



Manufacturer and Supplier of
specialised abrasive products

A Company of the Tyrolit Group
www.grindtech.com

 **Grinding
Techniques**



Superflex cutting and grinding discs for portable machines

Grinding Techniques locally manufactures Superflex cutting and grinding discs specifically engineered for applications on various materials from steel and stainless to non-ferrous metals, stone and concrete.

Our range is tiered from Premium to Evolution, consisting of both Slimline (ultra-thin discs) and conventional discs with different shapes, sizes and wheel thicknesses to ensure that you can easily find a cutting or grinding disc suited to a specific application.



Superflex cutting discs for stationary cut-off machines

Superflex cut-off discs are specifically manufactured to suit different applications, machine types and speed requirements.

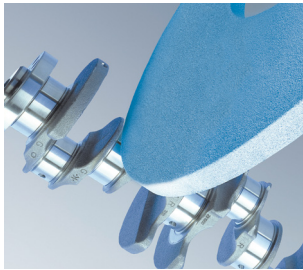
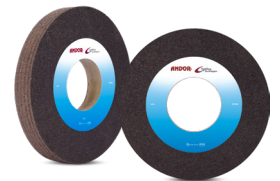
Available in a range of sizes for optimum performance on stationary machines.



Andor resinoid bonded snagging wheels

Achieve high grinding performance with maximum stock removal and continuance with our Andor snagging wheels. Specifically designed for rough grinding applications, such as portable grinding, bench, pedestal and pendulum (swing frame) grinding, as well as rail grinding.

Andor wheels are reinforced for high speeds and specific applications.



Vitrified bonded precision grinding wheels for the automotive sector

Grinding Techniques has vast experience in developing task specific bonded wheels for the automotive component's manufacturers for both OEM and engine reconditioning markets. With continuous research and development, we are able to not only offer a product that is cost effective, but also well known for its consistent reliability.

From our Andor range of crankshaft, camshaft, valve and conrod grinding wheels, Grinding Techniques is capable of delivering world class quality and innovative products to meet customer specific stock removal and surface finishing requirements.

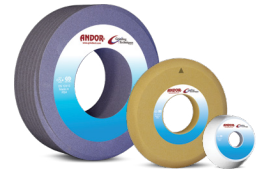


Vitrified-and-resinoid bonded Andor grinding wheels for precision grinding

Andor vitrified-and-resinoid bonded precision wheels are specifically engineered to suit applications including, but not limited to mining, saw sharpening, thread and gear grinding.

A comprehensive range of shapes, sizes and specifications are available to suit most requirements.

Local manufacture enables us to engineer specific products to cater for individual requirements with short lead times and on-site technical support.



Vitrified-and-resinoid bonded segments

Surface grinding segments are available in a range of shapes and sizes to suit various applications from blade and knife grinding, to surface grinding in the automotive sector.

Specifically engineered to ensure excellent stock removal and low heat generation.



Mounted points, polishing points and abrasive cones

Used in all foundries, heavy engineering and machine shops, tool rooms and the construction industry; mounted points are the ideal tool for removing excess material.

Available in various sizes and specifications, they are suited to a number of applications - Blending tools and dies, deburring, enlarging holes and fettling of castings.

Hi-glo products conform to all surface contours to achieve a completely uniform surface finish with minimal stock removal which will remain constant throughout the life of the polishing point. Various grit sizes and specifications are available for a range of applications from descaling and cleaning to finishing and smoothing.



Tungsten carbide burrs

Tungsten carbide burrs are suited to a number of applications with superior performance for high speed machines - Ideal for rapid stock removal when machining hard materials.

Available in a range of shapes and sizes.



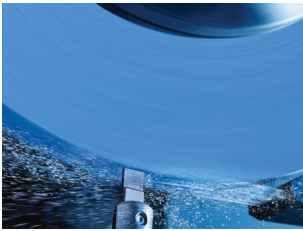
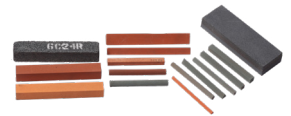


Oilstones, carbotools, rubbing bricks and dressing sticks

Oilstones and carbotools are used to super finish pre-sharpened tools to obtain a long-lasting edge, or to deburr or hand hone precision tooling.

