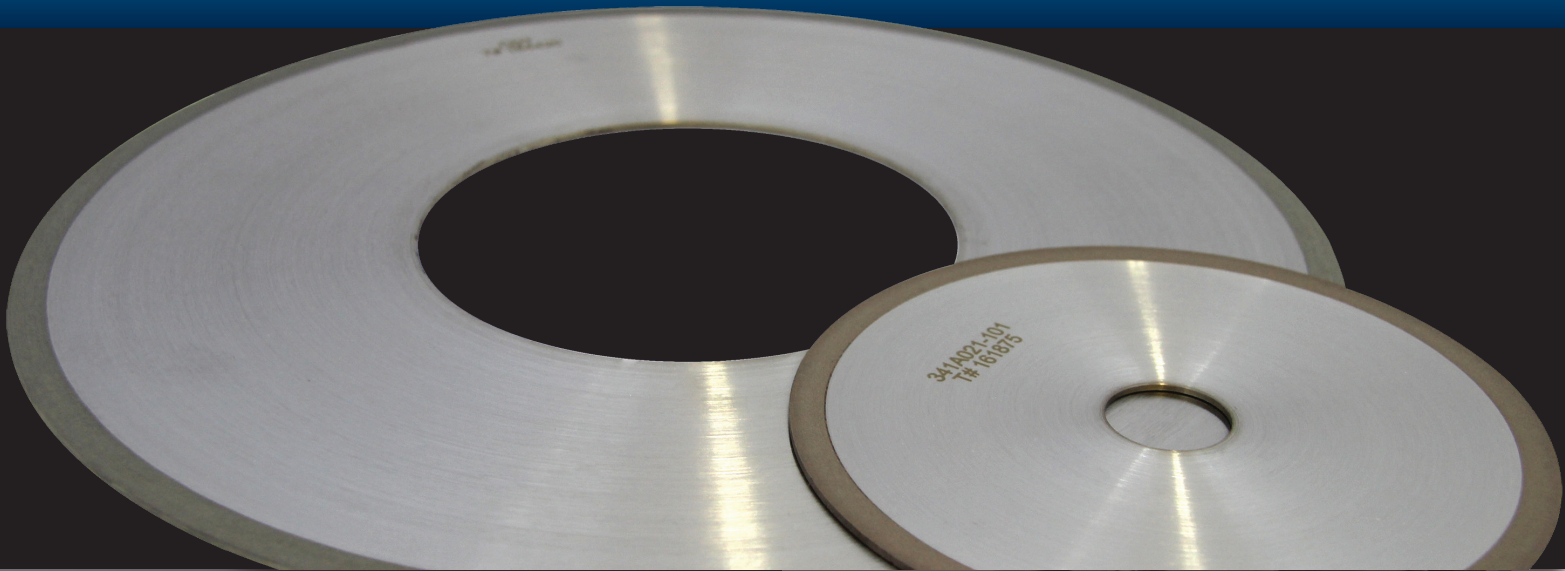




CONTINENTAL DIAMOND TOOL
CORPORATION

RESI^{max} RESIN BOND DIAMOND AND CBN PRODUCTS



We're setting the new standard.

NEW

RESI MAX

DIAMOND & CBN TOOLS

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

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:

RESI MAX

High quality pre-engineered and custom resin bond tools in Diamond and CBN

SAW MAX

Ideal for making and sharpening tools for the Plastic, Woodworking, and Paper Knife industries

TOOL MAX

Perfect for making and refurbishing carbide and HSS Round Tools

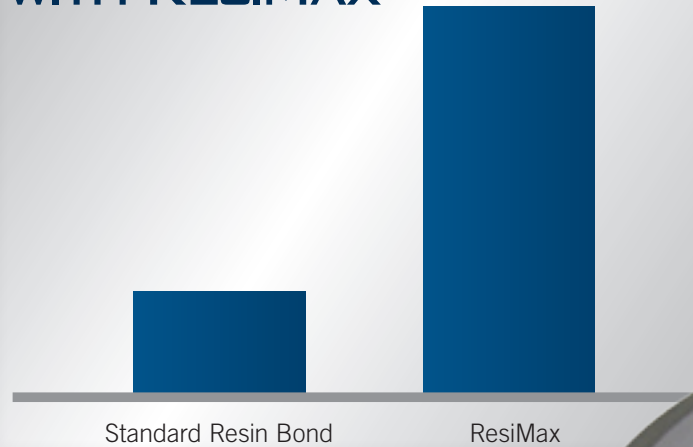
PROFI MAX

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.

MAXIMIZE YOUR WHEEL LIFE WITH RESIMAX



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 dry tasks 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



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.

Phone: 260-493-1294

Toll Free: 800-443-6629

Fax: 260-749-7326

Email: info@cdtusa.net

10801 Rose Ave.

P.O. Box 126

New Haven, IN 46774

www.cdtusa.net