

Hard Material Solutions

Wear parts for maximum efficiency and extended lifetime



CERATIZIT is a high-technology engineering group specialised in cutting tools and hard material solutions.

Tooling the Future

ceratizit.com

Here for you

Welcome to the world of CERATIZIT. A world, where the highest of grade resources are shaped and forged into the hardest, most durable carbide and silicon nitride products imaginable. Through constant innovation, introspection and ingenuity we blaze the path to unrivalled quality, only matched by our passion for 360° service and loyal, long-lasting partnerships.



Hard cases are our speciality

We are your ideal partner when it comes to high-quality hard materials for production processes, tool manufacturing and wear protection. From standard products to tailor-made solutions, from massive components to minute parts, from the blank to the fully finished product – a product that meets the highest standards of precision, surface treatment, and user-friendly assembly – our carbide and ceramic solutions ensure improved efficiency and outstanding total cost of ownership.

This is the case in a variety of application fields and industrial sectors. Even when subjected to extreme stress, our cemented carbides are notable for the high flexibility they offer in numerous industries. Our products are specially designed for extreme working conditions, making our Hard Material Solutions impressive tools for optimising your processes and increasing wear resistance.

The authority on carbide solutions


We are proud of our partnership with leading companies in various different industries, where we contribute to their success. Thanks to our 100 years of experience and accumulated state-of-the-art knowledge, we are always the first to introduce new solutions that prepare you for future challenges and help you outperform your market.

A truly global player

 **Headquarters**
Mamer, **Luxembourg**

 **30** more than
production sites


 **8 000** more than
employees

 **80** more than
countries in which we are active

 **1 00 000** more than
products

 **1 000** more than
patents & utility models

 **2 00** more than
R&D employees

 **35** % of products
developed in the last 5 years

 **20** more than
innovation awards



Masters of the entire process chain

From the ore to the finished product – and everything in between: thanks to a fully integrated supply chain, we manage the entire production process of cemented carbide and cemented carbide components, from powder preparation to forming, sintering, finishing and surface treatment.

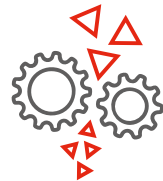
Starting from the ore itself to the blank to ready-to-use solutions for wear protection, all our output along the production line is guaranteed to be controlled with high precision. This is why our cemented carbide and ceramic solutions provide you with a combination of high performance coupled with safety and reliability. Put simply, choosing Hard Material Solutions leads to increased productivity and lower costs – an altogether improved efficiency.

Extensive manufacturing capabilities

From our production sites we provide wide-ranging production services that encompass virtually all conceivable grades, shapes and finishes. On top of that, we always welcome special requests.

Take a closer look at what we offer:

- ▲ Assembly know-how and capabilities (brazing, resistance welding, laser welding, shrink fit, mechanical, etc.)
- ▲ From single piece to mass production (with hundreds of million pieces)
- ▲ From basic geometries/designs to highly complex ones
- ▲ From tiny components (0.03 g) to massive ones (1.3 tons)
- ▲ Global manufacturing footprint ensures sustainable supply chain



Mineral extraction

- ▲ Worldwide extraction of scheelite and wolframite ore with selected business partners to ensure responsible raw material sourcing

Preparation and mixing of the raw materials

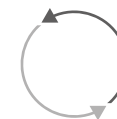
- ▲ Powder and grades manufacturing, management and control

Forming / pressing

- ▲ All existing shaping technologies available (extrusion, injection, direct pressing, isostatic pressing, rotary pressing, hand-shaping)

Sintering

- ▲ Several decades of experience in calculating the exact sinter shrinkage, ensuring high quality of the final product



Surface treatment

- ▲ Different finishes available including tumbling Co/Ni plating, pre-tinning, CVD, PVD, grinding, lapping, EDM

Quality assurance

- ▲ All products are subject to strict quality control by experienced professionals

Dispatch

- ▲ Automated high-tech shuttle warehouse

Recycling (optional)

- ▲ We organise the entire process for you and also provide free, quantity-specific collection containers and transport solutions.

Cemented carbide for high wear demands

Cemented carbide, also called hardmetal, is a composite consisting of a hard material and a very tough binder metal. Generally, tungsten carbide (WC) is used as a hard carbide phase and cobalt (Co) as metal binder (binder phase). The two substances are mixed in the form of powder. The amount of cobalt used and the grain size of the tungsten carbide both have an impact on the performance characteristics of the composite material, such as hardness, bending strength and fracture toughness. All in all, cemented carbide is proven to be extremely tough and reliable, characterised by high wear resistance and high hardness even at elevated temperatures. Adding nickel or iron as cement for carbides improves special material properties further. These grade types are for example extremely effective in applications requiring high corrosion resistance.



Advantages of cemented carbide:

- ▲ Does not wear so quickly as it is harder compared to steel
- ▲ Resists even high temperatures
- ▲ Application fields: wherever tools or components are exposed to high wear (e.g. when cutting hard materials)
- ▲ Improved quality of the tools and parts
- ▲ Longer tool life
- ▲ Improved safety

HARD MATERIAL SOLUTIONS

produces over 100 carbide grades, all with their own unique material composition. We have the ideal solution for every application and industry.



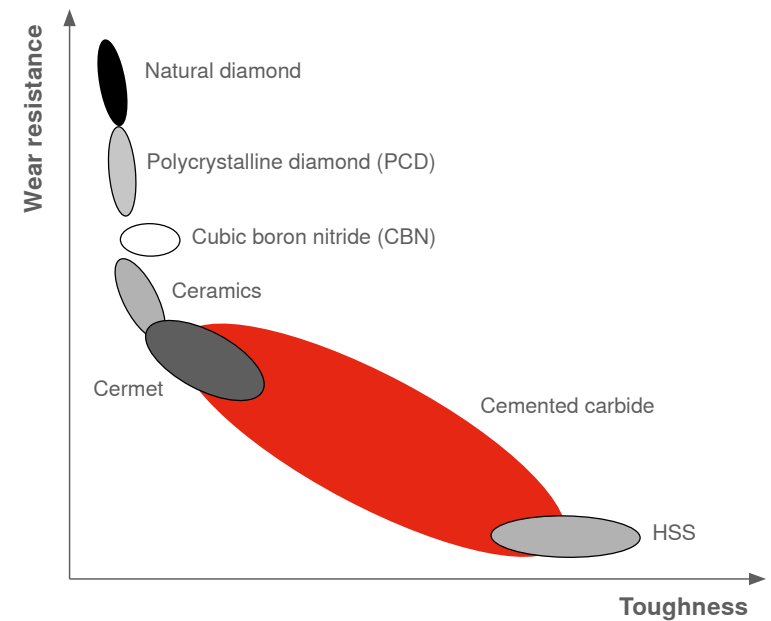
Silicon nitride – first choice for many applications

Whether the product in question is blanks or ground parts, the high-tech special ceramic silicon nitride (Si_3N_4) impresses with its maximum tool life, a standard feature of all products from Hard Material Solutions by CERATIZIT. In addition to high hardness which guarantees wear resistance, the material is incredibly light and characterised by mechanical stability. Furthermore, silicon nitride products can be used without problems where temperatures vary extremely. And with ceramics corrosion is not an issue either.

