



MULTITRADE

— DISTRIBUTORS —

BRAND PROFILE



— TOOLING SOLUTIONS SINCE 1983 —

WWW.MULTITRADEDISTRIBUTORS.CO.ZA



TABLE OF
CONTENTS

Welcome.....1

About Us.....2

Our Brands.....3

Our Services.....4

What We Offer.....5

Product Categories.....6

Explore a World of Brand Selections

- Mitsubishi Materials.....7
- Moldino.....11
- Union Materials14
- D’Andrea.....16

Get in Touch With Us.....20



WELCOME TO MULTITRADE'S **BRAND PROFILE**

Welcome to Multitrade Distributors, your trusted provider of cutting-edge tooling solutions. Our mission is to create superior cutting tool solutions through our commitment to fostering a culture of excellence, collaboration, and continuous improvement. We strive to be a trusted partner and empower stakeholders to continually achieve success. 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 this 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 total tooling solutions 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 global brands. The head office is located in Johannesburg, we also have branches in Cape Town, Gqeberha and Durban. The company also serves other areas through a network of smaller resellers.

We are proud of the quality brands we represent, and our team possesses a high level of expertise, including the support of our technical applications department. This department provides guidance on tooling requirements and full CNC programming across many disciplines, including turnkey projects.

Scan to visit our website



OUR BRANDS

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

 MITSUBISHI MATERIALS



D'ANDREA®
THE ART OF PRECISION



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.



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.



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.



Programming Assistance

We run various CAD/CAM software 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.



Turnkey Solutions

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



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



World-Class Cutting Tools

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



Customer Service

The level of expertise of our team is our biggest asset. We aim to take care of our customers' needs by providing professional value adding services. We strive to provide assistance before, during and after customers' tooling requirements are met.



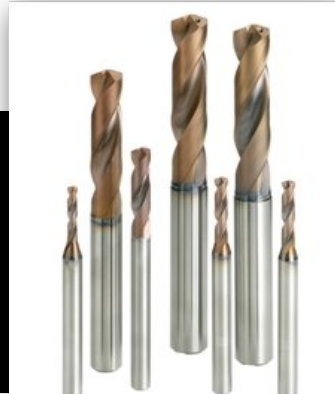
Extensive local stockholding

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

PRODUCT CATEGORIES



MILLING



**DRILLING
(HSSE, SOLID
CARBIDE &
INDEXABLE)**



**GROOVING &
PARTING**



**TURNING &
THREADING**



TOOL HOLDING



**SOLID ENDMILLS
(HSSE & CARBIDE)**



BORING BARS



**MACHINING
CENTRE HOLDERS &
FINE BORING**

OUR PRODUCT OFFERING EXPERTLY CRAFTED BY

MITSUBISHI MATERIALS

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.

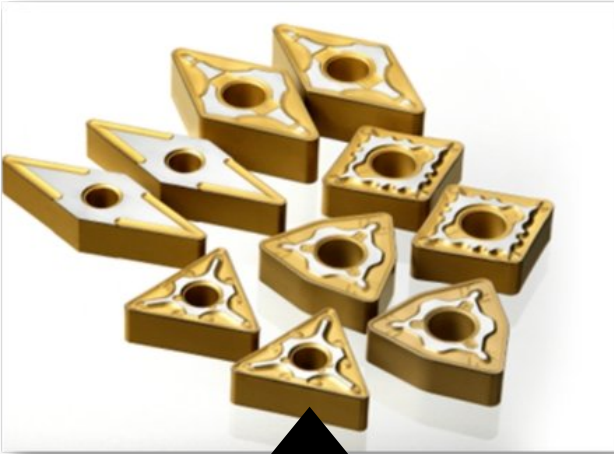
Their product range includes turning and rotating tools;

- 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, indexible milling and drilling.

