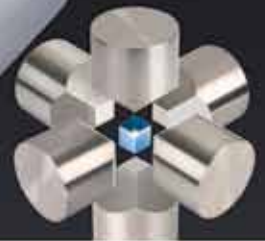


INDUSTRIAL PRODUCTS



DIE & ANVIL



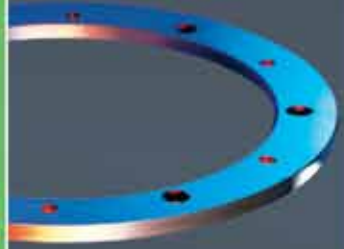
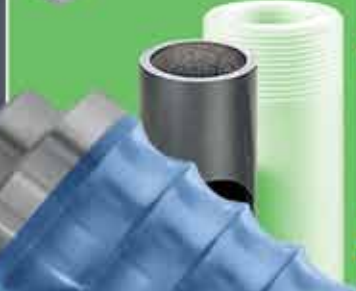
TUNGSTEN POWDERS



CARBIDE RODS

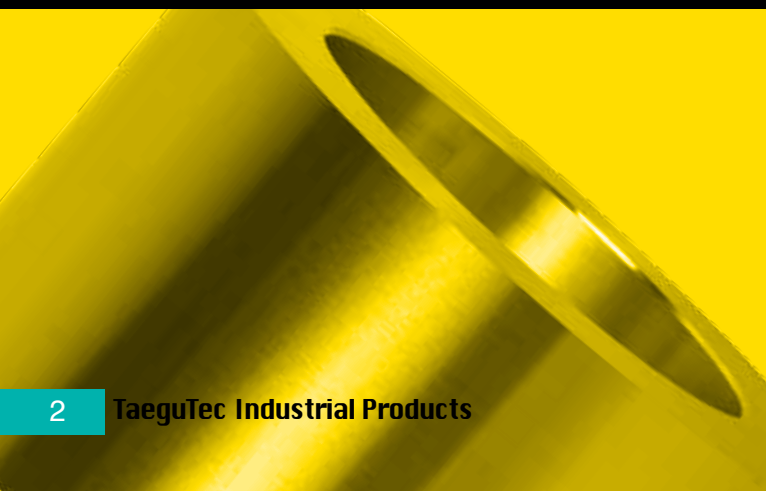
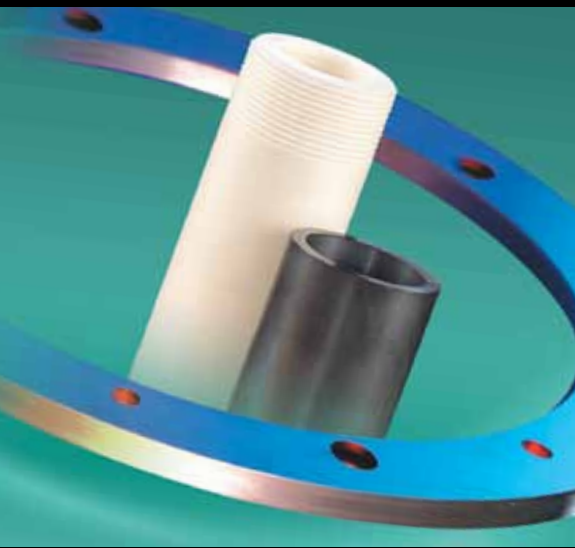


WEAR PARTS



CARBIDE ROLLS







AS9100 / ISO9001



ISO 14001
Environment Management System



OHSAS 18001
Health & Safety Management System

Contents

■ TUNGSTEN POWDERS	4 - 5
<hr/>	
■ CARBIDE ROLLS	6 - 10
● WIRE ROD MILL	6 - 7
● BAR MILL	8 - 9
● NEW APPLICATIONS	10
<hr/>	
■ DIE & ANVIL/PUNCHES	11
<hr/>	
■ CARBIDE RODS	12 - 13
<hr/>	
■ WEAR PARTS	14 - 15

TUNGSTEN POWDERS



TUNGSTEN METAL POWDER

- ▶ TaeguTec has been producing high quality tungsten metal powder with a variety of particle sizes for more than 30 years.



APPLICATION

Tungsten Carbide Powder, Heavy Alloy, Electrical Contacts, Diamond Tools, Wires etc.





TUNGSTEN CARBIDE POWDER

- ▶ TaeguTec's premium quality tungsten carbide powder is produced by carburization in a hydrogen atmosphere with a mixture of tungsten metal powder and pure carbon black.