The benefits of silicon nitride:

- ▲ Silicon nitride is corrosion-resistant – even with aggressive media.
- ▲ The mechanical properties are optimal up to $1,200^\circ\text{C}$ ($2,192^\circ\text{F}$).
- ▲ This type of ceramic is extremely hard – even at maximum temperatures.
- ▲ In the long run it excels with optimal damage tolerance.
- ▲ Good friction properties are guaranteed.
- ▲ High specific resistance overcomes any special challenge.
- ▲ It has a unique resistance to thermal shock.
- ▲ Thermal expansion is very low.
- ▲ Si_3N_4 has a very low specific weight.
- ▲ Low density makes many things possible.

Cemented carbide covers the widest application range.



Premium wear parts

Protections and solutions

Our wear parts go all the way

From delicate small parts to heavy pieces, the complex world of cemented carbide offers innumerable application possibilities. Whether it relates to hot rolls for the steel industry, tools for metal forming, abrasion-resistant components for the food industry or a variety of components for medical systems – as a leading cemented carbide manufacturer we have a role to play wherever specific hard material solutions can replace wear parts.

Experience unprecedented profitability

Our wear parts are characterised by the utmost durability and reliability. Hence using them translates immediately into smoother, more reliable operations, improving efficiency and reducing downtime. To further optimise the functionality of our products, we offer fully customised developments in line with the customer's exact needs. This way we guarantee the best solutions possible – of course in the context of a close and confidential partnership.

Safety

Hardness

Precision

Reliability

Profitability

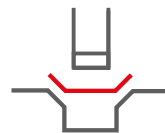
Perfecting our products and portfolio

The power of innovation and the purposefulness of a broad portfolio: at CERATIZIT we merge these two worlds into one, backed up by a highly advanced and comprehensive array of products. And further perfect it to a degree that is unparalleled on the market, thus creating competitive advantages through the setting of new technological standards and development of innovative materials and coatings as well as unique carbide products. We invest continuously in fundamental research, process technology, product development and application technology. As a technological frontrunner in the carbide industry we have over 600 patents worldwide and employ more than 100 experts in R&D. We also cooperate with universities and leading research institutes across Europe.

We offer carbide and ceramic solutions for various applications and industries, such as:



Engineering
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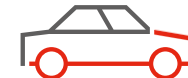
Metal forming
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Construction
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Food and beverage
including packaging
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Automotive
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Health industry
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All about the customer

Furthermore, when generating your ideal customised solution we can draw on an extensive understanding of performance requirements and other market-related parameters such as pricing. Generally we rely on an open exchange in close collaboration with the customer, so as to put our full expertise and problem-solving skills at your disposal – whether for mass-produced items or for selected premium products. To enhance the planning process, we also offer an online configurator as an independent, rapid and digital tool for the creation of individual solutions.

Individual solutions for your application

Benefit from a large product portfolio constantly adapted to your needs. From the ball-point for ball-point pens to high-pressure tools weighing over 700 kg for the production of synthetic diamonds, for any application you can imagine we can find an individual carbide or ceramic solution which will efficiently replace your previous wear parts. Receive your tailor-made tools with maximum precision, as we grind in the micron range ourselves, maximum precision guaranteed!

Competent partner for perfectly suited solutions

Whatever the application or sector, you will always get a perfectly suited hard material solution from us as an efficient replacement for your wear parts. Whether an individual development, tailor-made or standard products for your tool and die construction department or specifically developed carbide grades for metal forming, our metallurgical knowledge guarantees you more stable processes whilst increasing your productivity. You can count on us to develop and bring solutions for the challenges of tomorrow for you.

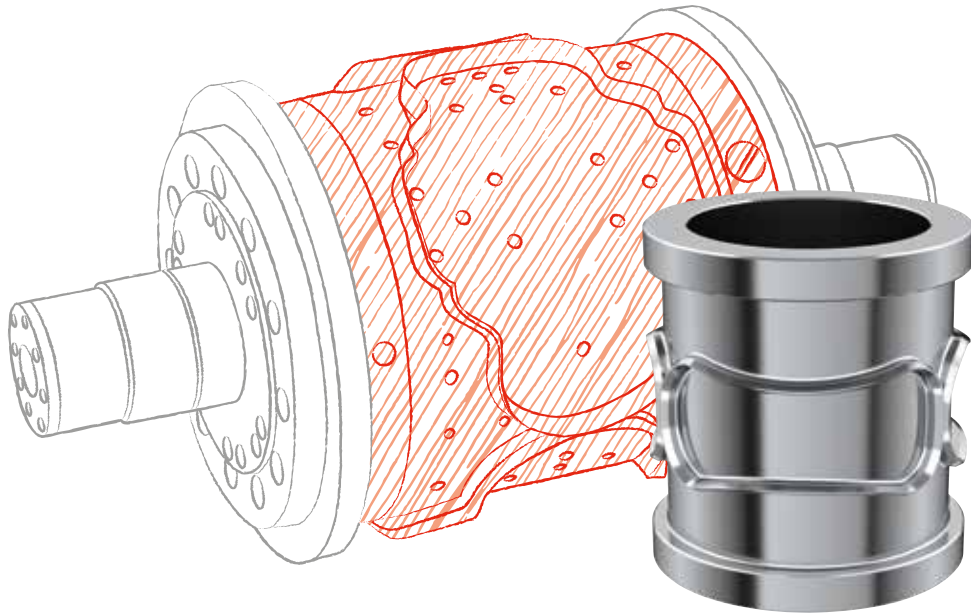


Where the standard is already special

Alongside our enormous capacity for the sophisticated development and manufacturing of custom solutions, of course we also offer a broad portfolio of standard products. The standard range is always in stock, ready to be shipped at short notice from one of our many production sites and warehouses – especially when it comes to products for wood working, the tool & die industry, ISO nibs for wire drawing or water-jet nozzles.

Our E-Techstore is the perfect, resource-efficient way to order products from our standard range. Or if you need a closer, more detailed consultation, our employees are happy to discuss ways of meeting your specific needs and preferences.

