

by tech

CUTTING TOOLS



PRODUCT GROUPS

1. END MILLS

2. DRILLS

3. TAPS & THREAD MILLS

4. REAMERS

5. INDEXABLE HEAD DRILLS & END MILLS

6. SPECIAL TOOLS

7. CARBIDE INSERTS & TOOL HOLDERS

8. CBN & PCD TOOLS

1. END MILLS



Standard End Mill



Corner Radius End Mill



Ball Nose End Mill



High Performance End Mill



Inner Radius End Mill



Tapered End Mill



Dovetail End Mill



Finishing End Mill



T-Slotting End Mill



Roughing End Mill



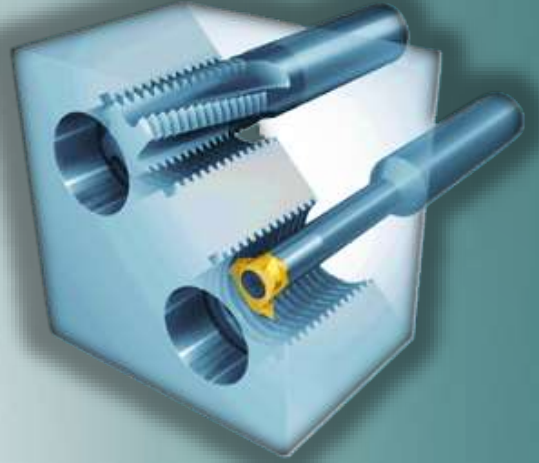
Chamfering End Mill

2. DRILLS

- ▶ DRILLS without COOLANT HOLE
- ▶ DRILLS with COOLANT HOLE
- ▶ STEP DRILLS
- ▶ SPECIAL FORM DRILLS
- ▶ HSS DRILLS



3. TAPS & THREAD MILLS



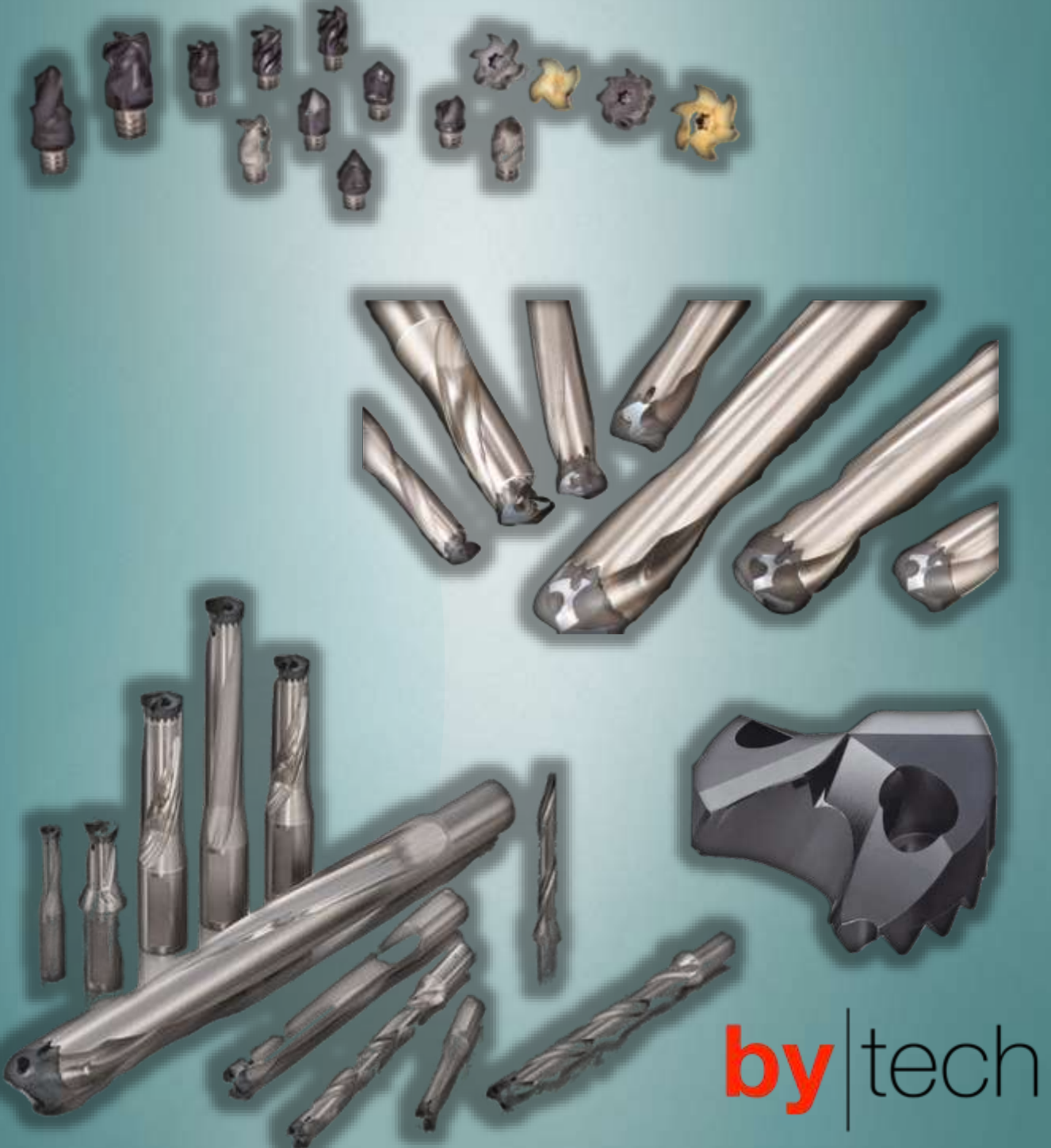
4. REAMERS

We produce all kinds of reamers for excellent surface quality and dimensional tolerance. Straight flute reamer or helical flute reamer, depending on the type of operation. According to chip evacuation, we offer solutions with right or left helix reamers.



5. INDEXABLE HEAD DRILLS & END MILLS

The fact that the carbide drill and milling tools are fitted with inserts ensures that the tool replacement costs are minimized by changing the heads and leaving the body fixed. For this purpose, as By-Tech, we offer indexable head drills & milling tools to the service of our valued customers.



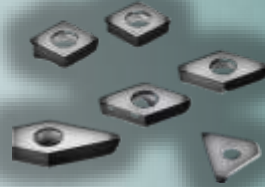
6. SPECIAL TOOLS

Our company also produces accurate and high quality cutting tools for different sectors in special tool production. By using our experience and expertise, we offer solutions that can meet your requests for special cutting tools as well as milling, drill and reamer in appropriate sizes.



