



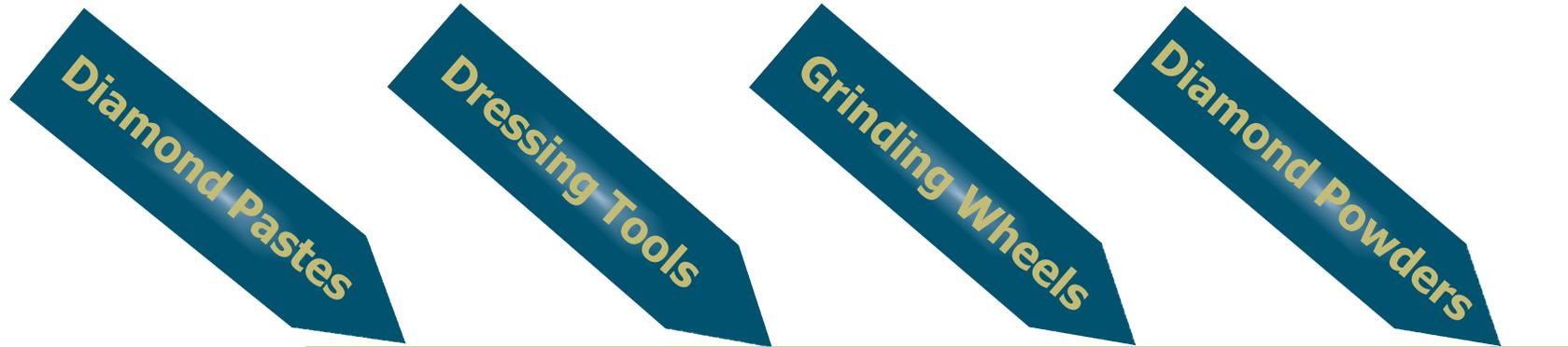
TOP QUALITY GRINDING, POLISHING AND FINISHING TOOLS

Since 1975



ABOUT US

Manufacturing Diamond Dressing Tools and Diamond Pastes since 1975



We manufacture Diamond Dressing Tools and Diamond Pastes since 1975 and provide a wide range of Grinding, Polishing and Finishing Tools. Our product range includes: Diamond Dressing Tools, Diamond Pastes and Slurries, Diamond & CBN Grinding Wheels, Diamond Powders and others.

DiaPoint is a leading supplier for the Israeli Industries such as Aviation, Optical, Medical, Defense and Automotive.

We believe that customer satisfaction is top priority, and we are always attentive to customer's needs and special requirements. Our reputation is built on providing high standard products, guaranteed service and complete customer satisfaction.

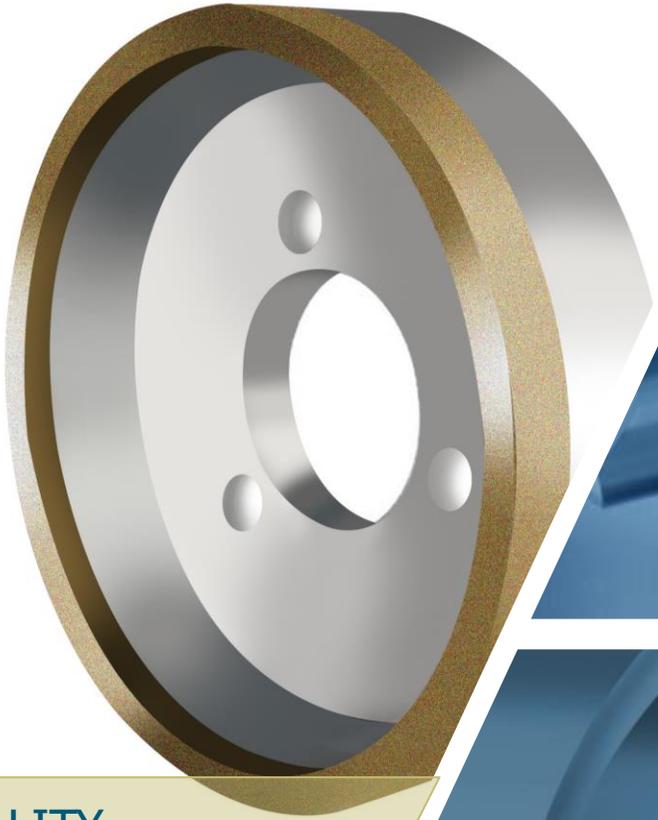
LEADING SUPPLIER TO THE ISRAELI INDUSTRIES

