

- TOOLING SOLUTIONS SINCE 1983

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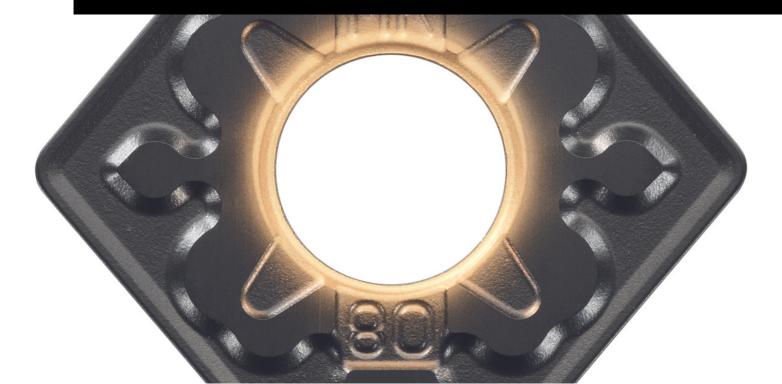






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WELCOME TO MULTITRADE'S

BRAND PROFILE

Welcome to Multitrade Distributors, your trusted provider of cutting-edge tooling solutions. Our mission is to deliver top-quality products and services to help our customers achieve their goals and thrive in their industries. The Multitrade Distributors brand profile is a helpful tool used to showcase our various brands, services, and products, which are specifically designed for different applications and industries. By using the brand profile, you can easily find information about the products and services being offered, such as specifications, features, benefits, and industry solutions. The brand profile makes it easy to compare different products and brands and find the best solution that suits your specific needs.



MULTITRADE DISTRIBUTORS

ABOUT US

Multitrade Distributors is a South African company that specialises in providing tungsten carbide cutting tools, holding tools, and industrial vending machines to the engineering and manufacturing industries. The company was founded in Port Elizabeth in 1983 with the primary goal of introducing and maintaining a total tooling solution for these industries.

As the sole distributor for Mitsubishi Materials products in the Southern African regions since inception, we have expanded our range to include various other international brands. With the head office located in Johannesburg and branches in Cape Town, Port Elizabeth, and Durban, the company serves other areas through a network of smaller distributors.

The quality of the brands represented is a source of pride for us, our management and staff possess a high level of expertise, which includes the full support of a technical applications department. This department provides guidance on tooling requirements and full CNC programming in many disciplines, including turnkey projects.

To meet the increasing trend of Additive Manufacturing in South Africa, Multitrade Distributors established a sister company in 2019 called Multitrade 3D Systems (Pty) Ltd. This company specialises in providing superior metal Additive Manufacturing/3D Printing solutions from GE Additive, Meltio, and AMAZEMET.



OUR BRANDS

We are proud to offer a wide range of products and solutions from leading brands in the industry, including:



★MITSUBISHI MATERIALS















OUR SERVICES



Process Control & Stability

Multitrade aims to provide customers with the most cost-effective tooling solutions to ensure the lowest cost per component, reduced scrap and stability, continuous repeatability, and quality.



Cost Saving Solutions

Multitrade offers regrinding, resharpening, design and manufacturing of special tooling. Regrinding drills and end mills to extend tool life and reduce costs. Our technical team designs specialised tooling for applications in order to lower the cost per component and decrease cycle time, therefore, saving our customers money.



Turnkey Solutions

We assist our customers with fixture design and manufacturing to tooling selection, programming, setting, end product, and continuous improvement.



Technical Support

We have a dedicated technical team on call and ready to assist with any technical encounters. Providing guidance on basic tooling requirements to full CNC programming in many disciplines, including turnkey projects.



Programming Assistance

We run various CAD/CAM packages allowing us to assist customers with the most efficient machining processes, in order to increase tool life and metal removal. Through collaboration with our CAM partners, we can also assist with advanced programming services.



Design & Manufacture

We offer design and manufacturing services for special tooling. These custom-designed tools are tailored to meet the unique needs of individual customers and specific applications.