7. INSERTS & TOOL HOLDERS

▶ CHIP BREAKERS



▶ CHIP BREAKERS FOR SPECIAL APPLICATION

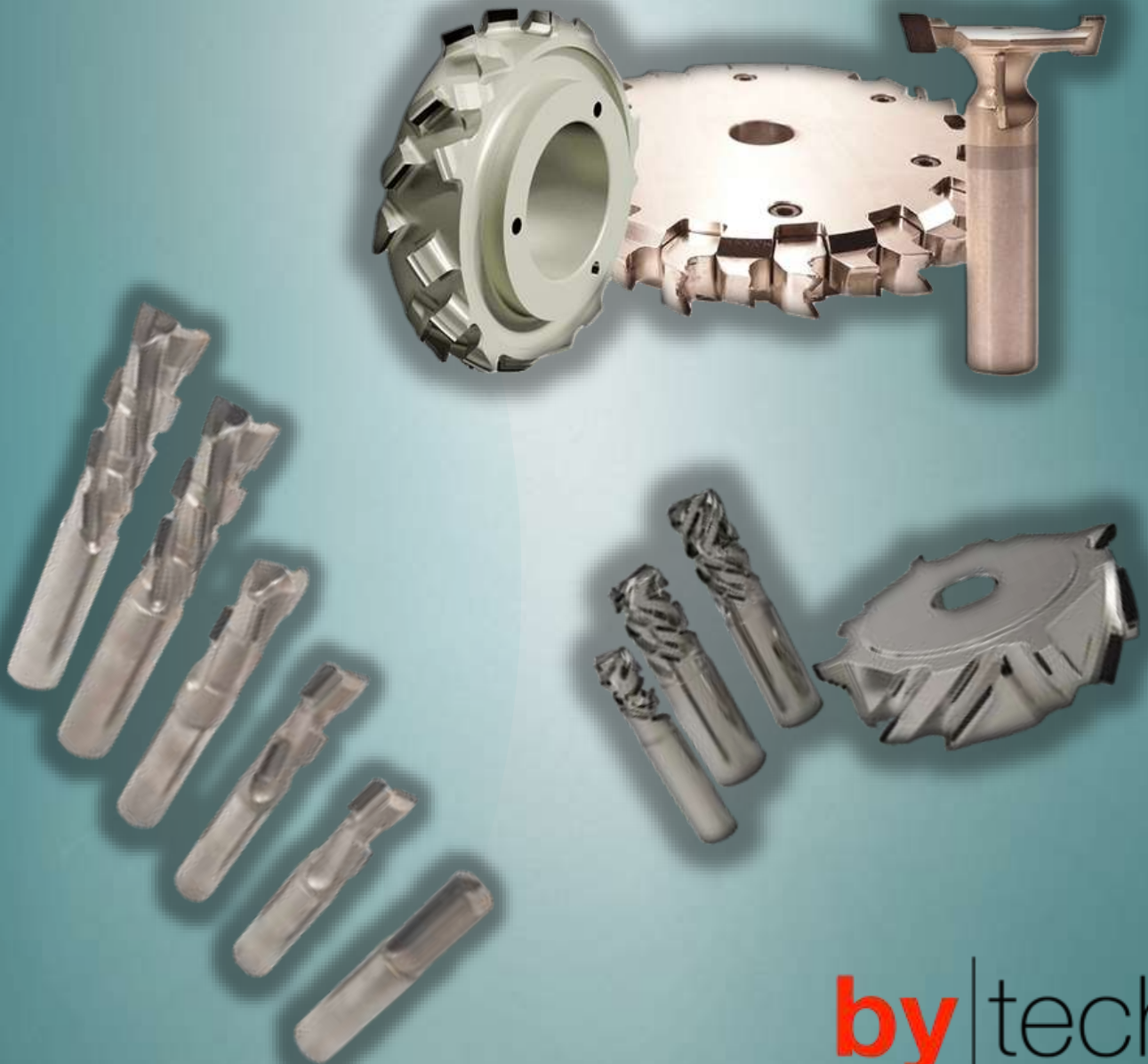


▶ TOOL HOLDERS



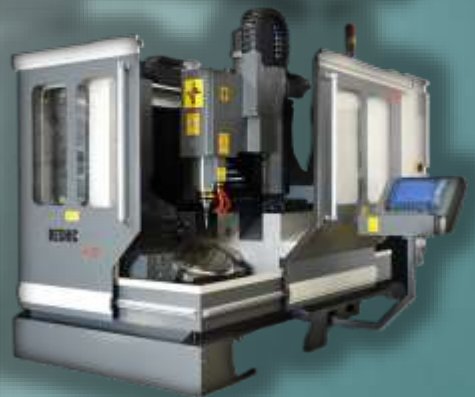
8. CBN & PCD TOOLS

PCD and CBN tools should be your first choice in the automotive, aerospace industries, especially for demanding operations such as machining cylinder heads or producing rivet holes in aircraft. In addition, PCD tools can machine all non-ferrous materials used in the woodworking industry, chipboard, HDF, laminated sheets, materials used in the automotive industry to manufacture aluminum components, and all lightweight materials such as carbon fiber reinforced plastics (CFRP).



MACHINERIES

- ▶ 15 units WALTER HELITRONIC POWER
- ▶ 3 units MICHAEL DECKEL S22 SERIES
- ▶ 2 units VOLLMER VGRIND Grinding Machine
- ▶ 15 units miscellaneous Grinding Machine
- ▶ 3 units 5 axis CNC Machining Center
- ▶ 3 units CNC Lathe
- ▶ WALTER HELICHECK Measuring Device
- ▶ ZOLLER Measurement and Control Device
- ▶ Coordinate Measuring Machine - CMM
- ▶ Stream Finishing Machine
- ▶ Vollmer Die Sinking Edm Machine



COATING & STREAM FINISHING

▶ Coating

We offer the highest quality coating service to our customers with many different coating alternatives such as AlCrN-TiCN-TiN in line with customer demands for all our products.



▶ Edge Preparation

Edge preparation provides maximum cutting edge contact on tools. In this way, it contributes to the prolongation of tool life as well as providing better finishes and less chip removal.



End Mill Corner



After Grinding



After Edge Preparation

SECTORS WE SERVE

▶ **Automotive**



