



CONSORT
PRECISION DIAMOND



Rotary Diamond Dressers

CONSORT PRECISION DIAMOND

**If an application calls for a Rotary Diamond Dresser,
Consort Precision Diamond will provide the best solution technology can offer for the job.**

Who is Consort Precision Diamond?

Based in the United Kingdom, Consort Precision Diamond Company was established in 1984 as a manufacturing facility dedicated to the production of Rotary Diamond Dressers.

In 2018 Consort became a subsidiary of U.S.-based Continental Diamond Tool Corporation, manufacturer of Diamond and CBN Grinding Wheels and Tools. Along with having complementary products, the two entities share a reputation for quality craftsmanship and commitment to excellence within their industry.

Rotary Diamond Dressers

At Consort Precision Diamond, we concentrate on the design, development, manufacture, installation, and maintenance of Rotary Diamond Dressers. Rotary Diamond Dressers are used extensively in production grinding operations to facilitate highly accurate repeated configurations, especially in the Automotive and Aerospace industries.

Award-Winning Processes

Consort Precision Diamond is proud of receiving the BOOST award in the U.K. in 1995 for the design and development of the Reverse Plating technique. This high speed plating process dramatically reduced lengthy plating times.

In the same period, Consort received the S.M.A.R.T 1995 award as an acknowledgment of the reduction in the process time employed in the manufacture of Reverse Plated Rotary Diamond Dressers. Consort proudly holds the ISO 9001:2015 Registration for its Quality Management Systems.

Our Capabilities

We have the engineering, design, manufacturing and staff resources to supply the highest quality Rotary Diamond Dressers available on the market. Our specialized experience ensures each product we supply is the optimum choice for each individual customer, however demanding and complex the configuration.

COMPANY INFORMATION

www.consortprecision.co.uk

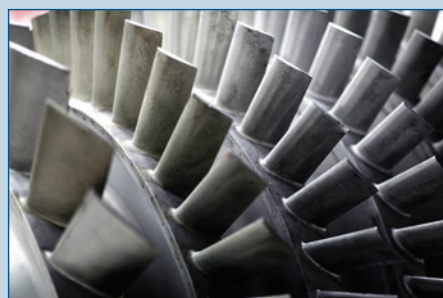
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Address: Units A1/A2 Tir Llwyd Ind. Est., Kinmel Bay, Conwy LL18 5JA UK

VAT No: 401 - 389768 | UK Company No: 1811567 | ISO 9001:2015

INDUSTRIES

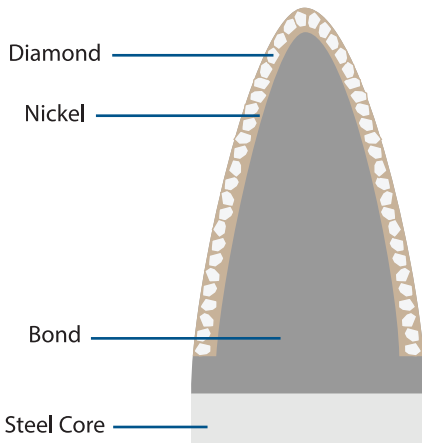
AUTOMOTIVE | MEDICAL | AEROSPACE | TOOL & DIE