WHAT WE OFFER



Through collaboration with our international partners, we are able to supply our customers with tooling solutions for any application in the engineering and manufacturing industries. At Multitrade we pride ourselves in the quality brands that we represent.



The level of expertise of our management and staff is our biggest asset. We aim to take care of our customer's needs by providing and delivering high-quality, professional, value added services. We strive to provide assistance before, during, and after the customer's tooling requirements are met.

Extensive local stockholding

Multitrade maintains a well-stocked warehouse with various products and brands for all your tooling requirements.



Industrial Vending Solutions

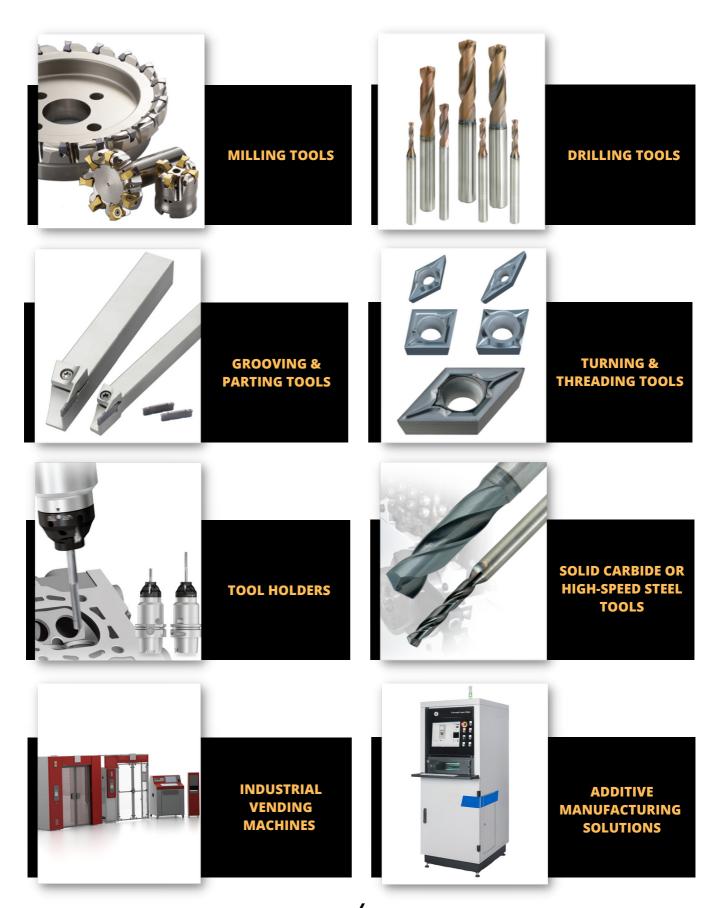
We deliver truly innovative smart vending solutions for inventory control in partnership with AutoCrib®.



Additive Manufacturing Solutions

Multitrade 3D Systems supply superior metal Additive Manufacturing (3D Printing) machines and solutions from GE Additive. Meltio. and AMAZEMET

PRODUCT CATEGORIES





OUR PRODUCT OFFERING FROM MITSUBISHI MATERIALS

DIA EDGE

Multitrade Distributors is proud to have built a positive and long-standing relationship with Mitsubishi Materials since 1983. Mitsubishi Materials is a leading manufacturer of cutting tools for the engineering and manufacturing industries. They offer a wide range of products including indexable inserts, end mills, drills, and tool holders, all designed to provide high performance and efficiency in machining operations. Their products are known for their durability, precision, and versatility, and are used in various applications across industries such as aerospace, automotive, energy, medical, and more.

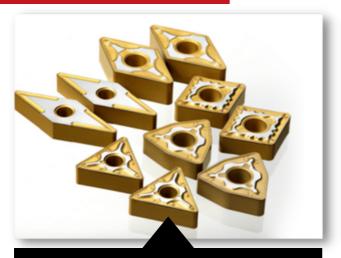
Their product range includes turning and rotating tools;

- The turning tools include turning inserts, CBN & PCD inserts, external turning, small tools, boring bars, grooving, threading, and HSK-T tools.
- The rotating tools include solid end mills, exchangeable head end mills, milling inserts, milling, drilling, and turning tools.