For the automotive industry, we offer tools with low cost and longevity, as well as high speeds and high tool performance.

▶ **Medical**



We offer you optimum costs by blending advanced cutting technologies for all your special and challenging needs, different tool styles required by the medical industry, surgical blades with our high-tech machine park and our expert staff.

▶ **Wood and General Production**



It is our specialty to produce tools that are resistant to harsh production conditions, have long life and high cutting speeds. We offer a reliable business partnership that we will always be with you for all your needs before and after production.

▶ **Defense and Aerospace**



In addition to the high precision tools required by the defense and aerospace industry, we do not compromise on high quality and low tolerances in order to remain competitive with our tool options designed for composite materials.

▶ **Casting & Forging**



We offer unique tooling solutions for high strength and heat resistant materials including Iron, Steel, Titanium, Copper, Metal, Aluminum, special alloy and more.

▶ **Molding**



We are always with you with low cost, high efficiency and maximum surface sensitivity for molds and materials.

We continue our production activities in three different plants with our high-tech machinery.

- 1. Plant:** Carbide Cutting Tool Manufacturing
- 2. Plant:** Tool Manufacturing with Insert
- 3. Plant:** Tool Holder Manufacturing

We are at your service more powerfully and dynamically with our renewed identity, machine park and product portfolio.

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