Indiana. CDT has been providing technically superior precision tooling to a number of industries ever since. After multiple expansions to meet product and customer demand, CDT has set the groundwork with a 180,000 sq. ft. manufacturing facility that will accommodate new product releases and future customer needs. With a motto of "Small Company Values, Large Company Capabilities" CDT has become a worldwide manufacturer of superabrasive grinding wheels and tools. We welcome the opportunity to meet your most critical tooling requirements.

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