Engineering

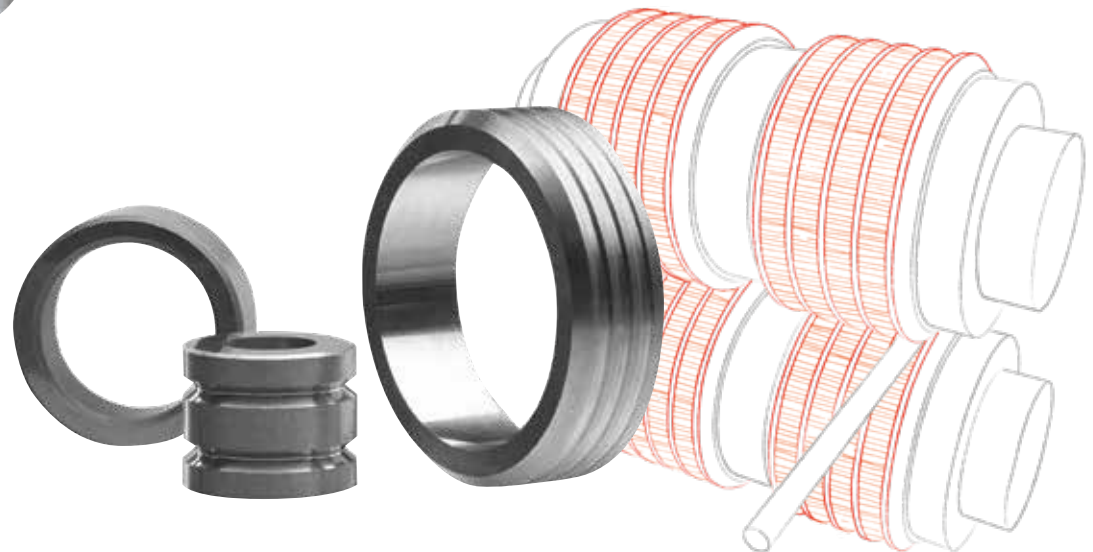


Hygienic rotary cutters for the sanitary industry

Special skills for special products: our tungsten carbide rotary cutter blanks come in all possible sizes and designs – among them the biggest models on the market with diameters up to 610 mm and heights up to 500 mm (24" OD x 19.69" H). Highly qualified employees, numerous manufacturing possibilities, state-of-the-art production facilities and an extensive customisation of highly complex geometries are our guarantee of top-quality products: this is also reflected in the longevity of our rotary cutter blanks, for which more than 100 million cutting operations are not unusual.

Hot rolls

Always go one step further – in terms of both quality and service. This is also our ambition in the field of hot rolls. With decades of experience in the production of hot rolls, we offer an extensive sales network with an emphasis on close personal consultation. Our high-quality carbide grades are characterised by excellent wear resistance, toughness and surface quality. This is why they are ideal for long-term utilisation with high rolling forces and temperatures. According to the application, we provide various carbide grades and sintered rolls in different sizes as well as semi-finished and ready-to-use rolls suitable for all fields of application. The rolls are available with or without grooves.





Water-jet cutting

As a world leader in wear protection, CERATIZIT offers particularly wear-resistant carbide grades that protect water-jet nozzles from erosion by abrasive materials in the water-jet. Our product portfolio includes focusing tubes, catcher cups, mixing chambers and plungers.

Benefit from economic efficiency: in order to provide you a suitable solution with the best price-performance ratio we have developed 3 innovative product lines. Our focusing tubes can be used in all modern cutting head systems and support automatic centring during mounting. As always, you can count on our top-class product quality with precision and performance at the highest level. Precise working results are guaranteed by tight hole tolerances, perfect surface finish and concentricity.

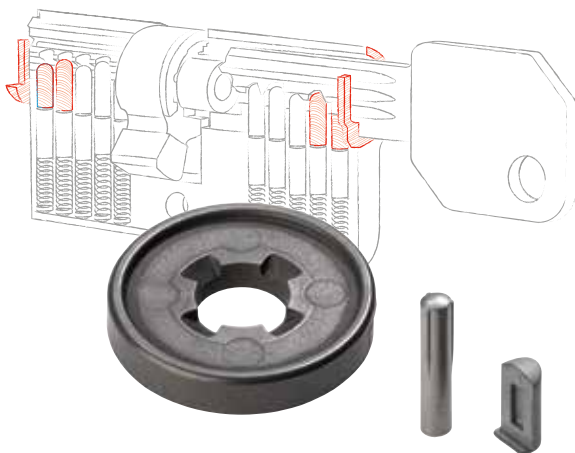
Oil and gas industry

Our extensive manufacturing capabilities allow us to serve the oil and gas industry with products of a wide range of complexity, ranging from small quantities to high volumes. Drilling and the production of complex parts are examples of applications where our products are successfully used today. We help our customers increase their competitiveness thanks to the superior quality of our products and superior performance of our carbide grades. Large volume stabiliser inserts, mud nozzles and compacts for drill bits, substrates for PCD cutters, precision components for MWD, LWD and directional drilling tools, up to 700 mm OD x 800 mm H (27.5" OD x 31.5" H) cages for flow control choke valves, engineered tailor-made solutions for hydraulic fracturing. These are just some examples from our extensive portfolio. CERATIZIT is your ideal partner for the development of tailor-made solutions – just contact us!



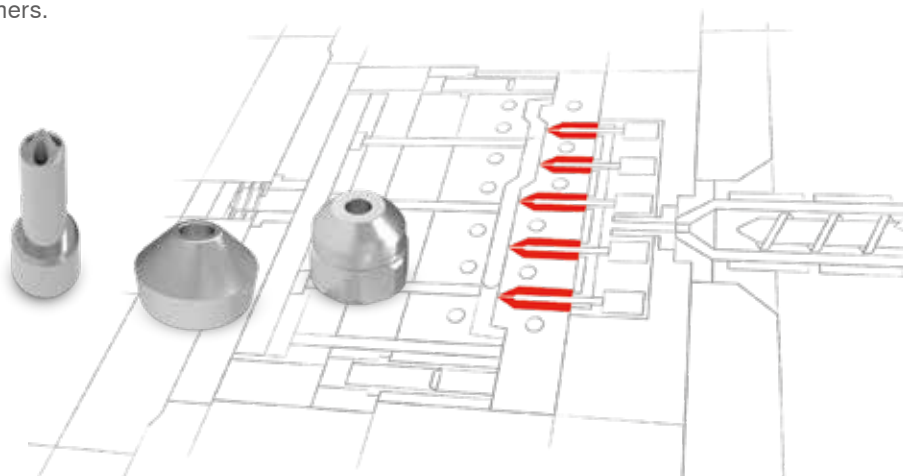
Locks and security

Carbide components are essential for modern locking systems meeting the highest security standards. Their high hardness is proof against drilling, sawing, cutting or any other lock picking tool. Lock producers benefit from our manifold shaping technologies, offering the best solution for a top-quality security system. We also realise the most complex of shapes by using modern metal injection moulding with very tight tolerances.



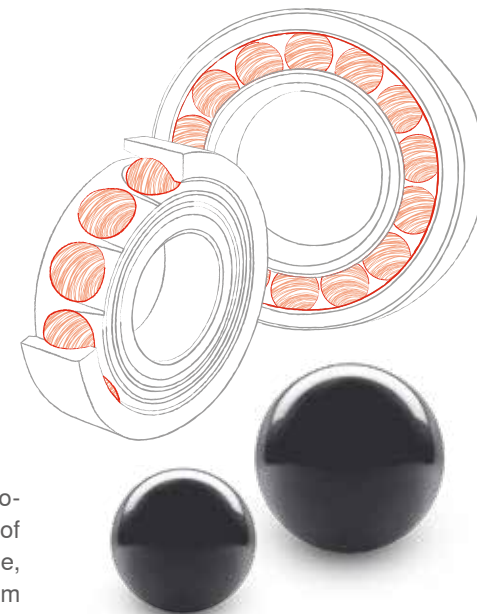
Components for the plastics industry

We offer high-precision products made to customer specifications and ready for immediate use - with a suitable grade portfolio in terms of thermal conductivity and wear resistance and a Group-wide link to Plansee's TZM products. Furthermore, we provide product implementations through composite solutions, and premium products for all applications, ranging from nozzle tips, nozzles and shut-off needles for the production of hot runner systems to cutting rotor blades and dies for pelletising and many other solutions for different process steps in the plastic industry. All with a well-established standing in the OEM business for 'best-in-class' customers.