AVIATION, OPTICAL, MEDICAL, DEFENSE, AUTOMOTIVE and other industries



DIAMOND QUALITY TOOLS

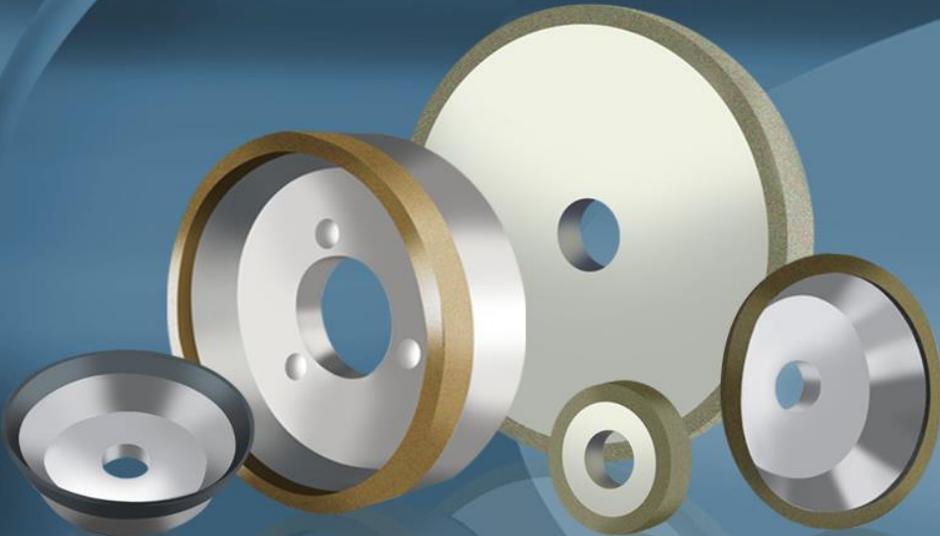
HIGH STANDARDS



QUALITY

SERVICE

CUSTOMER SATISFACTION



DRESSERS

DiaPoint provides a wide-range of standard Diamond Dressers, such as: SINGLE POINT, MULTI POINT, IMPREGNATED, CHISEL, CONED, BLADE and INSERT.

DiaPoint also specializes in providing TAILOR-MADE DRESSERS for special machinery and processes. We design and manufacture dressers as per customers' requirements.

- ✓ Natural Diamond or Synthetic Diamond - CVD / PCD / MCD
- ✓ Top Quality Dressers

MULTI POINT



CHISEL



BLADE



CONED



IMPREGNATED



SINGLE POINT



INSERTS



STANDARD / PREMIUM LINE

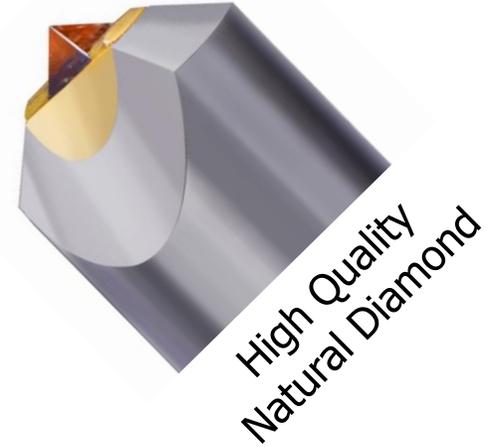
We design and manufacture dressers to meet various customers' requirements and needs.

- ✓ Natural Diamond or Synthetic Diamond - CVD / PCD / MCD
- ✓ Top Quality Dressers

TAILOR-MADE DRESSERS

DiaPoint provides Custom made Orders fitting your unique specifications, particular processes or machinery.

Customers may define required Geometry, Unique shape, Diamond size & type, etc.



DRESSERS



SINGLE POINT

Ideal for truing and dressing grinding wheels. Our specialty is unpolished natural diamond dressers with octahedron shape that provides fantastic results (surface rate and span life) also for accurate works that require special shapes or angles.



TRIANGLE INSERTS

Three working points, that can be rotated for use of all 3 points. Replaceable CVD/PCD Diamond Inserts. Dresser Holder supplied in variety of shapes. Suitable for a wide variety of dressing operations. Selectable choice if Radius options.