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TURNING TOOLS



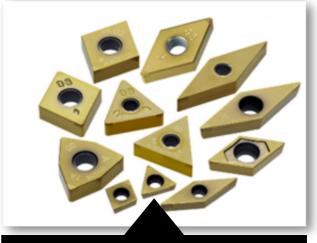
ISO TURNING INSERTS - CHIPBREAKER

We supply a full range of ISO standard turning inserts for all material types, and an extensive range of specialised chipbreakers are all available to ensure correct chip formations are achieved.

ISO EXTERNAL TOOL HOLDERS & BORING BARS

We stock a full range of external tool holders in various configurations to suit every application. For internal machining, we have a complimenting range of ISO and captive pocket solutions for every application including the well-known Dimple boring bar that assists in reducing chatter. The boring bars are available in steel and carbide shanks for stability in deep boring applications.





CBN & PCD INSERTS

Grades for both hard part turning, highspeed machining of cast iron and Aluminum machining are available. Various edge preparations are also available to ensure stable cutting in all applications.

GROOVING & PARTING

Internal and external grooving holders are available in both monoblock and integrated configurations. Options for straight, face, and 45° grooving are available ranging from 1.5 – 8.0 mm wide with various grooving depths. The GW parting system is available both externally and through coolant for both Grooving and Parting. A large variety of inserts with various chipbreakers and grades are available.



TURNING & ROTATING TOOLS





MULTI-TASK MACHINING

A wide variety of multi-tasking machine holders are available on request in both Capto and HSK take-off options.

SMALL TOOLS

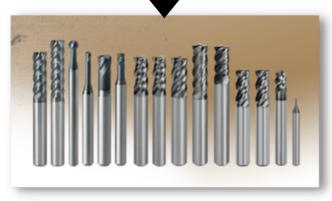
Small tools for Swiss-type machines are available from Micro drills to external tool holders and various inserts configurations

SOLID CARBIDE END MILLS

Mitsubishi has an extensive range of solid carbide cutters including Square, Ball Nose, Bull Nose, Lollypop etc. Various neck lengths and shank types are available to machine all types of materials in both soft and hard states up to 70 Hrc. The range also caters to all industries from Aerospace to general engineering.

INDEXABLE MILLING CUTTER HOLDERS AND INSERTS

We cater for every application from face milling, and shoulder milling to high-feed machining. All of the holders are complimented by an extensive range of inserts that are available in different grades and chipbreakers which cover all applications.







OUR PRODUCT OFFERING FROM

CERATIZIT

The CERATIZIT Group provides a full range of cutting tool products and services from KOMET, WNT, and KLENK, as well as the brand Cutting Solutions by CERATIZIT. Being a leading supplier in the cutting tool industry, CERATIZIT offers all these services to customers worldwide.

The CERATIZIT Group, with over 30 production sites, is present in more than 80 countries and has a workforce of over 8000 employees. With more than 100,000 products and over 20 Innovation awards, the CERATIZIT Group has established itself as one of the most significant suppliers in the cutting tool industry.

Whether turning, drilling, milling, parting, boring, spinning, or clamping: in the largest range of machining products, you will find a wide selection of innovative, state-of-the-art products for every area of application.

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DRILLS, REAMERS & BORING TOOLS

Specialising in high-precision drilling, reaming, countersinking, and boring. With a wide range of drilling tools and in-depth knowledge of bore machining, we always offer you the optimal solution for your requirements.



HSS DRILL BITS

The range of HSS drilling tools leaves nothing to be desired. Here you will find twist drills from 0.15 mm diameter, centering drills, and step and boring tools with different coatings for universal use in all common length-to-diameter ratios.

SOLID CARBIDE DRILLS

High-performance drilling tools made of solid carbide are the first choice when the best performance in the drilling process is required. In addition to a long service life, these tools are characterised by universality, safe chip output, and good self-centering. In addition, Ceratizit offers specialists for all material groups to minimise the machining time.



