



Premium carbide
for the health industry

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Who

we are

3 \ CARBIDE PIONEER AND EXPERT

CERATIZIT is a high-tech engineering group specialised in tooling and hard material technologies.



1921



Plansee Tizit, founded
in Reutte, Austria

1931



CERAMETAL, founded
in Bereldange, Luxembourg

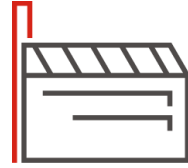
\ GLOBAL PLAYER: PRODUCTION AND SALES SITES



6 \ CERATIZIT GROUP KEY FACTS 2019



> 9,000
employees



33
production sites



> 50
sales subsidiaries



1
Headquarters in
Mamer, Luxembourg



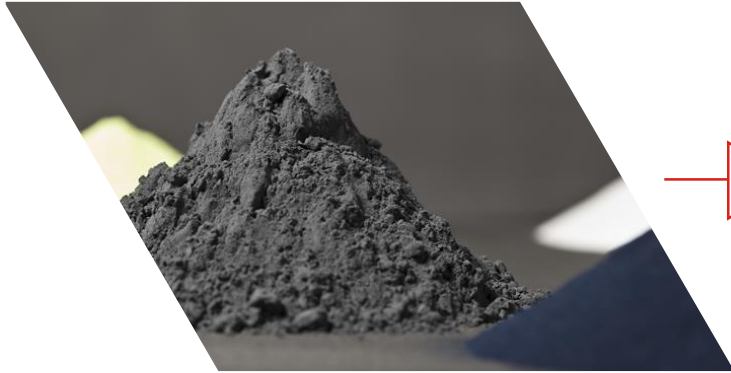
> 100,000
different products



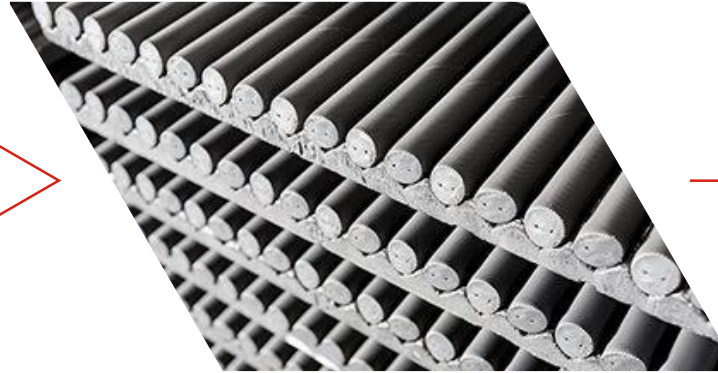
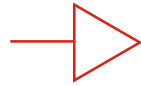
> €1.2 B*
turnover in 2018

**Consolidated with CB-CERATIZIT at 50%*

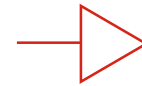
7 \ WE MASTER THE WHOLE PRODUCTION PROCESS



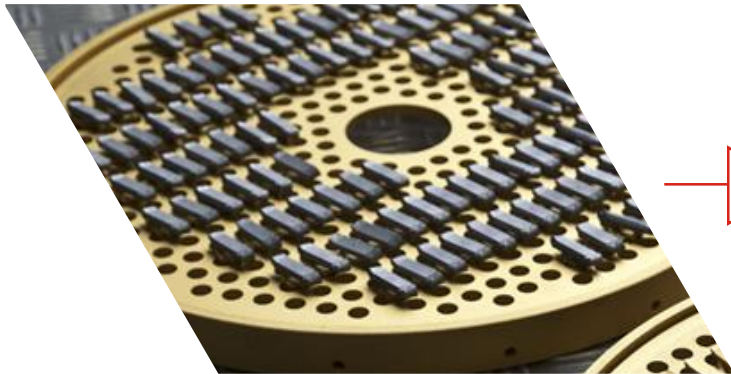
Preparation and mixing of the powder



Forming / Pressing



Sintering



Finishing



Dispatching



Recycling

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What

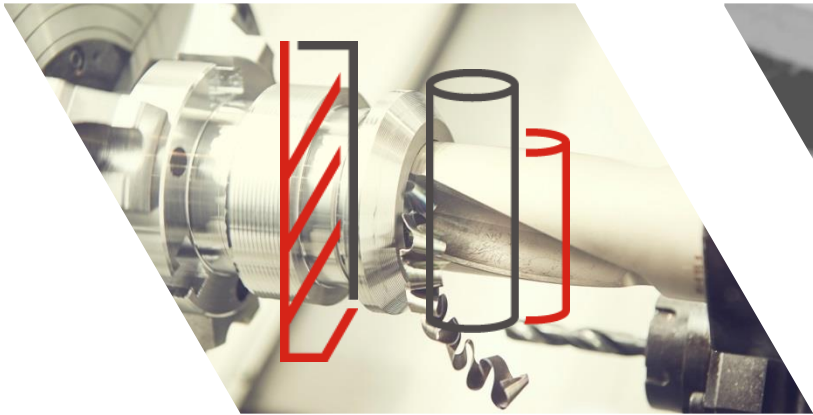
we do

Tungsten carbide, a composite material with unique properties:

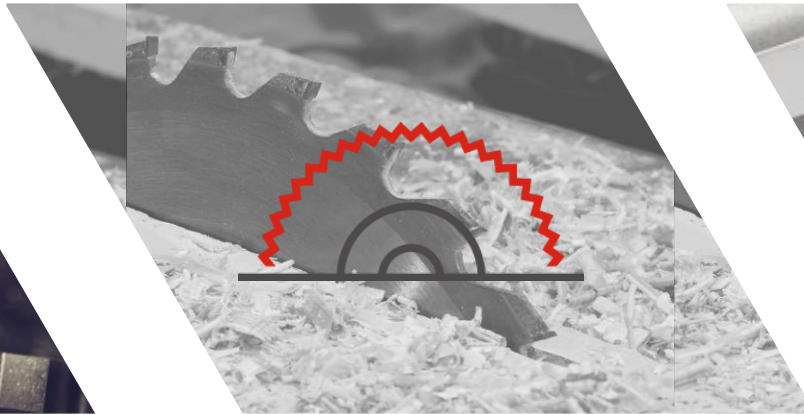
- ▲ Wear resistance
- ▲ High hardness
- ▲ High toughness



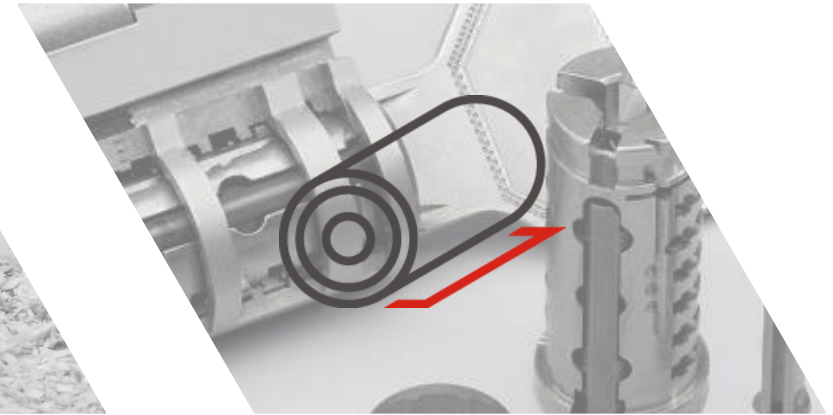
For various applications



Metal Cutting

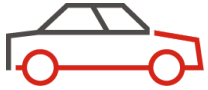


Wood and Stone Working



Wear Protection

11 \ APPLICATION AREAS OF OUR PRODUCTS



Automotive



Mechanical
engineering



Construction



Health



Aerospace



Consumer
electronics



Energy



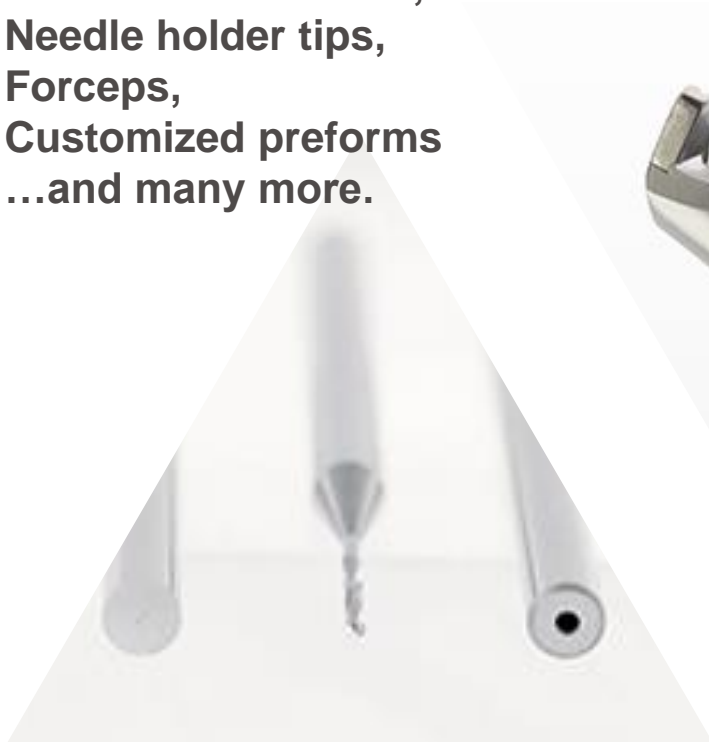
taking care



Individual solutions

Blanks for

Dental drills & burs,
Needle holder tips,
Forceps,
Customized preforms
...and many more.



Highly precise & extremely resistant

Our carbide blanks are extremely hard, tough, resistant to breakage, heat & corrosion and thus, superior to conventional steel products.



Premium carbide tested for in vitro cytotoxicity

The test for in vitro cytotoxicity according to DIN EN ISO 10993-5 is carried out with the new carbide grades from CERATIZIT.



Application fields

Our products are suitable for a variety of medical and laboratory applications, e.g.:

- ▲ Dental tools
- ▲ Medical tools
- ▲ Surgery tools
- ▲ Forceps