CHISEL

Diamonds are polished to an accurate angle and radius for contour dressing. The most common and stocked lapped radius sizes are: 0.125mm, 0.250mm or 0.500mm. Chisels including Diaform, Hoglund, Fortuna, Shaudt, Moore and J&L. We can also manufacture to your own specifications.

DRESSERS

MULTI POINT

Consist number of diamonds fixed into a wear resistant bond. Ideal for rough dressing.



IMPREGNATED

Contain few layers of diamonds. Designed so that as one layer is worn away, the next layer comes into operation.



CONED

Widely used for radius and form-dressing. We use high quality Natural or Monocrystalline diamonds with a 60° or 68° Cone point. Our standard tools comes with 0.125mm, 0.250mm or 0.500mm radius.



BLADE

Suitable for a wide variety of dressing operations. Supplied with either Grit or Flies type diamonds with 10mm or 20mm width and 10mm or 15mm depth of diamonds.



DIAMOND PASTES

DIAMOND PASTE SYRINGE – POLYCRYSTALLINE / MONOCRYSTALLINE

Complete range of Diamond Pastes for:

- PRECISION POLISHING
- PRE-POLISHING
- STOCK REMOVAL

GRADE: from 1/8 micron to 90 micron
CONCENTRATION: Strong / Standard
OIL / WATER SOLUBLE



DIAMOND QUALITY TOOLS

DIAMOND PASTES

POLYCRYSTALLINE / MONOCRYSTALLINE

Diamond pastes are widely used for providing high quality polishing results in molds, dies and other hard metal surfaces such as tungsten carbide, ceramics, sapphires, optics and other industries.

Our diamond pastes are made from selected diamond powders and bonds that are not affected by any changes of temperatures.

All pastes are available in Monocrystalline or Polycrystalline diamond with different concentrations – standard or strong, and oil or water soluble.

All pastes are supplied in 10 cc syringes as standard. Other grades, concentrations, or syringe sizes can be available as per customer's request.



DIAMOND PASTES

CUSTOM MADE DIAMOND PASTES

DiaPoint provides custom made orders, as per customer requests. Choose Diamond type: Natural or Synthetic, Monocrystalline or Polycrystalline, Grit size, Diamond Concentration, Oil or Water soluble, Syringe Sizes.