INDEXABLE INSERT DRILL

Highly economical and effective: Especially when machining large drilling diameters, these indexable insert drills achieve the very best results. High cutting parameters, maximum machining volumes, and universal application possibilities increase your productivity many times over.

REAMERS AND COUNTERSINKS

This comprehensive product range includes suitable reamers and countersinks for almost any material. The portfolio ranges from standard products to high-performance tools for the highest demands on concentricity, which is sure to include the ideal tool for your application.





SPINDLE TOOLS

For the production of bores with high demands on shape and position accuracy, we recommend these boring tools. As experts in efficient drilling, we stock a complete range of boring tools of the highest quality.

MILLING

Let the chips fly! We offer a complete range of milling tools – from HSS milling cutters for standard applications to high-performance tools made of solid carbide, we have everything you need to perfect your milling process.



HSS CUTTERS

The product range includes HSS milling cutters for all common applications. Both uncoated and high-quality coated HSS milling cutters are available, which enable particularly high feed and cutting speeds. For the highest demands and extended service life, milling tools made of HSS manufactured by powder metallurgy are also available.

SOLID CARBIDE MILLING CUTTERS

With these solid carbide milling tools, you will always do a great job! In addition to all common tool types, we also carry numerous special milling cutters and specialists for high-performance machining of steel, stainless steel or aluminum.



INDEXABLE INSERT MILLING TOOLS

With this range of high-quality insert milling tools, you are well prepared for all possible milling operations, such as face milling, corner milling or high-feed milling. Various systems for mould making complete the extensive portfolio.



Do you value cost-effectiveness and are you looking for an alternative to a mono tool? Then our interchangeable head systems are just right for you. Not only are they stable and impress with their very high concentricity, these systems also provide you with maximum flexibility.



TURNING

Innovative, revolutionary, and high-performance – this range of products for turning contains the DNA of many years of experience in the development and production of carbide tools. Draw from the full range and immerse yourself in our infinite cosmos of turning tools.



INDEXABLE INSERT TURNING TOOLS

You can rely on this range of insert turning tools, thanks to the state-of-the-art Dragonskin coating technology, each insert is a specialist in its field. The innovative tool holders also ensure maximum stability and safety for your successful turning process.

ECOCUT - MULTI-TOOL

Drilling into full turning and piercing with one system. These multi-tools are the Swiss Army knives amoung cutting tools. You only need one tool for multiple applications, saving valuable time and money.



PIERCING TOOLS

With these piercing tools you have everything under control. Thanks to the high stability of the tool systems, even difficult grooving work with uncontrolled chip or high temperature development is easy to accomplish.

MINIATURE TURNING TOOLS

Large assortment for small workpieces. These miniature turning tools offer the highest efficiency and maximum performance when machining contours in the millimeter range.



THREADING TOOLS

With this wide range of taps and thread formers, they cover every conceivable area of application. Whether it's taps, circular and thread milling cutters, or thread-turning tools - you are sure to find what you are looking for.



TAPS

Whether for machining steel, stainless, cast iron or non-ferrous metals - with these high-quality taps you will always produce optimal internal threads. We also offer a wide range of thread formers for the production of heavy-duty internal threads using the chip less process.

CIRCULAR AND THREAD CUTTERS

Whether for small batch sizes with large threads or for extra short processing times in series production! This wide range of circular and thread milling cutters – either monolithic or modular circular and thread milling systems – brings momentum to your production.



THREADING TOOLS

As a specialist in thread production, Ceratizit offers a wide range of thread turning tools for use on conventional lathes as well as on CNC machines. No matter what the application, with their threading tools you always have the chip under control.