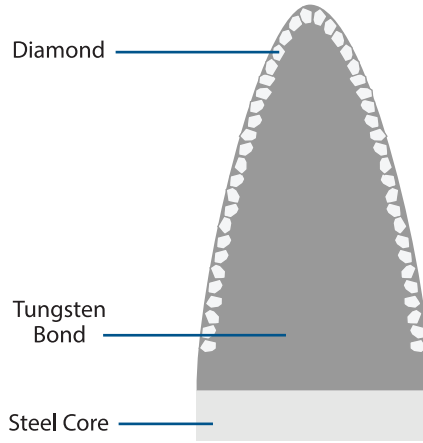
Engineered For Excellence

DRESSER TYPES

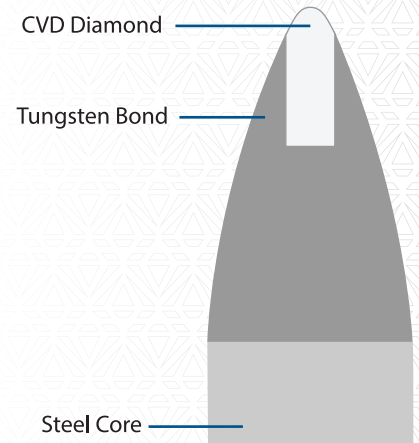
REVERSE PLATED



SINTERED



CVD DISC DRESSER



PLUNGE FORM ROLLS

Reverse Plated and Sintered



FOR CRITICAL OR HIGH WEAR AREAS

We offer handset and random set dressers with and without CVD reinforcing stones.

CVD FORM DRESSERS

Quality

CNC dressing discs can be manufactured in natural diamond, CVD pieces, or combinations of natural diamonds and CVD pieces, depending on the customer's requirements, to a very accurate profile, typically with a radius as small as 0.100 mm with a profile tolerance of 0.002 mm. The radius is designed to suit the requirements of the form needed on the abrasive grinding wheel.

CVD & Radius

CVD gives a greater consistency of dress throughout the life of the dresser. The bigger the radius that can be used, the longer the life of the tool.

Flexibility

CVD type CNC dressing discs give the engineer the flexibility to dress many different forms onto a grinding wheel with the one form roll.

Relapping

Consort Precision Diamond also offers relapping the profile of the CVD form roll back to the original tolerances a number of times, thus reducing the need to purchase a new dresser.

Enquiries

When enquiring for a CVD form roll, Consort Precision Diamond will need to know:

- outside diameter
- inclusive angle
- radius
- tool width
- bore size

There is an illustration of typical forms included in this catalogue as a guide to help when purchasing a form roll.

A drawing will be produced and sent to the engineer to ensure the design meets with his or her requirements.



We're setting the new standard.



CONSORT PRECISION DIAMOND

CALL US FOR A QUOTE
+44 (0) 1745 343951

SPECIALIZING IN
DIAMOND ROLLS
& OTHER DRESSERS

ALSO CARRYING CDT
DIAMOND & CBN GRINDING WHEELS & TOOLS
ELECTROPLATED | VITRIFIED | METAL BOND | RESIN BOND | GL™ BOND



**CONTINENTAL DIAMOND TOOL
CORPORATION**

ESTABLISHED 1973

CDT is a worldwide leader in the manufacturing of superabrasive products for a global market. Product lines include Electroless Plating, Electroplated, Metal Bond, Resin Bond, Vitrified, and CDT's own unique GL™ Bond diamond and CBN grinding wheels and tools, as well as diamond dressers and rolls. CDT's quality craftsmen welcome the opportunity to meet the industry's most complex and critical tooling needs.

[**www.cdtusa.net**](http://www.cdtusa.net)



**CONSORT
PRECISION DIAMOND**

ESTABLISHED 1984 - JOINED CDT 2018

Consort Precision Diamond concentrates exclusively on design, development, manufacture, installation, and maintenance of rotary diamond dressers. We have the resources to supply the highest quality rotary diamond dressers available on the market. If an application calls for a rotary diamond dresser, Consort Precision Diamond will provide the best tool for the job.

[**www.consortprecision.co.uk**](http://www.consortprecision.co.uk)



**CONTINENTAL DIAMOND TOOL
DO BRASIL**

ESTABLISHED 2018

Continental Diamond Tool do Brasil specializes in the design and manufacture of vitrified CBN and diamond grinding wheels and tools. Strategically located in South America, CDT do Brasil is positioned to provide new opportunities for superior quality superabrasive products in the South American market.

[**www.cdtbr.net**](http://www.cdtbr.net)