APPLICATION

Cemented Tungsten Carbide Cutting Tools,
Wear Parts, Roll & Die, Diamond Tools,
Mining Tools etc.



RTP POWDER

- ▶ TaeguTec supplies tailor-made RTP(Ready-to-press) powder as per customer's specification.



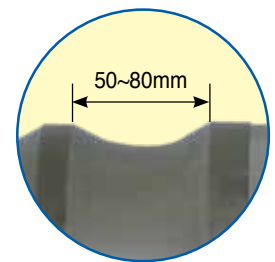
CARBIDE ROLLS

WIRE ROD MILL



TorqueRoll[®]

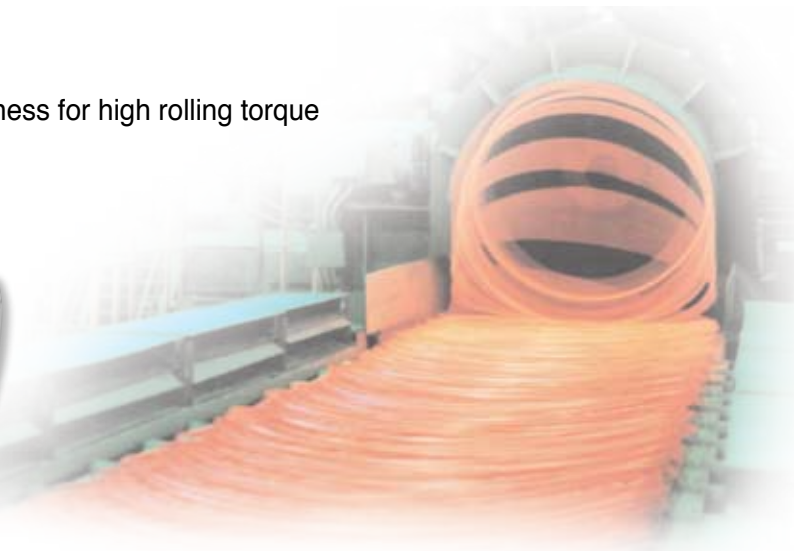
- ▶ Free from slippage even under high rolling torque & low rolling speed.
- ▶ Flexible and optimal design for every requirement.





CantileveRoll[®]

- ▶ Available in several grades with excellent toughness for high rolling torque & low rolling speed.



BlockRoll[®]

- ▶ Available in grades for high wear-resistance.



TriRoll[®] for Reducing & Sizing Block

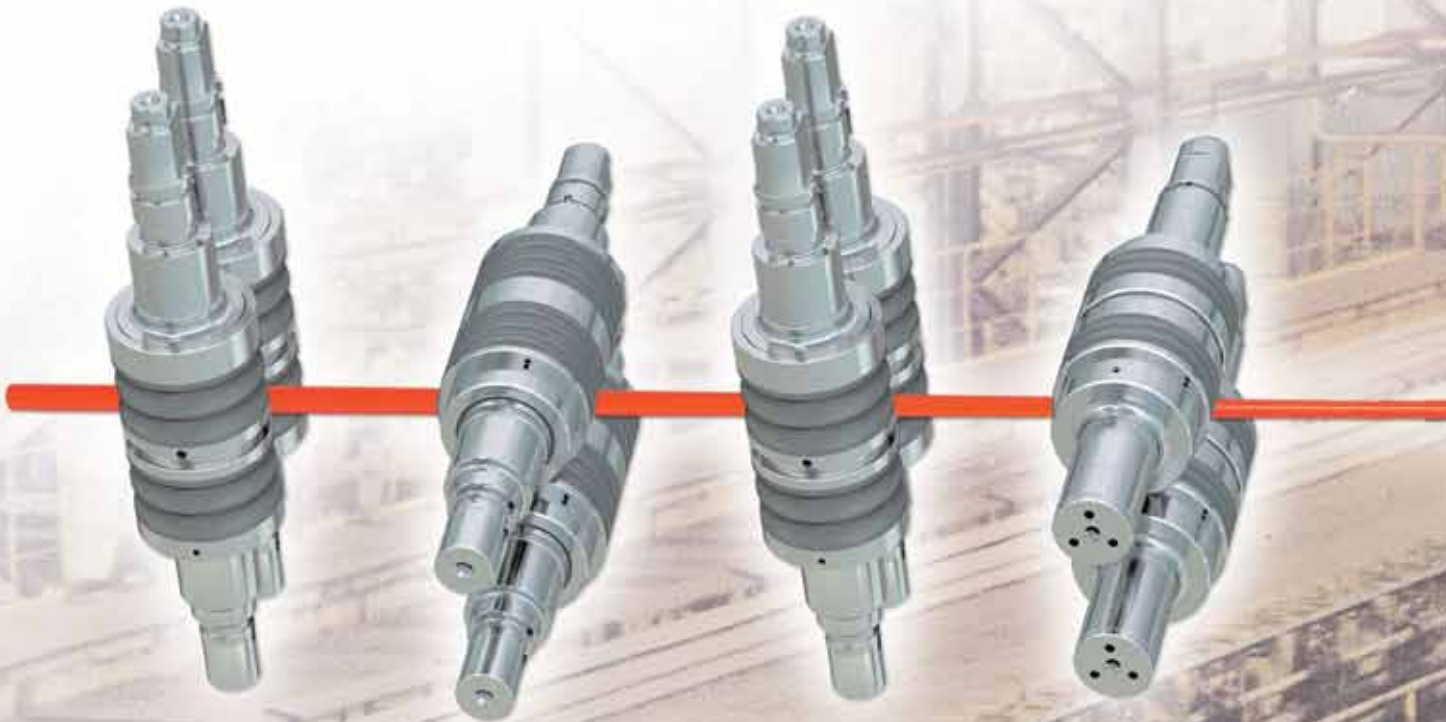
- ▶ Available in various grades for high performance with high surface finish enabling defect-free finished production.