OUR PRODUCT OFFERING FROM

Moldino is a brand that represents Mitsubishi Materials commitment to providing innovative solutions for mould and die manufacturing. Since its establishment in 1928, Moldino has been dedicated to meeting diverse customer requirements through innovative product developments. They constantly update their cutting tool lineup, including popular tools like the EPOCH series and ALPHA series. However, Moldino goes beyond simply supplying cutting tools. They aim to offer customers comprehensive solutions for milling and provide a selection of the best tools and methods for improved machining efficiency. Through the Moldino brand, Mitsubishi Materials brings strategic focus to its

MOLDINO provide solutions related to the entire mould and die processing, which is the improvement of machining efficiency, the total cost reduction by selecting the optimum tool and energy saving. The product range includes solid carbide cutting tools, indexable milling tools, endmills, CBN, solid carbide drills, and thread mills.

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TURNING & ROTATING TOOLS



HIGH FEED CUTTING

Indexable high-efficiency roughing tools for every application from Ø8.0mm and up with capabilities of milling materials up to 60Hrc.

Specialised designs for the mould and die industry ensuring maximum metal removal rate for all types of machines and applications.

INDEXABLE SEMI-FINISHING

Ball nose cutter for copy milling and semi-finishing operations 2 & 4 flute versions are available accompanied with various grades catering for every application.



INDEXABLE VERTICAL AND FLAT LAND FINISHING TOOLS

Specially designed tooling for high accuracy finishing of vertical walls and flat lane finishing from \emptyset 10.0 to \emptyset 63.0.



GALLEA

Special designed indexable insert finishing tools allow for maximum accuracy and reduced cycle times.



TURNING & ROTATING TOOLS



SOLID CARBIDE CUTTERS

From ball through to square and even specially shaped endmills Moldino has a solid carbide solution for every application from a 40 Um slot drill to a specially designed barrel end mill. The newly designed TH3 coating technology allows for finishing machining up to 72 Hrc.

THREADING

The EDT Thread Mill Series is designed to machine precision threads in a range of materials including hardened steels up to 66HRC. Taps for hard part tapping are also available.



DRILLING

High-accuracy drilling from Ø 1.0 and up is available up to $50 \times D$ drilling depth in certain ranges.

Special form drills for ejector pins are also available and allow for direct drilling of ejector pin holes without reaming.



OUR PRODUCT OFFERING FROM

UNION MATERIALS

Despite its relatively short history as a specialised materials company, Union Materials Corp. has become a leading worldwide advanced material manufacturer since its establishment in June 2000. Union's exceptional quality and technology make it the largest market supplier in the world, particularly in the area of magnetron ceramics.

In recognition of its excellence, the Ministry of Commerce, Industry, and Energy of Korea officially designated Union as a manufacturer of World-Class Products. Their cutting tool products include Union Materials ceramic inserts, cermet inserts, PCBN/PCD inserts, tool holders, milling cutters, endmills and drills, hydraulic expansion chucks, and reamers.

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INSERTS, TOOL HOLDERS & CUTTERS



CERAMIC INSERTS

The Union Materials ceramic inserts are inorganic materials made by diepressing and sintering very fine and pure raw materials, such as oxides, carbides, and nitrides, with high purity and fine microstructure. Union Materials' ceramics undergo the Hot Isostatic Pressing (HIP) process, which ensures complete condensation and results in high wear resistance and fracture strength. These ceramic inserts can increase cutting speed by an average of three times higher than carbide inserts, leading to improved work efficiency. Moreover, their excellent wear resistance provides longer tool life.

PCBN/PCD INSERTS

The Union Materials PCBN/PCD inserts are ultra-hard cutting tool materials used for different applications. PCBN inserts are composed of polycrystalline cubic boron nitride with a metallic or ceramic binder and are suitable for machining hardened ferrous materials. They are available as a tip brazed to a carbide or as a solid CBN insert. On the other hand, PCD inserts consist of a polycrystalline diamond tip brazed to a carbide insert, and are used for non-ferrous materials, wood, and hardened alloyed steel at extremely high speeds. Both PCBN and PCD inserts are extremely hard and wear-resistant, and their suitability for dry or wet machining depends on the cutting condition.



