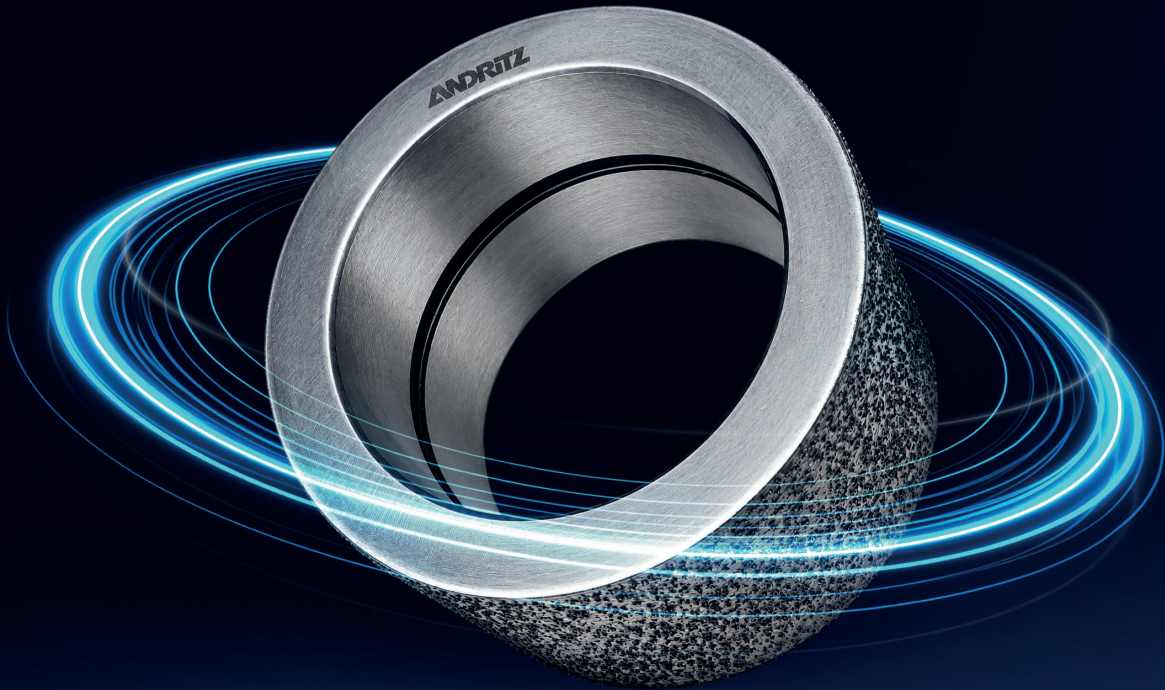




Outlast standard steel in the most abrasive pelleting conditions

TUNGSTEN CARBIDE ROLLER SHELLS FOR PELLET MILLS



Industries that process abrasive raw materials can have significant impact on the life span of roller shells in pellet mills. Standard shells wear fast, performance can drop, and regular replacements interrupt production.

Tungsten carbide roller shells are built to handle this load, keeping your process stable and running longer. They resist heavy wear, reduce surface damage, and maintain tight tolerances even in the harshest environments.

MADE FOR OPTIMAL PELLETING OF ABRASIVE RAW MATERIALS



BIOMASS



ANIMAL FEED



WASTE



AND OTHERS

CUSTOMIZABLE DESIGN

A wide range of shell profiles and surface textures are available for your specific raw material usage, die geometry, and production targets.

BENEFITS

UP TO
40%

less maintenance and downtime



up to 6x longer
service lifetime



Less roll
slippage



Reduced die
wear variation



Stable pellet
quality

ANDRITZ

Optimize pellet mill performance

Tungsten carbide roller shells last up to 6x longer than normal steel in abrasive applications

Where downtime has a direct impact on production output, and where maintenance windows are limited or difficult to schedule, extending component lifetime becomes critical.



HIGH HARDNESS

Tungsten carbide reaches up to HRC 70–75, approaching diamond-level hardness. This exceptional surface hardness helps withstand constant abrasion and significantly reduces wear in demanding, high-throughput applications.



CORROSION RESISTANCE

In addition to wear resistance, tungsten carbide performs reliably in environments with moisture, chemicals, and aggressive raw materials. This helps maintain stable performance even when raw material quality varies.



BALANCED MATERIAL DESIGN

The shell combines an extremely durable outer layer with a tough and resilient core structure. This balanced material design helps absorb mechanical stress, resist cracking, and maintain stable performance under demanding production conditions and continuous load.



BEST SUITED FOR OPERATIONS WITH:

- High production hours (>6,000 h/year)
- Abrasive raw materials
- Frequent wear with standard shells
- High downtime costs
- Limited maintenance windows
- Stable pellet quality requirements

**ALWAYS ON.
ALWAYS AHEAD.**



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