CARBIDE ROLLS

BAR MILL

Applicable for all Intermediate & Finishing Mills including Slitting Stands.



TorqueRoll[®]

- ▶ Free from slippage even under high rolling torque & low rolling speed.
- ▶ Flexible and optimal design for every requirement.

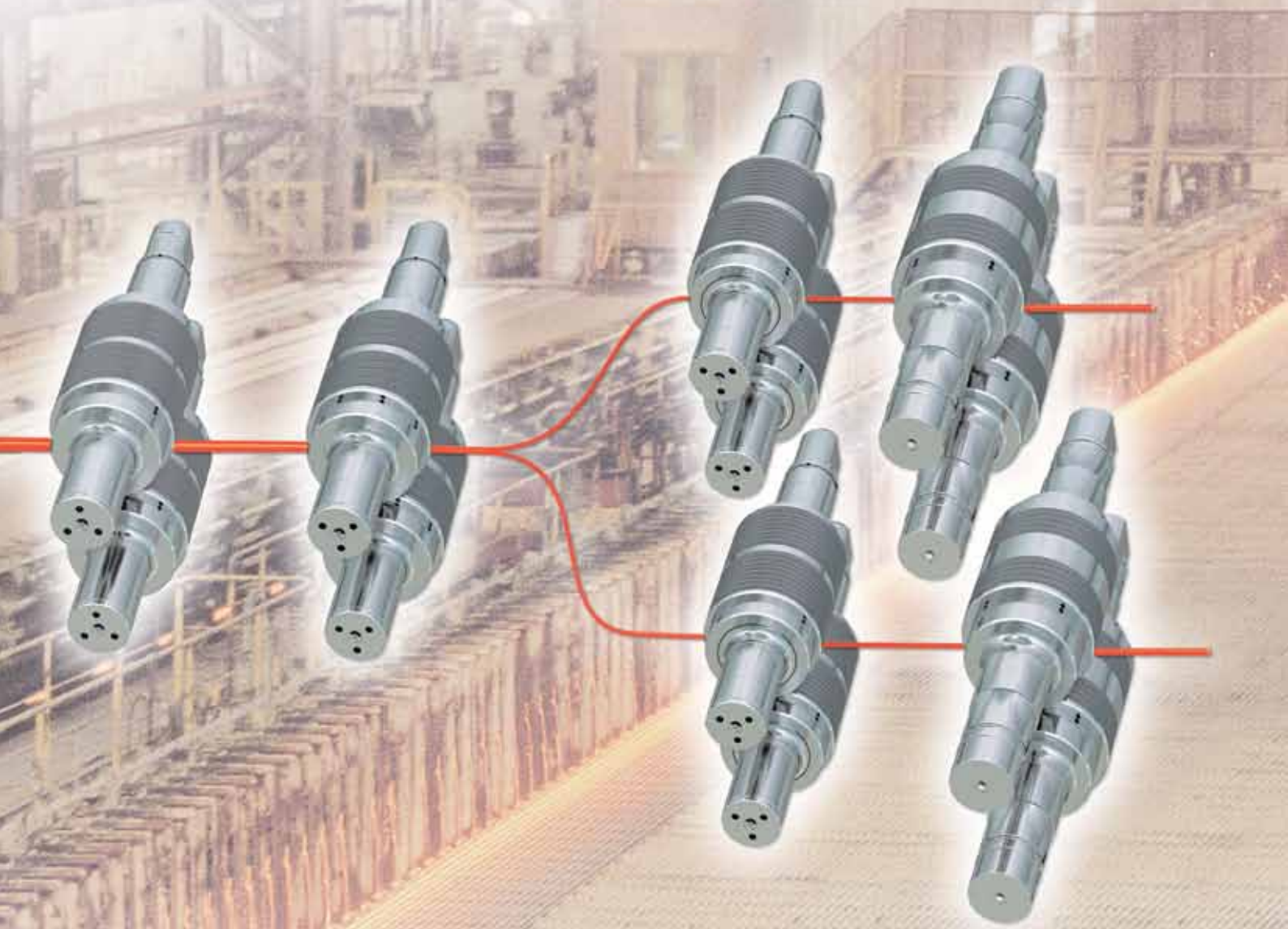
CompositeRoll[®]