Precision balls / bearings

Bearings are used in many different industries, e.g. aerospace, automotive or mechanical engineering. We offer rolling bearings made of silicon nitride as blanks or ground. Whether you are looking for glide, hybrid or spindle bearings - with our solutions, you will benefit from a higher revolution number and less need for expensive lubricants. We meet the exacting quality standards of the aerospace sector. Our certification is confirmation that we adhere to the strict technical specifications that manufacturers demand of their suppliers.



Components for the defence industry

Meeting the highest standards of safety and performance, with zero failure tolerance, our products result from precise and high-quality processes that combine operational excellence, ultra-lean production and maximal competitiveness. We offer a ready-to-press portfolio of suitable grades (including cobalt-free grades for 'green' ammunition) to ensure the rapid supply of samples and prototypes. At the same time our service comes with extensive experience of export licence documentation and relations with government authorities. Our Group-wide association with Plansee and affiliated plants forms the basis for our supplementation of the customer's portfolio. While acting with global agility based on SAM, we are still able to provide local supply for domestic markets.

Metal forming

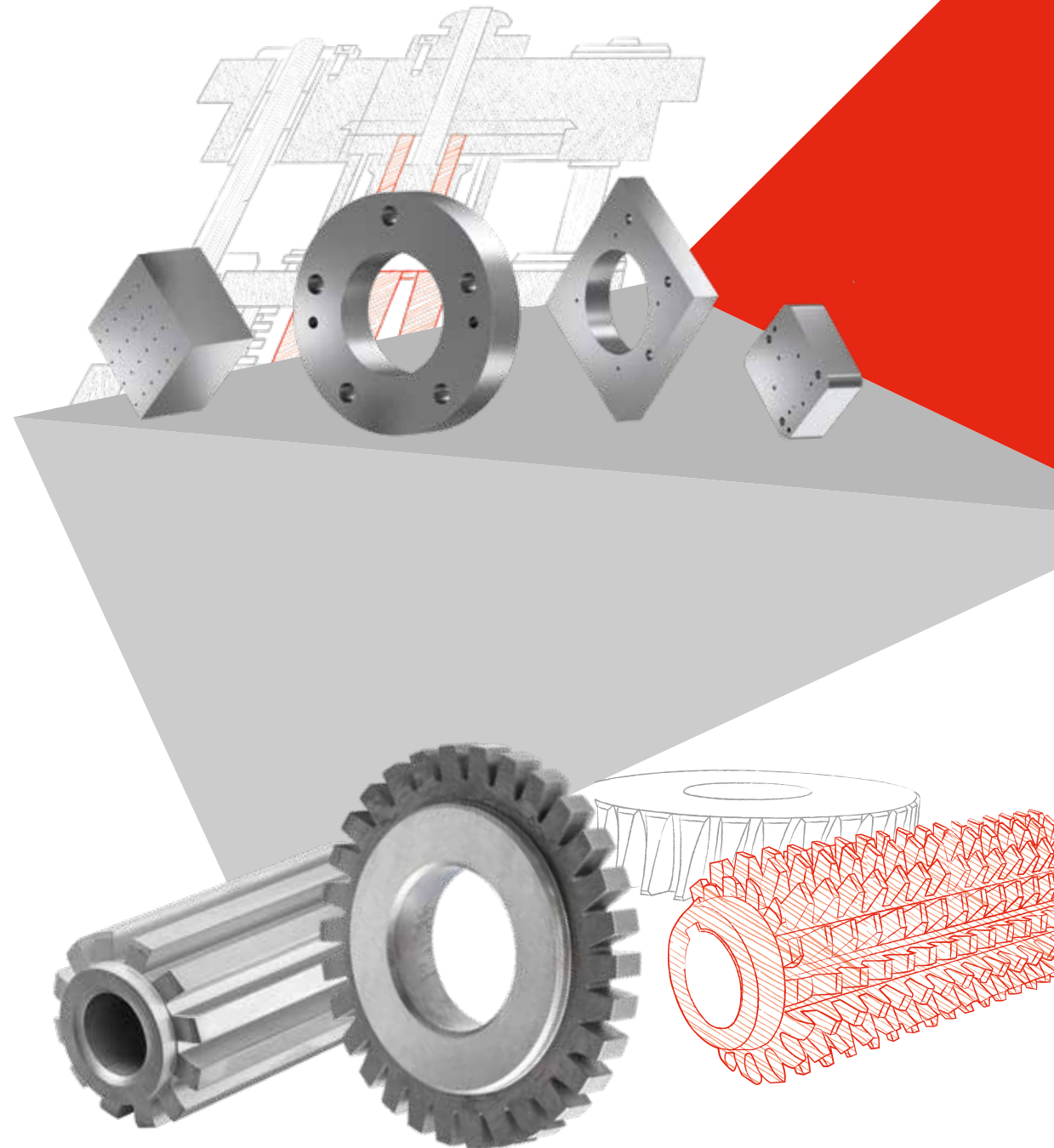
Stamping and lamination tools

With excellent material performance thanks to corrosion-free (CF+) grades and near net shape technology, our blanks and semi-finished tools deliver maximum added value. Our wide range of programmes, including premium products, covers the entire spectrum of customer requirements. With a vast range of products in stock (including even dimensions for EDM blocks and rods that are most in demand), we guarantee quick processing and shipment. You can also benefit from our innovative customer services such as seminars (held either at the customer's or our premises or online) as well as an extensive e-shop with online configuration options. Our technical support service comprises material analysis, grade recommendations, trouble-shooting and scientific research. To top it all off, we have been implementing future-focused products for e-mobility and fine blanking applications, already setting the points for new and exciting product developments.

Blanks for gear cutting tools

Our blanks for hob milling cutters, skiving tools and bevel knives have a worldwide reputation with their innovative grades that are easy to grind and de-coat, while simultaneously displaying an extraordinary tool life expectancy through minimal edge chipping. Also our state-of-the-art manufacturing facilities enable us to produce complex geometries in near net shape.

What is more, you can benefit from short order processing times and a full-on modern online configurator providing you with a completely automated ordering and production process.





Blanks and semi-finished products

Customised carbide blanks and semi-finished products exactly according to your requirements are our speciality! We even manufacture complex components along with small, long, thin and delicate parts with high precision following customer drawings. We also produce small batch sizes without additional set-up costs for you. Try our CERAFlash service for extra-short reaction and delivery times: we only need 6 working days from receipt of order to dispatch if your desired product is based on one of our standard geometries. Fast and flexible delivery saves you storage costs and promotes your competitiveness.