GUARANTEED QUALITY OF DIAMOND POWDER AND ACCURATE PARTICLE SIZE

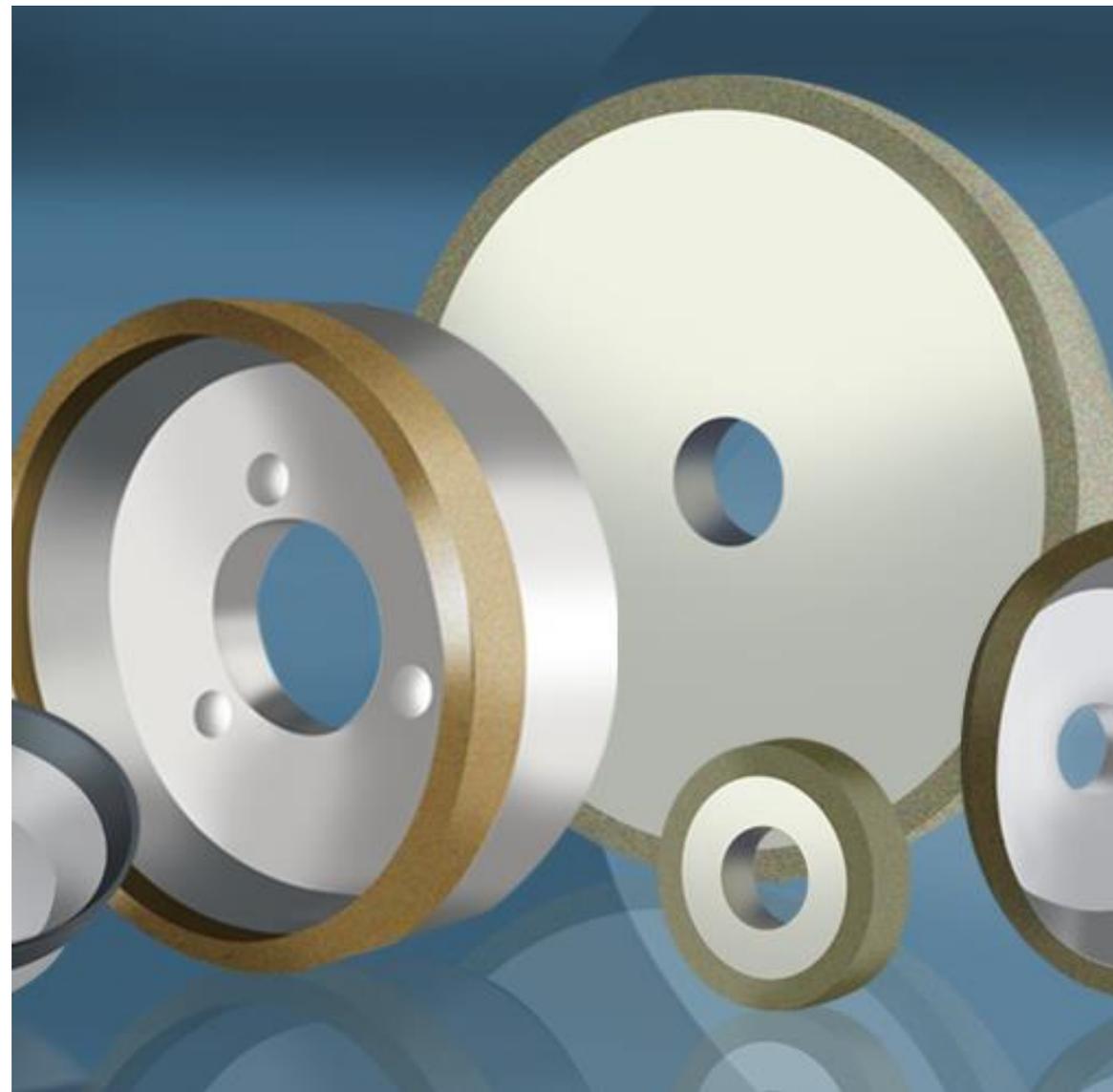
Whilst using high-quality Diamond Powder, we ensure the tightest possible particle size and its distribution within every batch, DiaPoint uses a wide range of processes designed to ensure that customers receive consistent product, batch after batch, ensuring consistent finish and removal rates.