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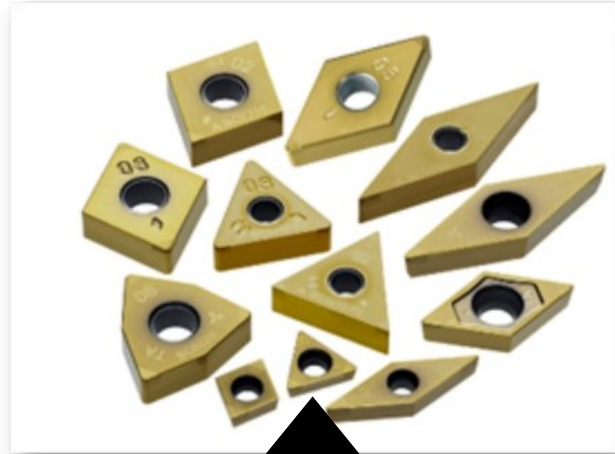


TURNING



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.



CBN & PCD INSERTS

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

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 complimentary 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.

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 Materials 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.



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.

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, Mitsubishi Materials 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 MOULD & DIE PRODUCT OFFERING FROM **MOLDINO**

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 commitment to innovation in mould and die manufacturing.

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 $\text{Ø}8.0\text{mm}$ 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 land finishing from $\text{Ø}10.0$ to $\text{Ø}63.0$.



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 $\text{Ø} 1.0$ 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.

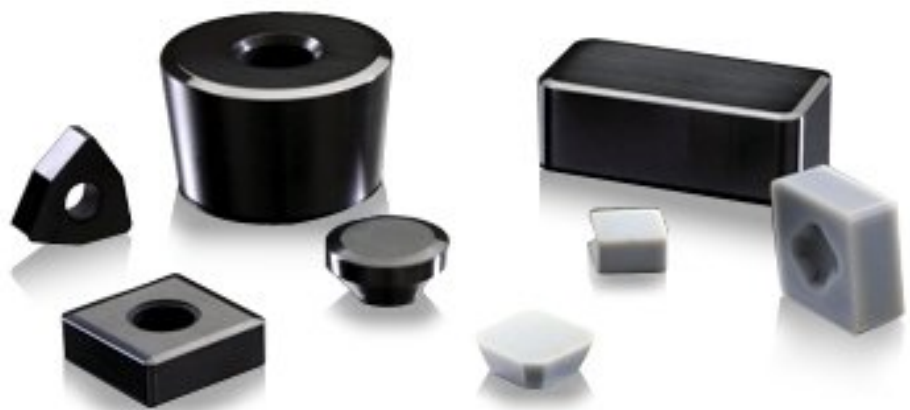
OUR PRODUCT OFFERING FROM

UNION MATERIALS

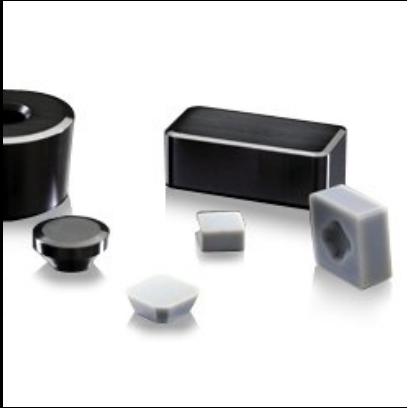
Despite its relatively short history as a specialised materials company, Union Materials Corp. has become a leading worldwide advanced material manufacturer since its establishment in June 2000. Union's exceptional quality and technology make it the largest market supplier in the world, particularly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





D'ANDREA®
THE ART OF PRECISION

OUR PRODUCT OFFERING FROM **D'ANDREA**

D'ANDREA is an Italian 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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TOOL HOLDERS & HEADS

TR-ELETTRA



Digital fine boring units
Ø35.5mm-Ø200

TR-Elettra is a finishing head where the radial movement of the toolbearing slide is visualised on a digital display, guaranteeing the operator maximum set up speed and absolute precision of adjustment.

TA-TRONIC



NC Heads for milling machines.

TA-TRONIC Heads designed to be manually attached on small boring machines, machining centers and special machines. The built-in motor is connected to the NC and manages the movement of the tool-holder slide.

FINE BORING SYSTEMS



TRM – Micrometric heads for high precision machining with IT6 tolerance grade. the adjustment is easily readable on the vernier scale and can also be performed on the machine.

2Um adjustment
Ø18.00m – Ø500.00
TRC 10Um adjustment.