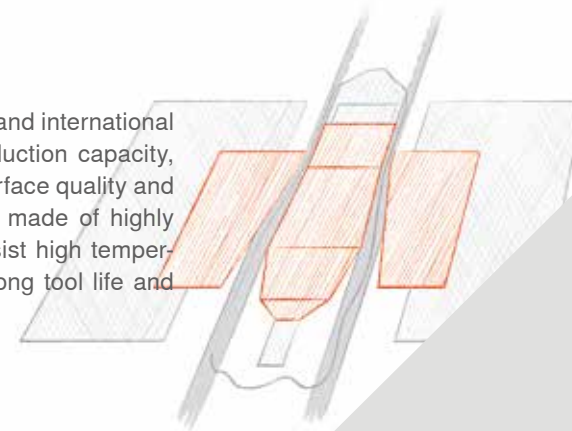
Drawing tools and drawing nibs

Experience you can trust: in 60 years we have grown to be the largest producer of drawing tools in Europe. During this long history of successful tool making we have developed a high degree of expertise internally. This we rely on for every new project, from the initial steps through to production. Thus in dependence on the customer's needs we carry out the complete design (based on a customer drawing or recommendation from our standard portfolio) so as to come up with the ideal customised solution.

Products in this part of our portfolio are sintered nibs for wire drawing dies, finished drawing dies for bars and tubes and finished drawing mandrels for tubes. Our portfolio also includes innovative coated tools such as MasterDie (exchangeable core) and Serie Oro (adjustable carbide core).

Stamping dies

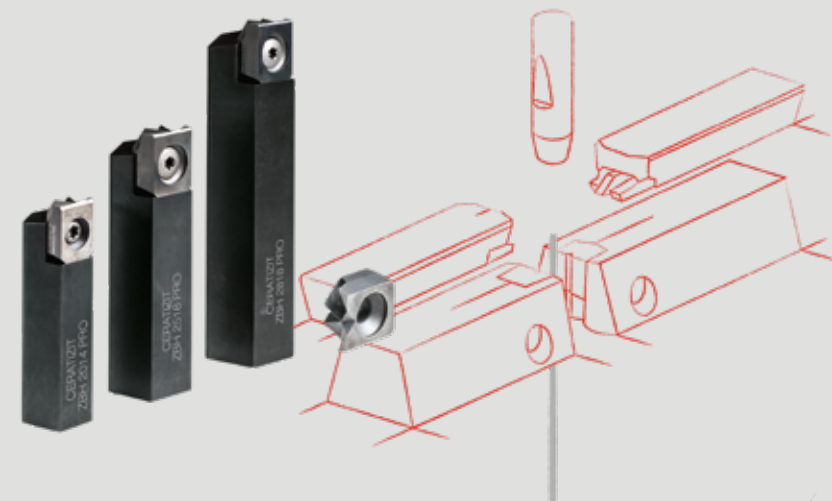
We offer a special and dedicated service to large and international companies. Based on our consistently high production capacity, our strength is the production of tools with high surface quality and accurate geometry. Our metal forming tools are made of highly wear-resistant and tough carbide grades that resist high temperatures, withstand high pressure and guarantee long tool life and high repeatability.



Nail making tools

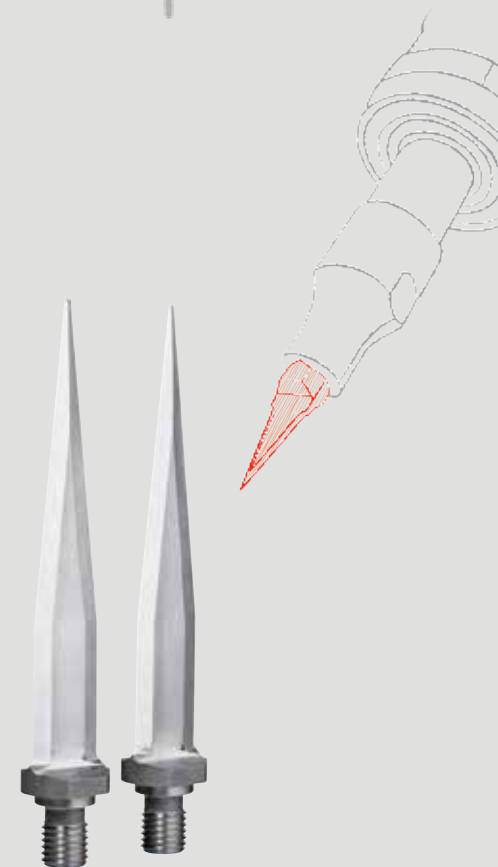
We are proud to call ourselves pioneers in the use of carbide tools in the nail making industry. Working in close partnership with the principal European producers of machines for nail making we are the biggest manufacturer of carbide nail tools in Europe, supplying both OEMs and the end-customer.

Our highly engineered tools are suitable not only for the production of nails, but can also be used to make screws and blind rivets. Backed up by a versatile and speedy order service, all-round tools and solutions from our massive portfolio have been meeting all conceivable market requirements for decades. This includes tools for the entire nail production process: knives, grippers, header punches and feeders for nail making machines, as well as planetary dies for thread rolling machines.



Ultrasonic cutting knives

Engineers at CERATIZIT have recently developed an innovative solution for ultrasonic cutting applications: monolithic carbide knives. These innovative tools have been developed to overcome the well-known weaknesses of standard brazed solutions. Monolithic carbide is the ideal material when it comes to the production of long knives for cutting tough materials such as composites. CERATIZIT is developing this new application field in partnership with some of the main OEMs and suppliers of ultrasonic cutting technologies.

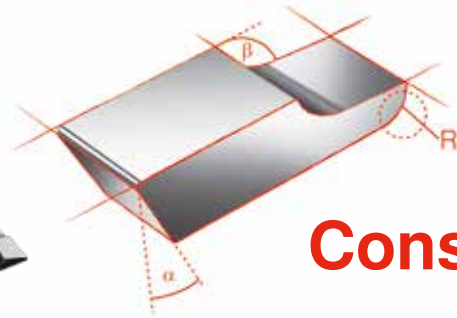


Special forming tools

Whether for hammers, mandrels or punches, the perfection of special geometries with tight tolerances is something we deal with on a daily basis. As we have complete control of the product supply chain, from the raw material to the finished product, our engineers can develop any specialised solution – with the guarantee of delivering best quality products with high precision, thanks to highly flexible and advanced production technology.

Our engineers at CERATIZIT look forward to receiving your requests and will assist you in finding the best solution for your application.





Construction

Continuous investments in R&D and in production, combined with in-depth expertise and global market knowledge, make CERATIZIT your preferred partner for wood and stone working products. Our innovative strength is reflected in a broad and expanding product portfolio, with high storage capacity for fast availability. For customised product developments, including rapid prototyping, our stone project management team will be happy to advise you.