Rubbing bricks are normally used for smoothing down concrete form work, or for flattening press molds.

Dressing sticks are used to dress other abrasive products.



Dressing tools

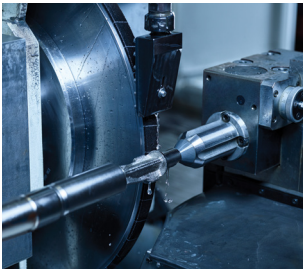
Dressing tools are used to bring abrasive products back into truth - (i.e the correct shape), to put a special shape onto a grinding face, or to dress open the grinding face of an abrasive product, thereby ensuring an efficient grinding action. Dressers are available in both single-and-multipoint designs.

Boron carbide dressing sticks, and spare sets or standard abrasive dressing sticks are available.



Diamond blades

We offer a wide selection of diamond blades in various sizes and designs. They are used to cut concrete, brick, glass, paving stones, clay products, refractories, slate, terrazzo, granite, porcelain, marble and many other products. Available in segmental, continuous and turbo configurations. Both our Andor and Superflex diamond blades offer great value for money with high performance.



Diamond and CBN (Cubic boron nitride) wheels

Diamond wheels are used to grind cemented carbides, where CBN wheels are the abrasive choice when conventional abrasives come up against extremely "hard to grind" materials. CBN wheels are particularly effective on difficult steels – (usually harder than 58 HRC).

Various specifications are on offer.



Coated abrasives

Achieve optimum surface finishing with our wide range of grit sizes to suit the required application. Our coated range is available in a variety of different products to create the desired finish.

We carry a wide variety of products ranging from application on metal and wood to the automotive industry.

With rolls, sheets, discs and belts on offer, we supply superior industrial quality products, locally converted to suit specific customer requirements.



Non-woven abrasives

Our selection of non-woven abrasives is manufactured to create even finishes in fewer steps than with conventional coated abrasives. Designed with flexibility, they are ideal for achieving high-quality micro-satin surface finishes on metal, plastics, coatings and composite materials.

Products are available in rolls, hand pads, surface conditioning discs, buff wheels and spindle mounted flap wheels - All available in different grit sizes, to achieve customer specific requirements.



Accessories

In some instances, additional products are needed to facilitate the use of abrasive products.

We carry a range of items suited for this including back-up pads, mandrels, flanges and abrasive adhesive.



Products for home improvements

Our range of abrasive products are ideal for every application at home. From cutting and grinding to sanding and finishing, we carry a vast assortment of products to suit your project requirement.

Superflex products are available at all major retailers.



Grinding Techniques

Grinding Techniques was founded in Chamdor (Krugersdorp) in 1981 with the aim of supplying specialised grinding products for the industrial market. Since then, our company has developed into an important force in the industrial abrasives market. With an extensive range of high quality cut-off and grinding wheels, specialised industrial and diamond tools and a wide range of surface finishing tools, you will always find the right product for your application.

Since 2014, Grinding Techniques is an important part of the global TYROLIT Group, one of the world's leading manufacturers of grinding and dressing tools and a system provider for the construction industry based in Austria.



Grinding Techniques headquarters in Chamdor (Krugersdorp)



FEATURES AND BENEFITS

Superflex and Andor Products are manufactured in South Africa to the highest international standards EN and ANSI.

Using the latest production methods and best quality raw materials, they are specifically formulated to suit many working conditions.

The TYROLIT Group

TYROLIT is one of the world's leading manufacturers of grinding and dressing tools as well as a system provider for the construction industry.

Since 1919, TYROLIT stands for products of the highest quality, innovation and service strength. Headquartered in Schwaz (Austria), the Tyrolean family-owned business combines the strengths of being a part of the dynamic Swarovski Group with a century's worth of individual corporate and technological experience. With more than 4,500 employees at 29 production sites in 11 countries, the TYROLIT Group manufactures over 80,000 different products in three business divisions.



TYROLIT headquarters in Schwaz (Austria)

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