TOOL HOLDERS

Union Materials offers a wide range of tool holders, including standard and special types, as well as customised holders, to customers worldwide. Their optimised tooling systems are designed for effective performance, saving both time and money. These tool holders feature a precise device with a firm clamping system and are made of high-hardness materials for specialised tooling applications.

MILLING CUTTERS

Union Materials ceramic insert milling cutters provide exceptional cutting performance due to their superior edge strength and long tool life. In particular, their face milling cutter series with Silicon Nitride grades is ideal for high-speed cutting of cast iron and ductile cast iron in roughing and semi-finishing processes, resulting in excellent surface finishing. Offering a wide range of standard and custom milling cutters and inserts to meet precision control and high production application requirements.





OUR PRODUCT OFFERING FROM

D'ANDREA

D'ANDREA, an Italian company, is a global leader in producing high-precision accessories for machine tools. The company is renowned worldwide for its exceptional product quality. The D'ANDREA family, now in its third generation, has been dedicated to developing cutting-edge technological solutions since 1951.

At their facilities in Lainate (Milan) and Castel Del Giudice (Isernia), they develop their complete line of tool holders, modular systems, and CNC heads for cutting and boring.

D'ANDREA's products are divided into two distinct categories; TOOL HOLDERS and HEADS.

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TOPRUN ER 25 80



TR-ELETTRA

Digital fine boring units Ø35.5mm-Ø200



FINE BORING SYSTEMS

TRM - 2Um adjustment Ø18.00m -Ø500.00 TRC 10Um adjustment.



TA-TRONIC

Boring and facing heads can be manually or automatically applied on small boring machines, machining centres and special machines. Connection with the machine tool spindle occurs through a cone for the rotation of the rotating head and a flange for fastening the fixed body on to the fixed part of the machine.



BPS HEADS

Twin Roughing

Ø200.00m – Ø2700.00

Finishing - 2Um adjustment Ø200.00m -Ø2700.00



TS TWIN ROUGHING HEADS

Ø18 – Ø200mm



SHRINK FIT SYSTEMS





MONOFORCE HI PRECISION MILLING CHUCKS

With high clamping force

Take offs:

BT 40/50 SK 40/50 ISO 40/50 PSC (CAPTO) 6/8 HSK 63/100



MONO'D

Standard tool holding systems ВТ SK

PSC HSK



MULTITASKING MACHINE TOOL HOLDERS

Multi-tasking machine tool holding systems in HSK and PSC (Capto)



TA CENTRE FACING AND BORING HEADS

Boring and facing heads are made to be used on automatic tool changers, therefore on essentially all machining centres. A U-Drive unit commands the feed control of the tool slide and the tool placement even during rotation. This unit is managed directly by an axle called "U" by the CNC of the machining centre. Organised in this way, the machining centre is the solution to a series of different processes like inner and outer turning operations, grooves, conical and variable boring. concave and convex radius machining, cylindrical and conical threading, complex profiles, and spherical operations.



U-TRONIC

U -Tronic are medium and large sized CNC heads that are connected to the U axis of the CNC in the tooling machine for outer facing, inner facing, back-facing, cylindrical machining and conical boring and threading, concave and convex radius machining through the interpolation with the other axles of the tooling machine. They can be applied manually or automatically and with pallet systems on boring machines, machining centres and special machines. They are constructed in $\boldsymbol{6}$ standard models from ø360 to ø1000 mm. All these include an internal passage for coolant. Special versions of U-TRONIC up to 1600 in diameter, with two slides or with counterweights for self-balancing, may be supplied if required. Fixed tool holders may be applied to the slide, with either manual or automatic tool changers.





AUTOCRIB®

AutoCrib® industrial vending machines slash inventory expenses, increase worker productivity, and automate the procurement process.

AutoCrib® provides industrial vending solutions that are utilised across various industries and scales. Their primary objective is to provide innovative and intelligent vending solutions to efficiently manage inventory. They design and produce a wide range of custom-made smart dispensing machines, making them the company with the most enterprise-level installations and extensive experience in the industry. AutoCrib® focuses on delivering the highest return on investment for their customers and offers best-in-class support to many Fortune 500 companies. With over 20,000 industrial vending machines installed, they drive significant ROIs in a short payback period.