BPS HEADS



Aluminum bars for large diameter machining. usable for both roughing and finishing, they cover a working range from 200 to 1200mm.

TS Twin roughing heads



Simple and extremely rigid roughing heads thanks to the serrated surfaces between the head body and the bit holders.

The constant distance between the bit holder clamping screw and the cutting edge guarantees the stability of the system.
Ø18 – Ø200mm

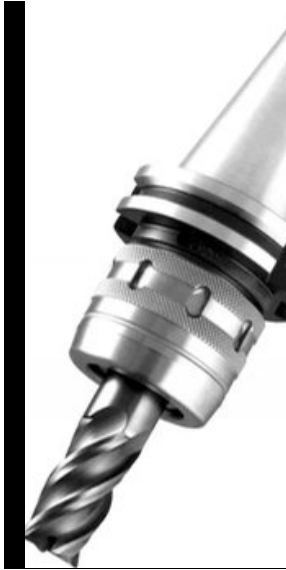
DRACO Shrink Fit systems and holders



DRACO is the newest product that has joined the D'Andrea product range.

This machine has entirely been designed and produced in the Lainate (Milan) plant. DRACO is the new machine for shrinking tools, it guarantees high precision, a clamping force, and excellent concentricity without any residual magnetization.

Monoforce
High precision ultra-tight toolholder



MONOforce is a high-tightening precision tool carrier for precision requirements and tool clamping needs at high torsional loads, suitable for rough milling and precision finishing operations. Produced in accordance with the most widespread standards of machine spindles, by using RC reduction bushes, it allows a range of use from Ø 3mm to Ø 25mm, RC sealed bushes are also available. All MONOforce toolholders are balanced to class of tolerance G 6.3 at 15,000 rpm.

Take offs:
 BT 40/50, SK 40/50, ISO 40/50, PSC (CAPTO) 6/8 & HSK 63 /100

MONO'd
Monobloc Toolholders



Monolithic toolholders are the idea solution to equip any type of machine tool with HSK 63 and 100, DIN 69871 and MAS BT 40 and 50 spindle, guaranteeing the advantage of high quality and precision, at a competitive market price. The MONO'd program includes ER collect chucks, Weldon, shell-mill holders and morse taper. All the toolholders are balanced by design, G 6.3 at 8,000 rpm. MONO'd'ER G 6.3 at 15,000 rpm.

BT, SK, PSC & HSK

MULTITASKING MACHINE TOOL HOLDERS



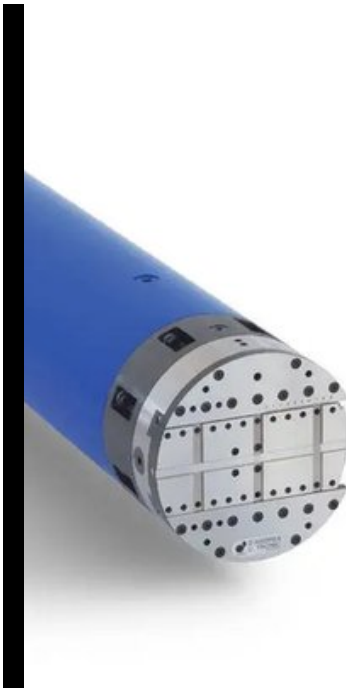
Multi-tasking machine tool holding systems in HSK and PSC (Capto)

