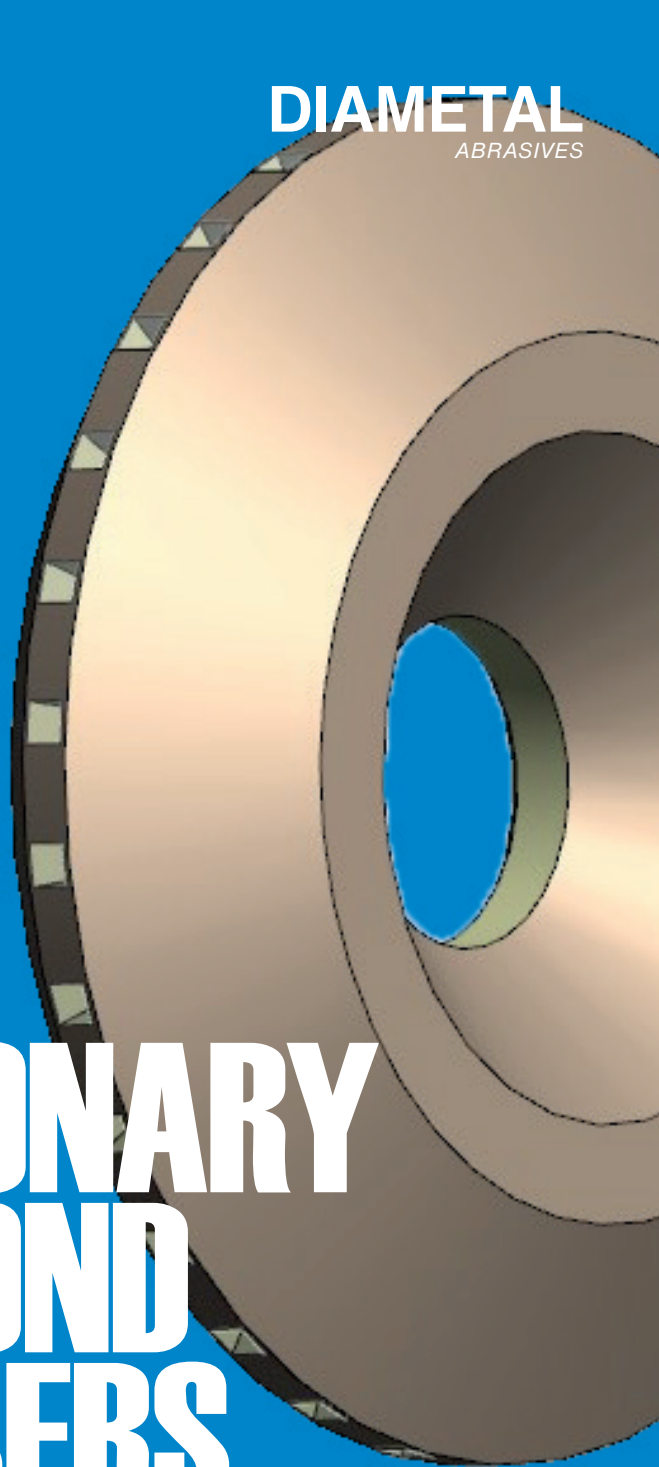


DIAMETAL
ABRASIVES



STATIONARY DIAMOND DRESSERS

STATIONARY DIAMOND DRESSERS

INDUSTRY:

Precision Grinding, Automotive, Aerospace, Machine, Mechanics

MACHINED MATERIALS:

Grinding wheels based on aluminum oxide and silicon carbide

DESCRIPTION:

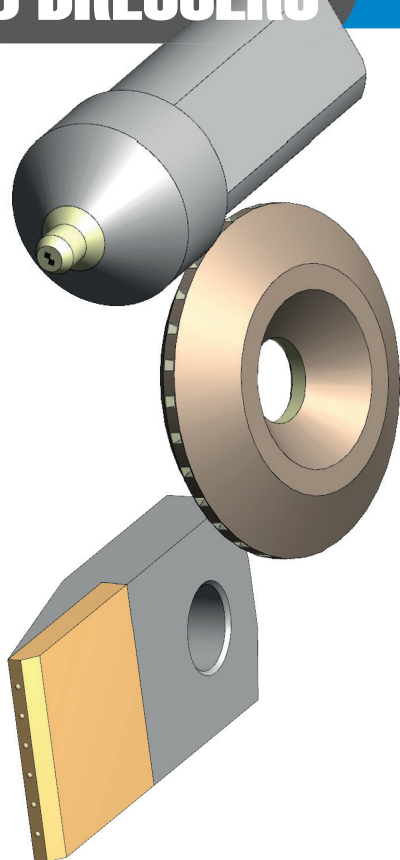
Stationary diamond dressers are used to true and condition grinding wheels, ensuring defined geometry, cutting ability and process-ready wheel conditions. During dressing, the wheel profile is generated and the surface is conditioned by removing bond material, worn grains and loading. This creates a defined cutting structure and ensures dimensional accuracy as well as consistent grinding performance.

FEATURES & BENEFITS:

- ▶ Ensures dimensional accuracy and controlled grinding behavior
- ▶ Enables efficient material removal and stable grinding conditions
- ▶ Supports consistent results in production environments
- ▶ Different dresser types allow matching to grinding task and wheel specification
- ▶ Improved surface through controlled dressing parameters

Key Influencing Factors

- ▶ Grinding wheel material and grain size
- ▶ Bond type and structure (open vs. dense)
- ▶ Cooling strategy and coolant delivery
- ▶ Machine setup and rigidity
- ▶ Dressing parameters (infeed, lead, contact ratio)



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