DIAMOND & CBD GRINDING WHEELS
METAL BOND | RESIN BOND | ELECTROPLATED



GRINDING WHEELS

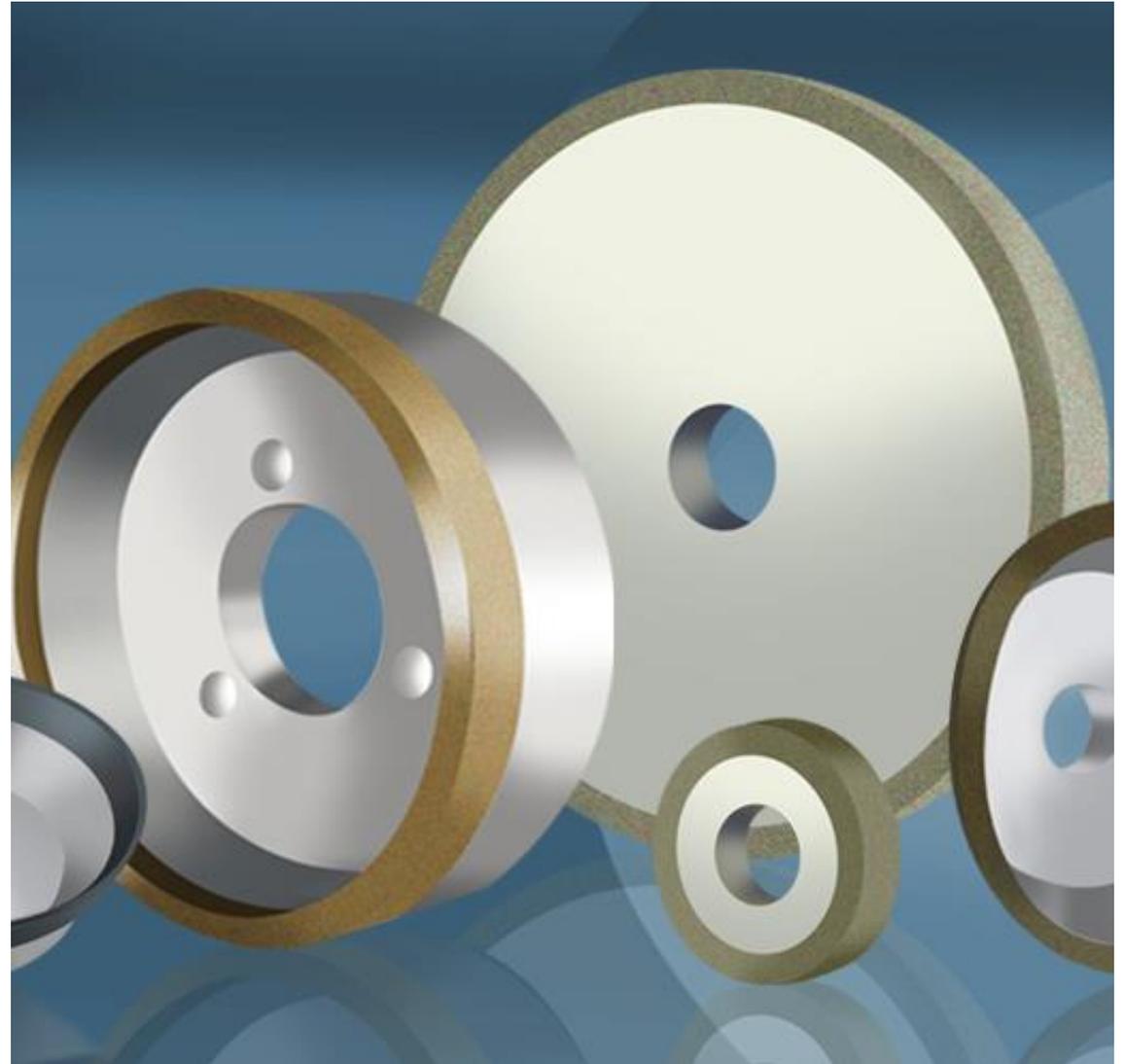


DIAMOND & CBN GRINDING WHEELS

METAL BOND | RESIN BOND | ELECTROPLATED

Diamond and CBN grinding wheels are used in variety of grinding applications on hard materials. Precision grinding can be used in both wet or dry processes.

- ✓ High removal rates
- ✓ Extremely accurate
- ✓ Long wheel life
- ✓ Wide range of Grinding Wheels / Applications
- ✓ Natural Diamond or Synthetic Diamond Grits