TA-CENTER
NC Heads for machining centers



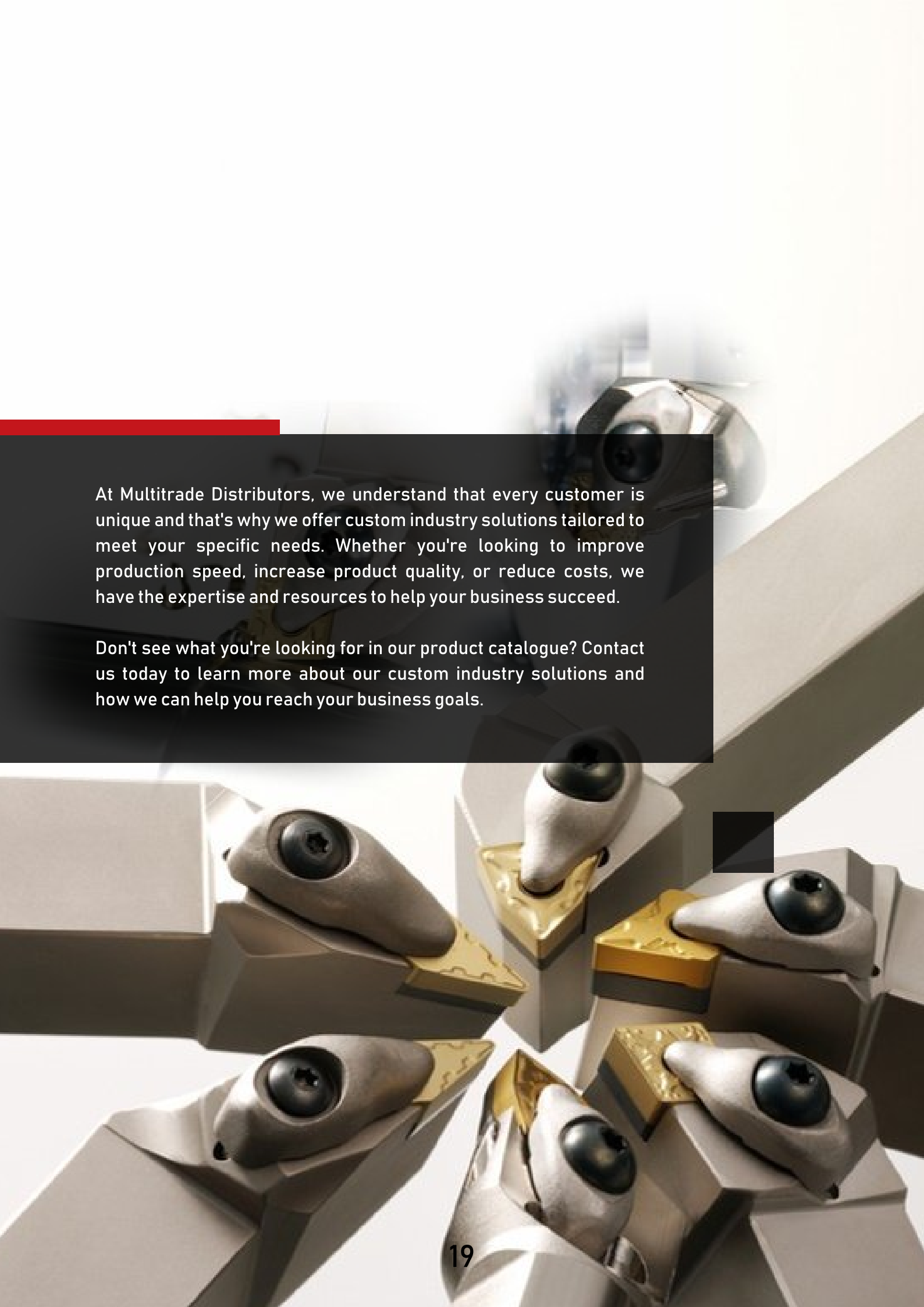
Boring and facing heads are made to be used on automatic tool changers, therefore on essentially all machining centres. A U-Drive unit commands the feed control of the tool slide and the tool placement even during rotation. This unit is managed directly by an axle called "U" by the CNC of the machining 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
Medium & large heads for boring



U-TRONIC medium and large CN heads, that can be applied on boring machines, machining centers and special machines. The movement of the slide is managed by a built-in servomotor directly connected to the CN and the application provides an intermediate flange that can be manual, automatic, extended and angular.

In addition to the standard range, the version with integrated reducer is available and, on request, special versions with hole, up to Ø 1600 mm, with two slides, with counterweights for self-balancing and Synchro.



At Multitrade Distributors, we understand that every customer is unique and that's why we offer custom industry solutions tailored to meet your specific needs. Whether you're looking to improve production speed, increase product quality, or reduce costs, we have the expertise and resources to help your business succeed.

Don't see what you're looking for in our product catalogue? Contact us today to learn more about our custom industry solutions and how we can help you reach your business goals.

OUR Contact

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We are **SOCIAL**...

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20

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