# POWDER PRESSING AND TABLETING

**DURIT** 

Wear-resistant. Pressure-resistant. Efficient.



# DURIT HARTMETALL SINCE 1982 Successful and solution-oriented OVER 500 EMPLOYEES Worldwide MORE THAN 60 CARBIDE GRADES For wear protection and metal forming MORE THAN 60 CARBIDE GRADES FOR WEAR PROTECTION MORE THAN 60 C

# » CARBIDE TECHNOLOGY

Tools and components made of cemented carbide are **the ultimate in wear resistance and longevity** and **ensure utmost versatility.** DURIT carbide solutions stand up to the toughest demands.

### **» DEDICATED TO CARBIDE**

**Carbide from a single source**—from blanks to high-precision final products. DURIT produces **customized parts** and realizes **individual shapes** as well as **complex geometries**.

**» WE OFFER FULL-SERVICE CARBIDE** 





# » WEAR PROTECTION FOR POWDER PRESSING AND TABLETING

Substances and mixtures with abrasive components often play a role in powder pressing and tableting processes. The use of cemented carbide achieves **permanent contour accuracy** and a **significantly longer service life.** 

### **» WE SOLVE WEAR PROBLEMS**

Compared to steel tools, cemented carbide **increases the service life by up to 50 times.** In the chemical and pharmaceutical industries, but also in the automotive sector, DURIT's **high-tech solutions** have been tried and tested for years.

### **» WITHSTANDS MOST EXTREME DEMANDS**

# **Products:**

tableting tools · dies · punches · punch inserts · centering pins · arbors · sleeves · carbide-faced press molds · press mold linings · filling and feed table plates · individual pressing tools

# Typical applications ::

chemical industry · automotive industry · pharmaceutical industry · sintered metal production · magnet production · dental technology · industrial and technical tableting · refractory industry



# » COATING TECHNOLOGY

DURIT coatings distinctly increase resistance of tools, components and parts. Our experts realize high-tech solutions that stand out through highly specific properties.

### **» MORE EFFECTIVE AGAINST WEAR**

In addition to solid cemented carbide, advanced coatings achieve optimized results, especially on large-volume parts. Thermal spray coatings, laser cladding and **PVD coatings** perfect various high-precision components. In many cases DURIT coatings are the perfect choice to increase productivity.

### **» TARGETED IMPROVEMENT OF PRODUCTIVITY**



» Alloys

Weldable powders (carbides, metals) comparable with Stellite, Triballoy, Colmoloy, Hastalloy, Inconel or similar

# **HVOF**

High Velocity Oxygen Fuel

### » Carbides

WC/Ni WC/Co WC/Co-Cr

# WC/NiCrBSiFe

# Cr<sub>2</sub>C<sub>3</sub>/NiCr

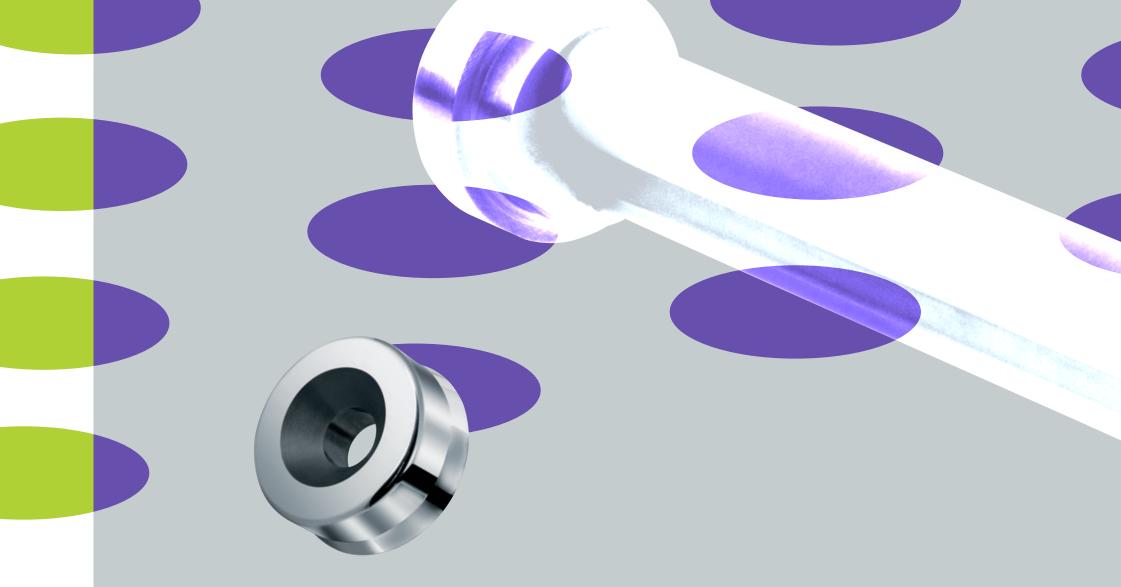
## **PVD**

Physical Vapour Deposition PVD represents protection, optimization and refinement for targeted efficiency









### **» DURIT HARTMETALL GMBH**

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