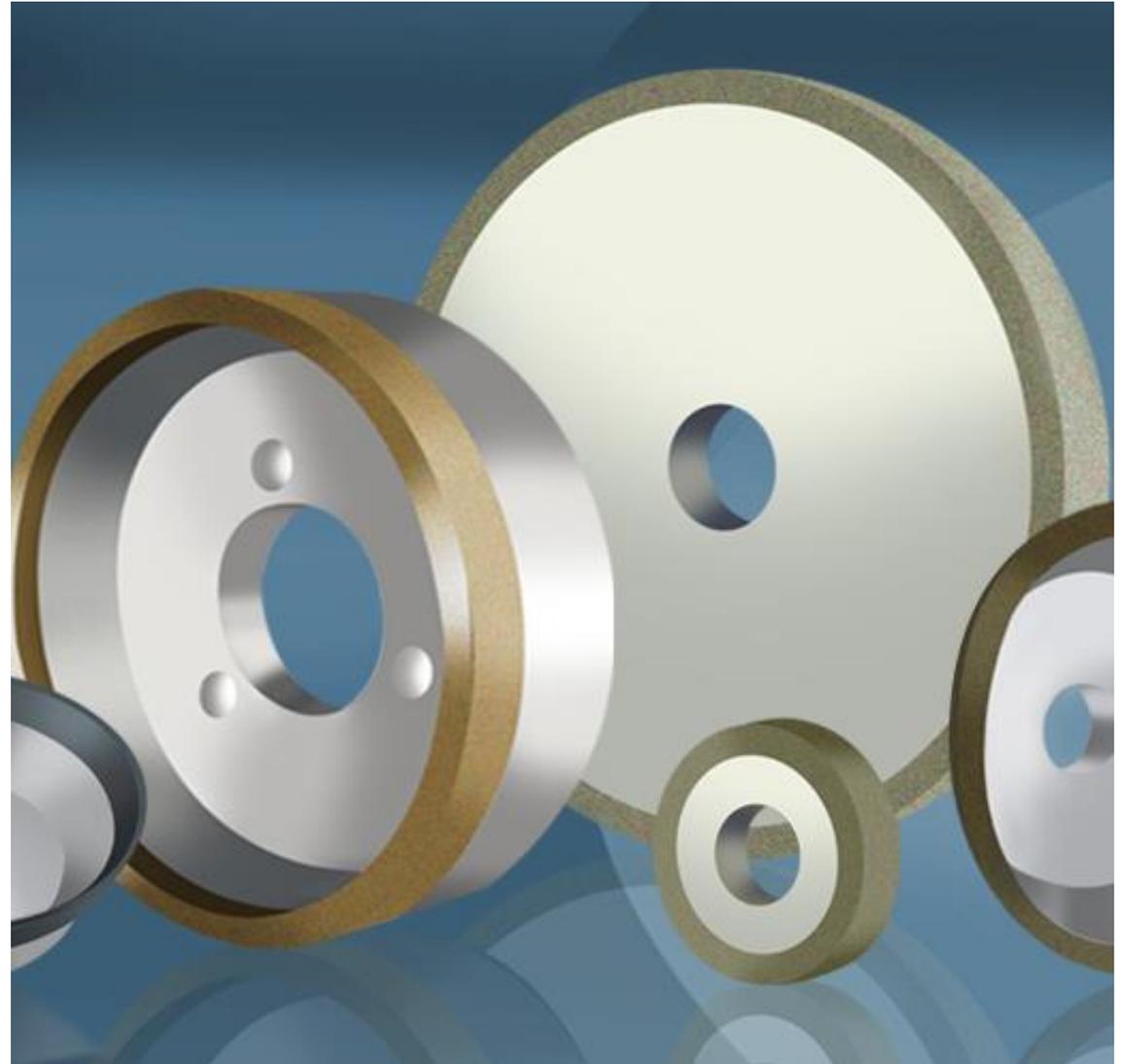


METAL BOND GRINDING WHEELS

Metal bond grinding wheels have excellent wear resistance, its strength keep accurate shape during the grinding process and maintains long tool life. Metal bond grinding wheels are typically used in cut-off applications and grinding glass, ceramic, as well as steels and profile grinding in carbides.

We offer the basic types of Metal Bonds:

- Bronze based – soft / medium-hard bond
- Steel Based – very hard bond

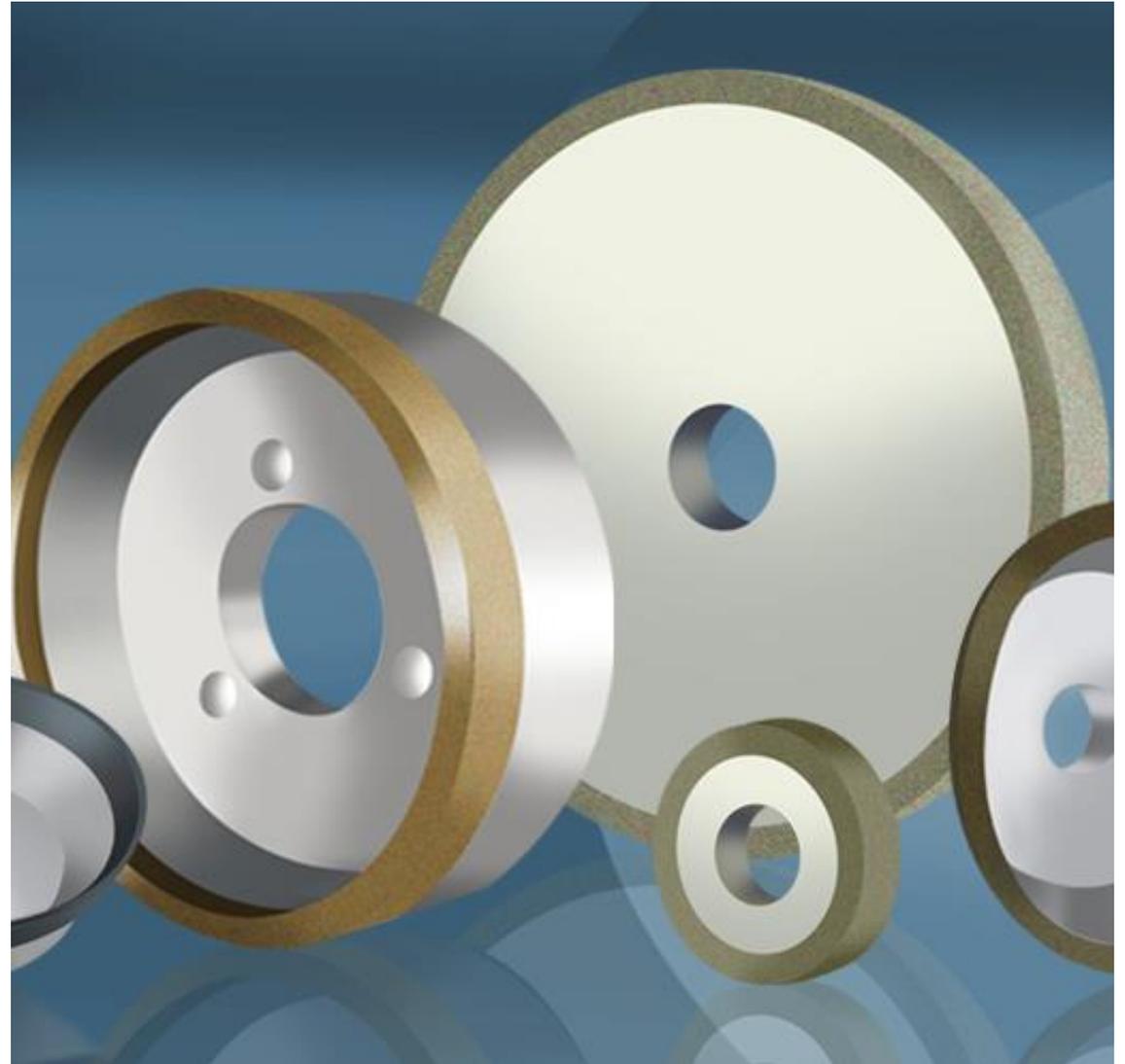


RESIN BOND GRINDING WHEELS

Resin Bonds are known for high-cutting-efficiency. They are highly versatile and may be used in a variety of applications, in both wet or dry processes. applications: Tool making, Optics, and others.

Resin bond is durable with excellent grinding ability, high removal rates, minimal chipping, long wheel life and overall great performance/price ratio.

We offer the following types: Resin, Resin/Metal, Hybrid, Ceramic.