Plant and production managers trust AutoCrib® due to their robustly built machines, made in the United States, and fully customisable to solve a wide range of issues.

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TX750

The system in its most dense (smallest) bin size configuration provides for up to 987 bins in roughly the same footprint as their other equivalent RoboCrib® machines or other competing vending machines. Their patented plastic bin shelf system, mated with the incredibly flexible tambour style door, gives the machine the ability to virtually eliminate vertical bin "height" waste that is common with fixed door machines.

SCALEMATE

This option is a unique approach, combining the popular high-security RoboCrib® system with a counting scale (load cell). This gives the RoboCrib® the ability to dispense multiple items from a single bin in a high-security format.

ScaleMate® for RoboCrib® provides a significant increase in security over drawer-based dispensing systems. In the typical drawer-based system the user is asked to tell the system how many of a specific item they are taking. The result is inaccurate bin counts, which ultimately cause overages or stockouts. With a ScaleMate® the system does not rely on the user to give a count of what was taken. Further, if the user attempts to put a foreign object into the bin in an effort to change the issue quantity, the system checks to make sure the new weight is divisible by the per-piece weight. If not, ScaleMate® will report bin contamination to the system administrator.



AUTO LOCKER FX

The AutoLocker® FX is the first and only locker system on the market designed to be completely modular in every way. This platform lets you build a custom configured locker system for the unique needs of your company. The rack mounted approach allows you to configure exactly what you need and purchase only what you need. No need to purchase excess lockers and use up valuable floor space.

VLM

Every industry with high-volumes of parts, components, or tools understands floor space is premium real estate. The AutoCrib® VLM is designed to optimise your facility's layout by taking advantage of unused overhead space. Items are automatically retrieved and delivered to the ergonomically positioned access window for the user. The result: You get the maximum utilisation of floor space with minimal labour required for retrieval. See a sustainable 20-40% increase in picking productivity and up to an 80% increase in reclaimed floor space. The VLM is easy to implement, practical, affordable, built on proven technology, and will provide years of trouble-free service.





OUR PRODUCT OFFERING FROM

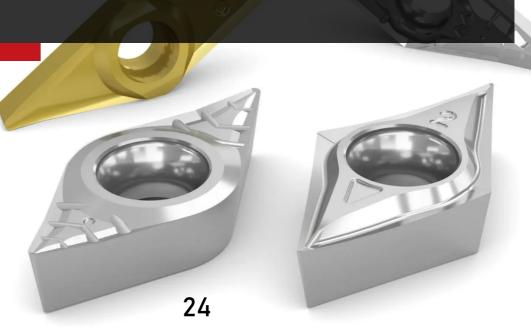
ARNO WERKEUGE

Arno-Werkzeuge is a company that merges traditional German practices with advanced cutting-edge technology globally. They produce exceptional results through continuous research, development, and innovation of their ARNO tools. By testing and exploring new materials, they can introduce new high-performance products every year that can withstand the wear and tear of high-speed and high-feed machining. Their modular systems offer enhanced flexibility for different projects. They value customer feedback and teamwork across all departments to leverage their expertise and fulfill special solutions.

Their popular and cost-effective drilling systems such as SHARK-Drill, SHARK-Drill², and SHARK-Cut, along with the AKB short hole drill and a wide variety of indexable inserts, reflect their experience and competence in the field of precision tooling. In addition, they offer other products for milling, parting, and grooving to complete their range of products. Arno-Werkzeuge is a well-known brand worldwide for its reliability and high-performance tools.

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TURNING SOLUTIONS



TURNING INSERTS

High positive turning inserts for aluminum and exotic material machining.



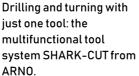
SIM INTERIOR PROCESSING SYSTEM

Optimal for internal machining from a bore diameter of 6.7 mm: the modular ARNO SIM system.