Wood machining

Whether blanks, strips, planer blades, indexable knives, blanks for profiling or rods – any product or grade from our extensive portfolio sets standards in the industry in terms of cutting performance and surface finish. Thanks to high-performance grades, our products feature less tool breakage and chipping during cutting operations. Individual designs and solutions are also a possible option, enabling you to meet your needs exactly – this in addition to our standard portfolio, which is conveniently available through our online E-Techstore.

Thanks to our state-of-the-art manufacturing technology and a consistently high standard of metallurgical quality, we are able regularly to offer our products at an excellent price-performance ratio, for either standard or bespoke solutions.

Metal sawing

For metal sawing, we offer standard and special saw tips for circular and band saws - both in carbide and cermet versions. Most of our carbide grades for metal sawing are surface-treated, ready-to-braze and suitable for PVD coating. For our band sawing tips in the shape of balls, cylinders and segments, we offer cobalt and nickel coating suitable for resistance welding and brazing.

Wood sawing

Improved carbide grades and geometries for wood sawing offer you increased flexibility: whether it's for softwood or for hardwood, for the sawing of fibre or particle boards or for circular or band saws – our continuously growing selection of KCR grades has successfully proved its worth on the market. They are extremely corrosion-resistant, extraordinarily tough and highly wear-resistant, which results in an increase of the tool life of up to 20%. In this way we provide toolmakers with decisive competitive advantages and a very short processing time, as we also offer pre-tinned saw teeth.

Power tool accessories

We offer specials and customer-specific solutions (hybrid products of steel and carbide) for a wide range of applications. As we manage the entire production process, flexibility is one of our greatest strengths – whether for manufacturing carbide parts, laser welding or grinding.

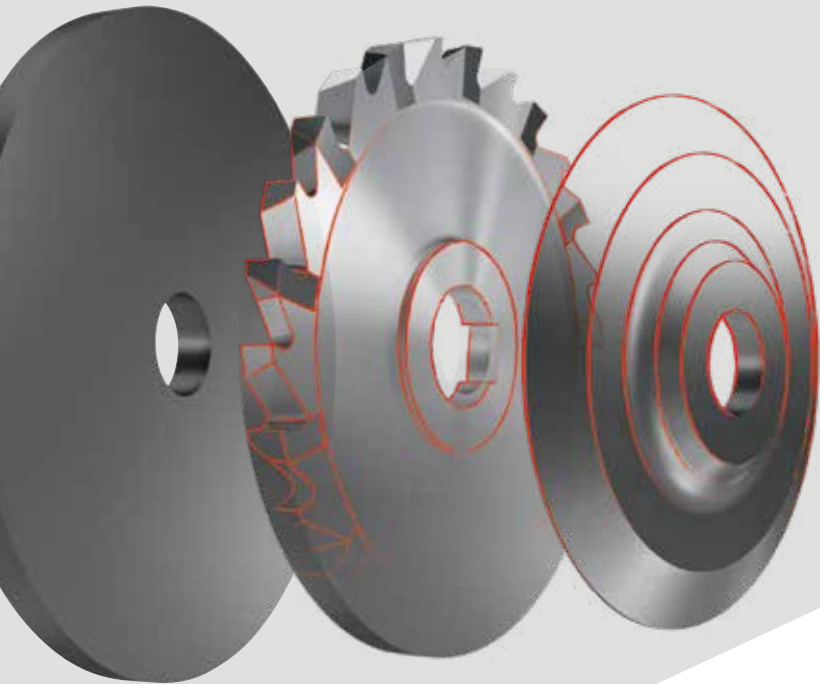
Stone working industry

With decades of experience in developing solutions for the machining of concrete, stone and masonry, we provide excellent carbide inserts for percussion and hammer drills, stone cutting drill tips and saw tips. In addition to customised developments in various geometries and grades a wide standard range is available worldwide. Our bespoke carbide grades are characterised by both impeccable impact strength and wear resistance resulting in long tool life. Finally, all our products are to PGM standards (Prüfgemeinschaft Mauerbohrer - Masonry Drills Testing Association).



Saw blanks

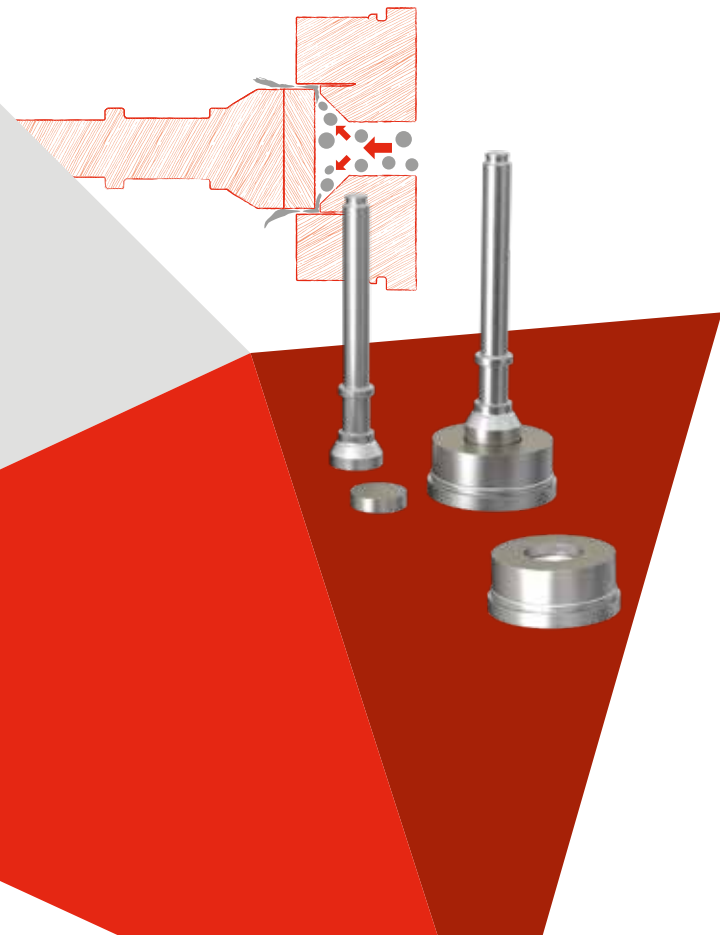
As a world leader in wear protection, CERATIZIT offers particularly wear-resistant carbide grades. Our tooling blanks guarantee a long tool life, good parallelism and reliable concentricity. Thanks to our wide range of grades, which is available from stock for rapid delivery, we offer the optimal solution for every application.