- ▶ Minimum downtime for roll changes due to longer groove life-cycle with carbide rolls.
- ▶ Easy to assemble & disassemble.
- ▶ No slippage under extreme working conditions of high rolling torque & low rolling speed.
- ▶ Reduced mill downtime providing maximum productivity.

QuadSlitRoll[®]

- ▶ Improved grades which eliminate chipping at the sharp edge of Dog-bone & Slitting grooves.
- ▶ Superior quality / longer groove life than steel rolls.





2 Slit



4 Slit



Dog-bone

Slit

Oval

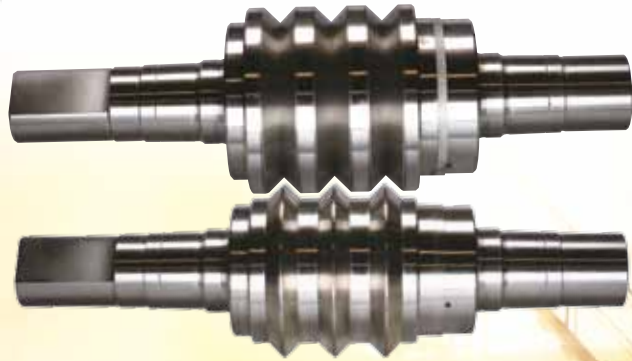
Notch

CARBIDE ROLLS

NEW APPLICATIONS

SectionRoll[®]

Angle Bars



Flat Bars



TubingRoll[®] for Hot Rolling

► Guarantees quality improvements with excellent surface finishes.



DIE & ANVIL/PUNCHES

TaeguTec is a specialized supplier of high pressure hardmetal toolings.

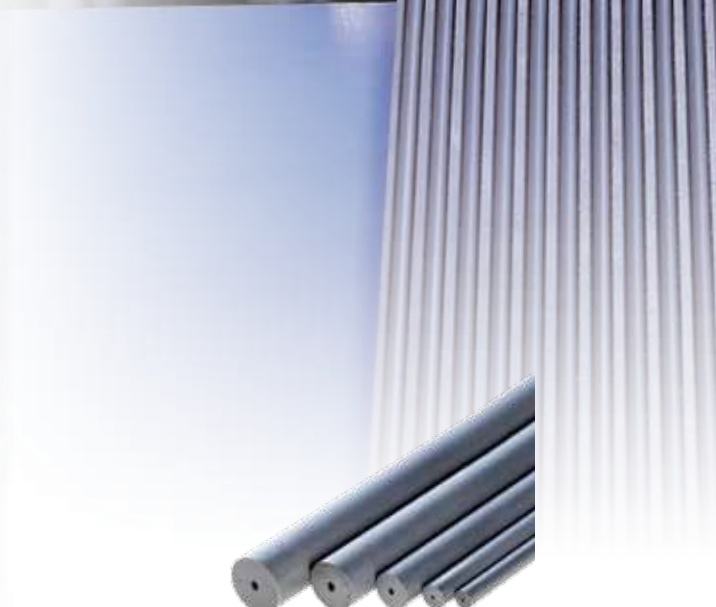
- ▶ TaeguTec Die & Anvil are used extensively in high pressure applications such as industrial synthetic diamond: CBN, PCD, PCBN, etc.
- ▶ These high pressure tools are used in extreme environments of up to 50 kbar and at temperatures in excess of 1,400 degrees Celsius.
- ▶ TaeguTec has exceeded our customers' demands through our quality control system and innovative research and development.
- ▶ Various grades are ready to serve customer requirements.