DRILLING SOLUTIONS



SHARK-CUT MULTIFUNCTIONAL TOOL SYSTEM





SHARK-DRILL-UNIVERSAL INSERT DRILLING SYSTEM

Robust and flexible: SHARK-DRILL with spiral and straight fluted carrier tools for a wide range of diameters and drilling depths.



SHARK- DRILL 2 -REPLACEABLE HEAD DRILLING SYSTEM

For maximum drilling performance: SHARK-DRILL 2 for different diameter ranges and drilling depths.

GROOVING SOLUTIONS



SIM INTERIOR PROCESSING SYSTEM

Optimal for internal machining from a bore diameter of 6.7 mm: the modular ARNO SIM system.

SHORT CUT GROOVING SYSTEM

Stability guaranteed: the SHORT-CUT system for external and internal turning.



Control of the Contro

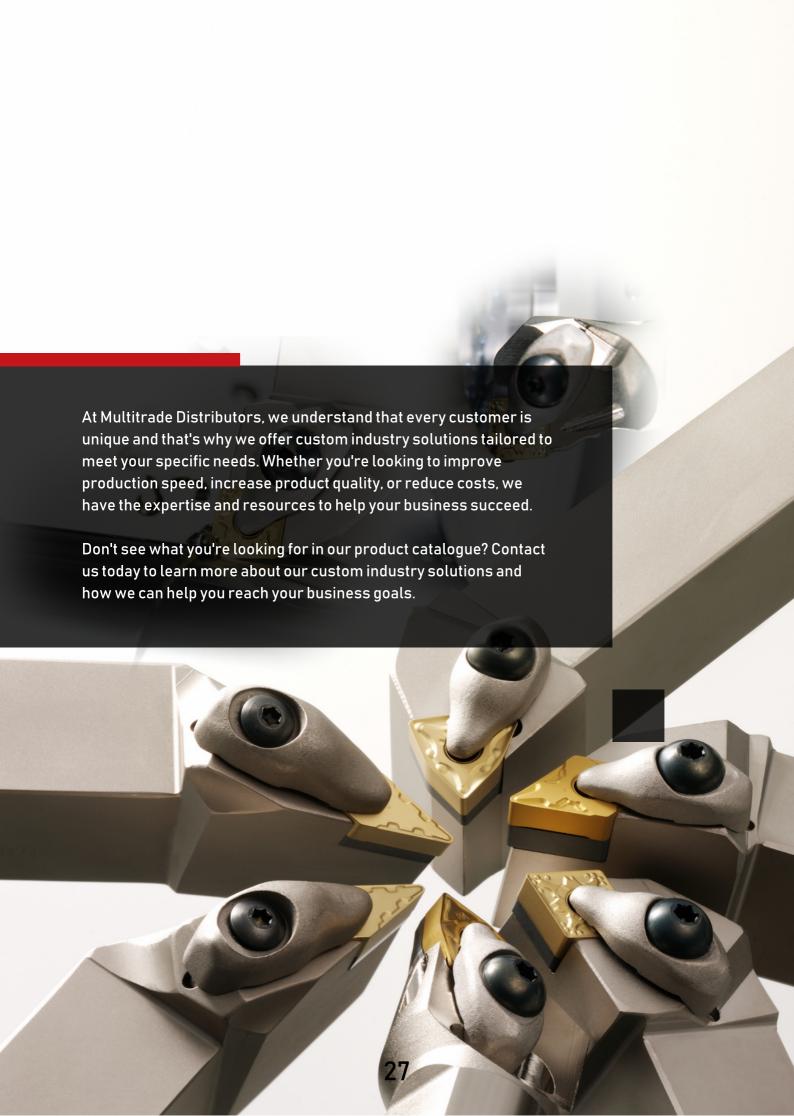
CLIP GROOVE GROOVING SYSTEM

Optimal for short grooves: CLIP-GROOVE for radial or axial machining.

PROFIL CUT - FORM GROOVING SYSTEM

Perfect for mass production: PROFIL-CUT - the form cutting system for self-profiling of the insert.





OUR Contact

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