Food and beverage industry

Components for the food industry

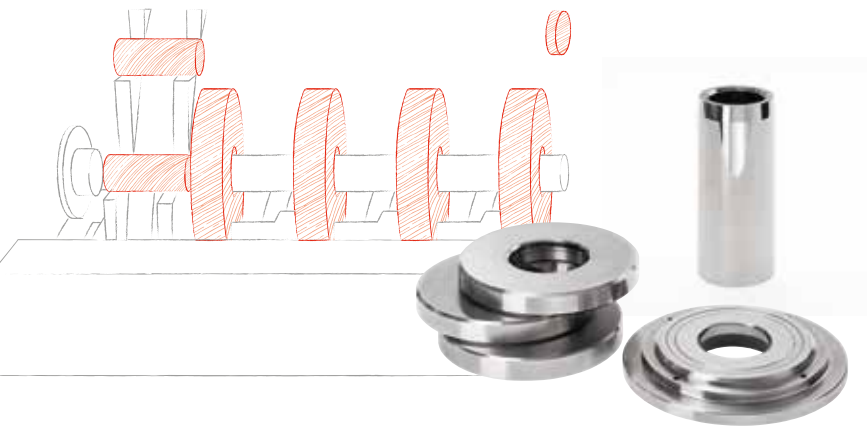
Tailor-made carbide or ceramic products that meet the customer's needs offer the ideal solution for safe and economical food processing, reducing machine downtime in daily operations through increased wear resistance, in compliance with hygienic standards and any relevant certification procedures. For the food industry, we exclusively offer approved carbide grades: the American Food and Drug Association (FDA) attests to the suitability of our carbide grades in the food industry and has included all of our grades in the 'Inventory of Effective Food Contact Substance (FCS) Notifications'.



Automotive

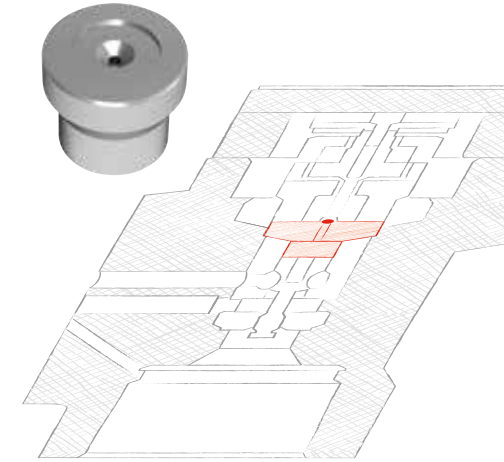
Can tooling

With copper (both round and non-round), body maker and necker tooling in tungsten carbide, ceramic and steel, our state-of-the-art product range is the ideal solution if you want to optimise your can production. Our innovative grades are developed in-house, and with their variety and quality can be guaranteed to meet your needs exactly. Our fully certified carbide recycling scheme is an integral part of the process, enabling us to convert used carbide tools back into raw materials.



Solutions for the automotive industry

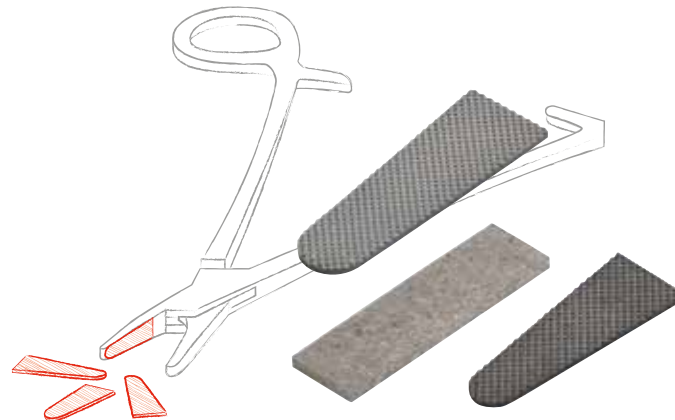
Equipped with IATF16949 certification we offer maximum precision and perfect material quality for a technological head-start in the automotive sector. Our solutions range from prototypes to serial quantities – always with the possibility of customer-specific solutions. For dealing with aggressive media we offer chemical-resistant grades and state-of-the-art equipment for sustainable processing. Fuel-injection components, combined with future-focused technology involving fuel cells (rotor shaft, bearings) and SCR systems (injection nozzles), result in an even more comprehensive range of products including parts for full ceramic wear protection. Moreover our process engineering runs in parallel to the customer's engineering.



Health industry

Dental and medical industry

For more than 30 years, CERATIZIT has been supplying the medical industry with both standard and customer-specific carbide and ceramic solutions for biocompatible medical and dental tools. Compliance with biocompatibility standards serves to protect patients during treatment, and is mandatory under EU law. This is why our carbide and cermet solutions are tested for in-vitro cytotoxicity, which facilitates the certification of our customers' tool manufacturing processes. Additionally, thanks to their extreme hardness, toughness, breakage resistance, temperature and corrosion resistance, our products exhibit vastly superior performance attributes compared to standard steel products.



CERATIZIT service solutions

Your 360° partner

In order to deliver the best quality and services at the best price-performance ratio, we take matters into our own hands, valuing the control we have over everything we do. That is why we combine product development, engineering and orders and inventory management together with a huge E-Techstore, customer support with seminars and consulting services, logistics, and IT under our many roofs around the globe that are proud to carry the name CERATIZIT Group.

Thanks to the extensive skills, capacities and experience within the entire CERATIZIT Group, we are able to offer you outstanding quality at a fair price for your tailor-made service option.



Supplying solutions, not just products

The complex world of cemented carbide offers innumerable application possibilities and holds vast potential. Beside our standard solutions, we offer many customised services that match your individual needs in the best possible way. Contact us to find out how we can support your business and under what terms: together, we will analyse your situation and discuss which services are suitable to add value to our partnership.

Innovative carbide solutions =
Premium products +
best-in-class
services

Product engineering

We at CERATIZIT create competitive advantages for our customers through the setting of new technological standards and development of innovative materials and coatings, as well as unique carbide products. Our specialised engineering teams consult with you to develop your tailor-made carbide solutions – perfectly fitted to the needs of your application.



Support

There are few carbide manufacturers with experience like ours. As your business partner, we aim to share this knowledge with you so you can work in the most profitable way possible.

Orders and inventory management

The management of orders and inventory is the key to an efficient supply chain. In consultation with you we will analyse your requirements and find the best solution, so you can count on having the right product quantity at the best price, at the time when you need it.

Special operations

Whether you bought the original component from us or a third party, you can count on us to assist you in matters like regrinding or repairing and – at the end of tool life – we even repurchase the used parts for recycling.

Logistics

We offer you high-quality standardised or individual solutions for packaging and dispatch, so that you receive the goods in the way that is best suited for you.



IT tools

Our e-commerce solutions allow you to benefit from additional digital possibilities to speed up ordering processes, increase your operational efficiency and save time thanks to shortened communication paths.