CARBIDE RODS

RODS WITH COOLANT HOLE

► TaeguTec's state-of-the-art extrusion technology makes it possible to hold high accuracy and consistent quality of through coolant rods for hole making tools.



One hole straight coolant rods



Two hole straight coolant rods



Two hole and three hole 30 degree coolant rods



Two hole 40 degree coolant rods



Gun drill blanks



RODS WITHOUT COOLANT HOLE

► TaeguTec's advanced sinter HIP process is suitable for all types of rods and enables them to have more stable and consistent quality.



Unground Long & Short Rods



Ground Long & Short Rods



Step-formed & Chamfered



Ball End Mill Blanks

WEAR PARTS



CARBIDE WEAR-PARTS

PREFORM

- ▶ Excellent deformation resistance due to high compressive & impact strength.

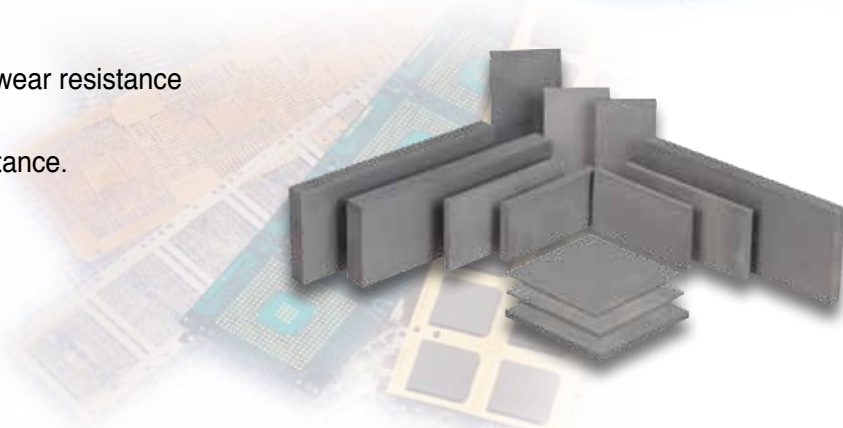


PLATE

- ▶ High cutting-edge strength & good wear resistance by using fine & ultrafine WC.
- ▶ High deformation & deflection resistance.

APPLICATION

- Stamping die & punch for lead frame, connector, switch and relay.



CAN MAKING MOLD

- ▶ Excellent deformation resistance thanks to high compressive strength.

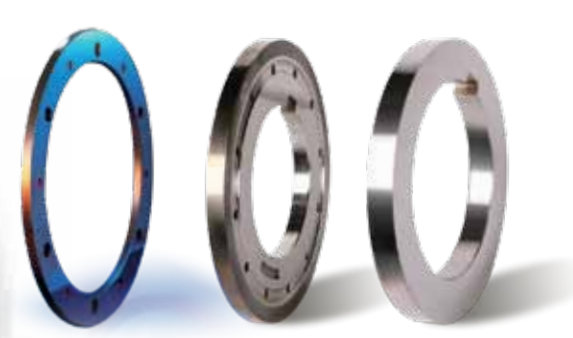
APPLICATION

- Stamping molds for 2-piece can and 3-piece cans
- Stamping molds for aerosol cans



KNIFE

- ▶ Longer tool life with high impact strength, high tensile strength & wear resistance.



Slitting & Others

CERAMIC WEAR-PARTS

AS10 Silicon Nitride Ceramics

- ▶ High strength and fracture toughness.
- ▶ High hardness at elevated temperature.
- ▶ Excellent high-temperature strength.

APPLICATION

- Pin-chucks, guide rolls
- Pins and jigs for heat treatment
- Gate blocks for aluminum casting
- Dies for hot extrusion and drawing



AC10 Silicon Carbide Ceramics

- ▶ High wear resistance and corrosion resistance.
- ▶ Low thermal expansion coefficient and friction coefficient.

APPLICATION

- Mechanical seals, bearings
- Parts for valves and pumps
- Jigs for semiconductor equipment and furnace parts
- Grit-blast nozzle liners
- Various bulletproof products
- Thermocouple protection tubes and high temperature liners (parts of waste incinerators)



AB30 Al₂O₃-TiC Ceramics

- ▶ High strength, hardness and fracture toughness.
- ▶ Low friction coefficient.
- ▶ Uniform performance and durability.

APPLICATION

- Magnetic heads for hard discs
- Paper sliders
- Parts requiring higher strength and hardness than alumina at room temperature



Industrial Products



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INDUSTRIAL PRODUCTS