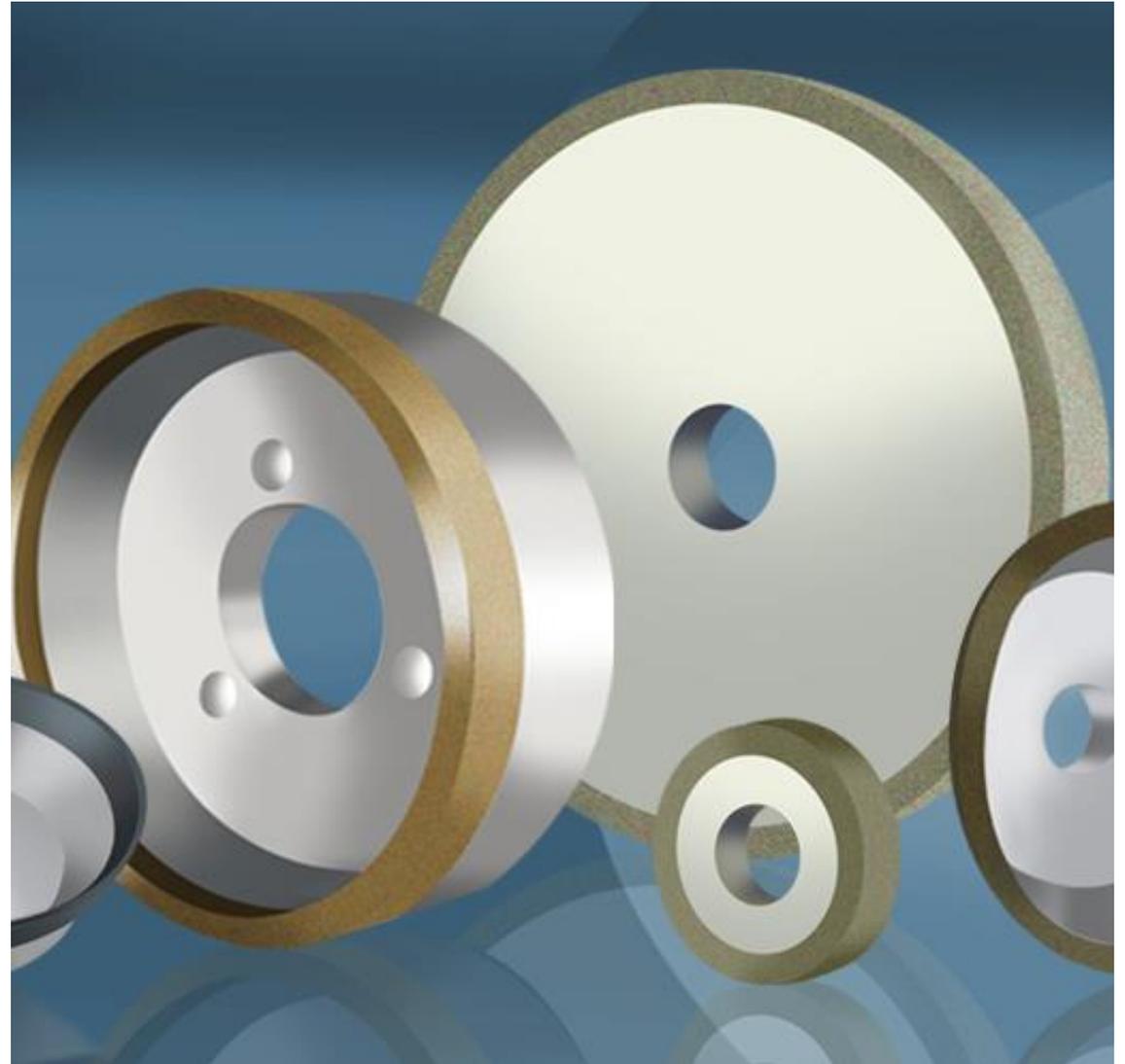


ELECTROPLATED GRINDING WHEELS

Electroplated wheels are precision engineered and bring stable performance in grinding accuracy and grinding ability meeting the high demands of Tool Grinding and a variety of other applications in Hard metals, Sapphires and other composite materials.

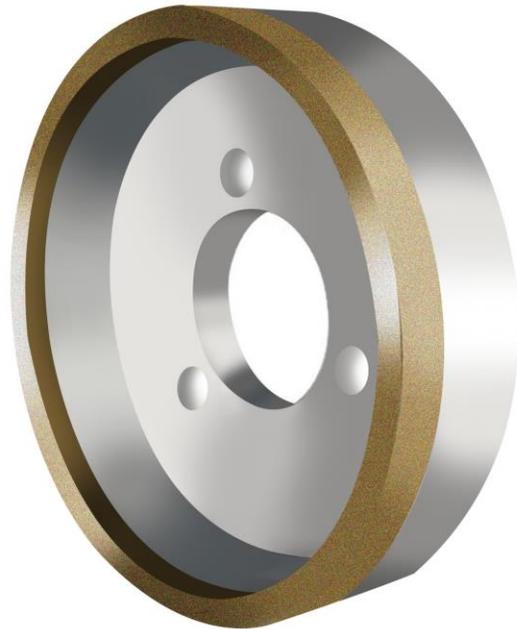
Electroplated wheels are the best choice for Profile grinding.

Electroplated Grinding Wheels can be re-plated. Once the use is causing erosion of the electroplated diamond layer, it can be stripped off and re-plated, thus achieving long wheel life.



DIAMOND / CBN GRITS

COMPARISON TABLE



D – Diamond

B – Borazon (CBN)

FEPA Standard D or B	U.S Standard Mesh	Grit size (Micron)
D/B 1181	16/18	1180-1000
D/B 1001	18/20	1000-850
D/B 851	20/25	850-710
D/B 711	25/30	710-600
D/B 601	30/35	600-500
D/B 501	35/40	500-425
D/B 426	40/45	425-355
D/B 356	45/50	355-300
D/B 301	50/60	300-250
D/B 251	60/70	250-212
D/B 213	70/80	212-180
D/B 181	80/100	180-150
D/B 151	100/120	150-125
D/B 126	120/140	125-106
D/B 107	140/170	106-90
D/B 91	170/200	90-75
D/B 76	200/230	75-63
D/B 64	230/270	63-53
D/B 54	270/325	53-45
D/B 46	325/400	45-38
D/B 30	500/600	20-40
D/B 15	1200	9-18

Coarse

Fine



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