

» CARBIDE AND COATINGS

BLASTING AND SURFACE TECHNOLOGY

Wear-resistant. Permanently strong.

DURIT
HARTMETALL





» CARBIDE TECHNOLOGY

Parts, 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

HARDFACTS

» DURIT HARTMETALL

» SINCE 1982

Successful and solution-oriented

» OVER 500 EMPLOYEES

Worldwide

» MORE THAN 60 CARBIDE GRADES

For wear protection and metal forming

» 100 % COATING EXPERTISE

HVOF, APS, EAWS,
Laser Cladding, PVD and CVD

» WEAR PROTECTION FOR BLASTING AND SURFACE TECHNOLOGY

Surface finishing, surface cleaning and more: Abrasive media place very special demands on the properties of tools and components—cemented carbide can withstand. DURIT offers **individualized solutions** creating noticeable added value.

» WE SOLVE WEAR PROBLEMS

Distributors, blades, accelerators: DURIT products represent **maximum quality** and provide decisive **competitive advantages**. Our customers tell us their requirements for their components or tools—our experts find the appropriate solution.

» WITHSTANDS MOST EXTREME DEMANDS

Products ::

nozzles · throw blades · accelerators ·
separators · impact protection · wear plates ·
lining · supplying parts

Typical applications ::

surface finishing and cleaning





Selection of application-specific carbide grades ::

| GRADE | Composition | Binder (%) | Grain size | Hardness (HV30) | Fracture toughness (MPa·m^{1/2}) |
|--------------|--------------------|-------------------|-------------------|------------------------|---|
| GD03F | WC-Co | 5,75 | submicron | 1850 | 9 |
| GD08F | WC-Co | 8,00 | submicron | 1625 | 10 |
| GD13F | WC-Co | 10,00 | submicron | 1540 | 12 |
| GD05 | WC-Co | 5,50 | fine | 1700 | 10 |
| GD10 | WC-Co | 6,00 | medium | 1600 | 10 |
| GD15 | WC-Co | 8,00 | medium | 1460 | 12 |
| GD20 | WC-Co | 10,00 | medium | 1350 | 15 |



» DURIT QUALITY REPRESENTS BEST RESULTS

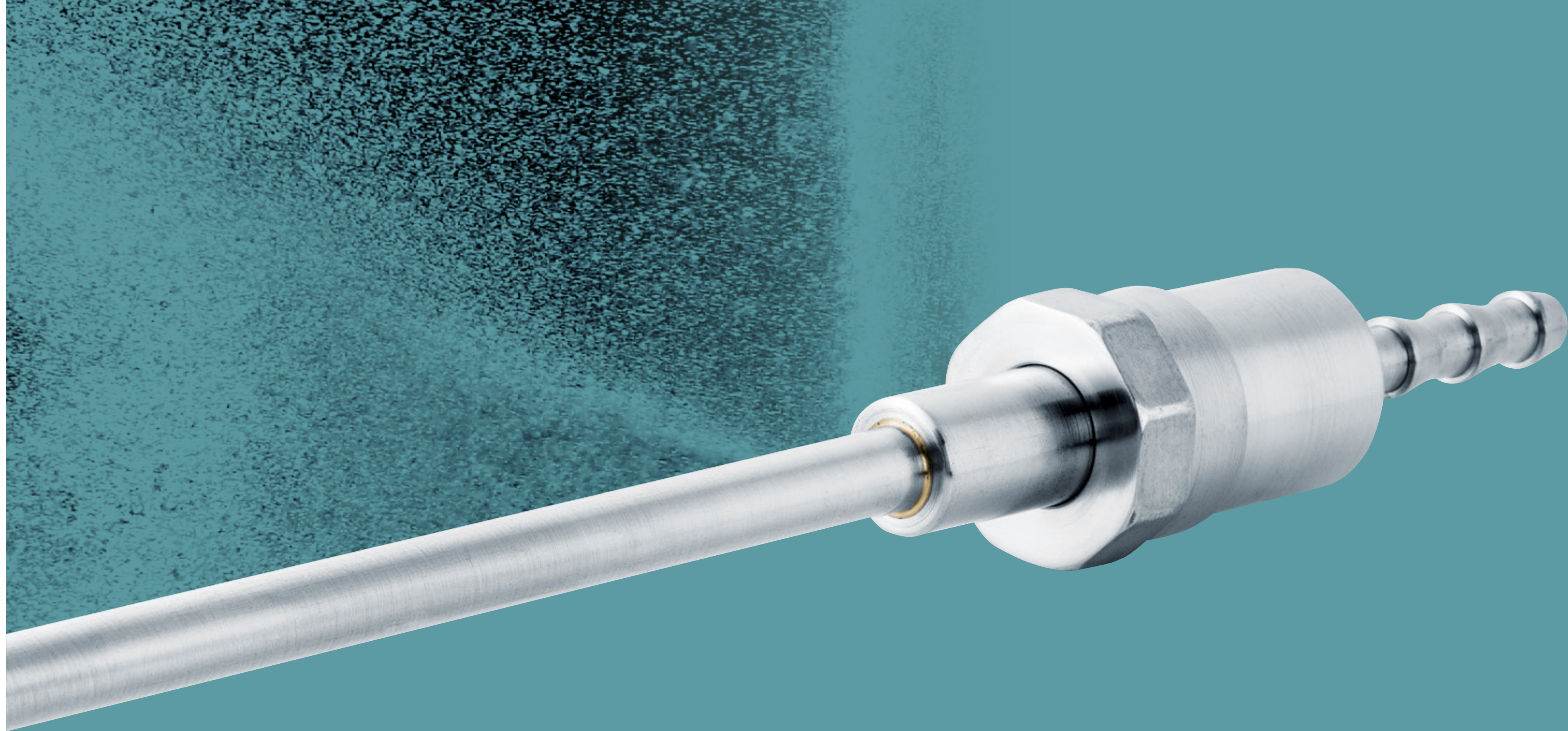
As one of few **complete suppliers in the market**, DURIT offers an all-encompassing concept from consultation, development and design, all the way to production of highly accurate components.

» CARBIDE FROM A SINGLE SOURCE

Our products are designed with a focus on **dimensional accuracy, continuity** and **value enhancement**. Therefore, all our production sites are equipped with state-of-the-art technology. In particular, we attach great importance to our **process-oriented quality management**.

» QUALITY AND ADDED VALUE THROUGH CERTIFIED PROCESSES





» **DURIT HARTMETALL GMBH**

Linderhauser Straße 139
D-42279 Wuppertal
Germany
T +49 202 55 109 0
F +49 202 55 109 25
info@durit.de

durit.com

takes you to EXTREMES    