The best addresses for specialised service & production of wear parts

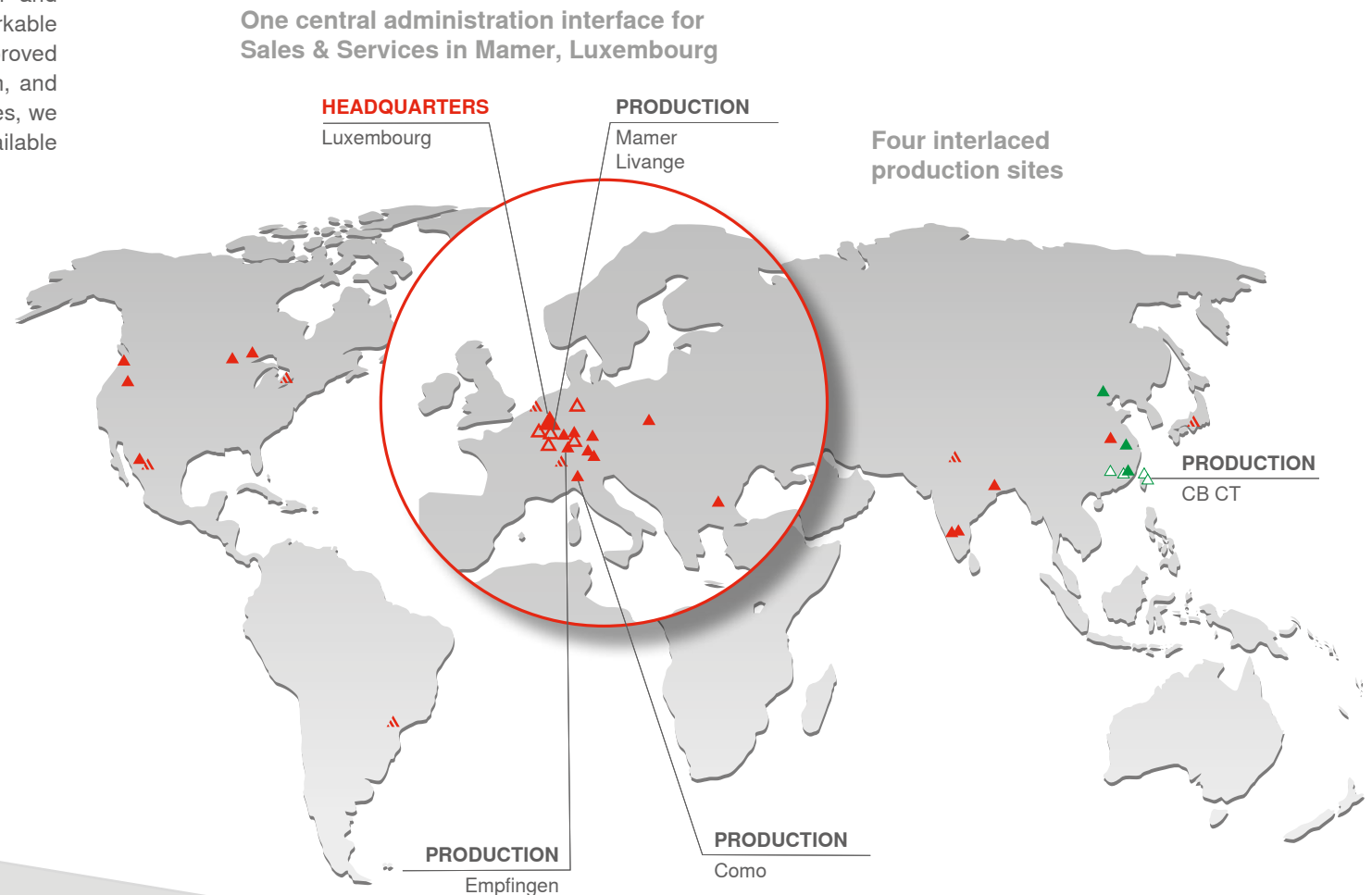
Hailing from all over the world, CERATIZIT products are renowned for their reliability, precision and all-around great performance. This remarkable reputation is constantly upheld and even improved upon at our key production sites. From them, and in close connection with all our numerous sites, we operate our international service, which is available to customers in all markets.

CERATIZIT Group

- ▲ Headquarters
- ▲ Production & Sales
- △ Production site
- ▲ Sales

CB-CERATIZIT

- ▲ Production & Sales
- △ Production site
- ▲ Sales



Quality management

We attach great importance to the quality of our products, no matter where they are manufactured.

Verified and certified

The ISO 9001 standard sets out the minimum requirements for a quality management system. We are continually optimising our internal processes so that we are always in a position to offer you the best quality product solutions. We have regular audits carried out to confirm this.

Certified aerospace supplier

As a hard material producer, we meet the exacting quality standards of the aerospace sector. Our certification is confirmation that we adhere to the strict technical specifications that manufacturers demand of their suppliers. In this way we guarantee you the best in product quality, productivity and competitiveness.

Applications for the automotive industry

As one of the leading carbide producers worldwide, we also fulfil the demanding quality standards of the automotive sector. Certifications to IATF 16949 and 9001 confirm that we comply with the strict technical specifications you require from your suppliers.

Environmentally friendly and food-safe

For the food industry, we exclusively use approved carbide grades: the American Food and Drug Association (FDA) attests to the suitability of our carbide grades in the food industry and has included all of our grades in the 'Inventory of Effective Food Contact Substance (FCS) Notifications'.

Biocompatible tools for the medical industry

With a product range as large as ours, we naturally also serve the medical sector. In fact, for more than 30 years, CERATIZIT has been supplying specially-developed carbide grades that can be used for the medical industry. As mentioned before, CERATIZIT's carbide and cermet solutions are vastly superior to standard steel products thanks to their extreme hardness, toughness, breakage resistance, temperature and corrosion resistance. However, in the field of medical products, it is not only performance that plays a role – patient safety is also key and must be guaranteed at all costs. Thus, legal guidelines require the certification of all medical products for biocompatibility. CERATIZIT's customers can rest assured that our non-cytotoxic carbide and cermet grades are certified to DIN EN ISO 10993-5 standards, effectively removing an important obstacle in the certification of our customers' end products and thus saving them time and money.



Get in touch



Or more precisely, get to know us!
We always cherish a personal relationship with our customers and everyone that is interested in our 'profession we do with passion'. And since customer-orientation and tailor-made solutions are a huge part of our expertise, we are more than happy to welcome you to address your questions and discuss your concerns. Feel free to call or write at any time.

We are here for you.

hardmaterialsolutions@ceratizit.com

Explore our world further

The CERATIZIT world is quite extensive and considering our vast portfolio and service offerings, it may take some time to get to know us in-depth. To do so, we would like to invite you to visit our website where even more information is at your disposal – for we believe that information is at the heart of transparency, and that in turn transparency lies at the heart of all successful partnerships.

E-Techstore

Our E-Techstore is your 24/7 online access to CERATIZIT products: an intuitive and user-friendly design, with clearly structured categories and filter functions, makes it easy to search and find the products you are looking for. Shop conveniently online around the clock at:



www.e-techstore.com



You'll find detailed product information with technical drawings and product pictures. Track your orders or download invoices, even for orders placed offline and get instant access to your account at CERATIZIT with one click.

Be our guest at ceratizit.com.

Online configurator

Just a few clicks to create your very own individual product with our product configurator: design your individual carbide blanks and tools online with just a few clicks in our E-Techstore to speed up your supply chain process! Now even easier, faster and more reliable. Our configurator is available for many different product groups and we are constantly extending our offering.

Headquarters

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