



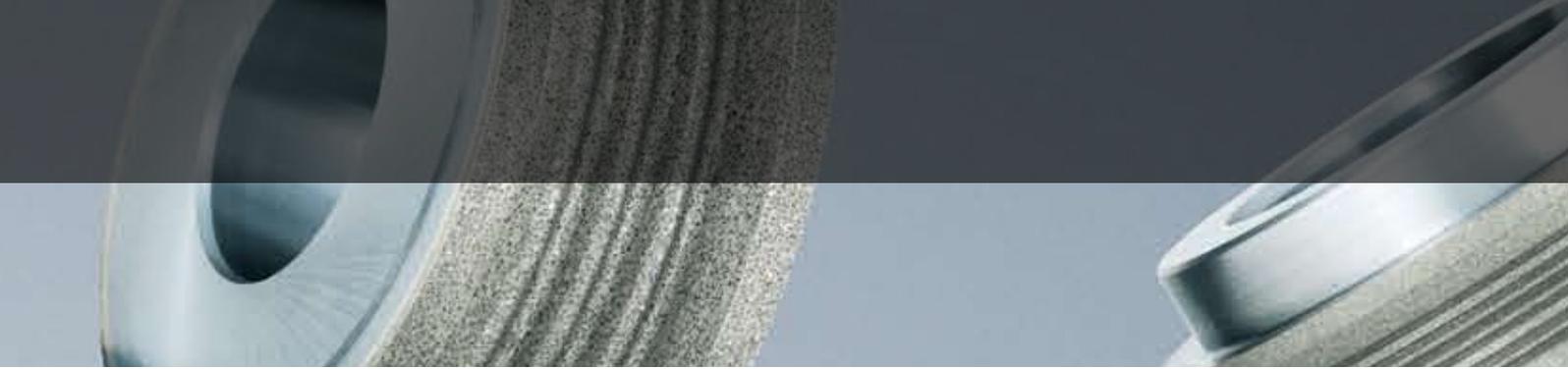
DIAMOND ROLLER DRESSER

ENGINEERING EXCELLENCE AND QUALITY

- High profile accuracy
- Reduced dressing costs
- Long service life

A Company within the SWAROVSKI Group

TYROLIT



TYROLIT DIAMOND ROLLER DRESSERS

ENGINEERING EXCELLENCE AND QUALITY

The TYROLIT factory in Neuenrade, Germany, was expanded in 2008 to include a production facility for diamond roller dressers. The high level of training and long-standing experience of our staff in the manufacture of precision tools guarantees expert advice and ensures that the grinding system will be professionally matched to the process. Thanks to the latest manufacturing, processing and measuring techniques, we are able to guarantee the highest quality and precision. The shortest lead times and speedy, unbureaucratic attention to customer requests round off the service offering of this production unit.

A complete grinding system from a single source

The function of a profile roller dresser is to achieve a geometric profile and the desired wheel topography. The coordinated system of the TYROLIT diamond roller dresser with the corresponding grinding wheel reduces thermal stress on the workpiece, enabling you to achieve optimum grinding results.

Broad field of application

TYROLIT diamond roller dressers are used mainly in the turbine, automobile and tool manufacturing industries.



Profile roller dresser used in the turbine industry

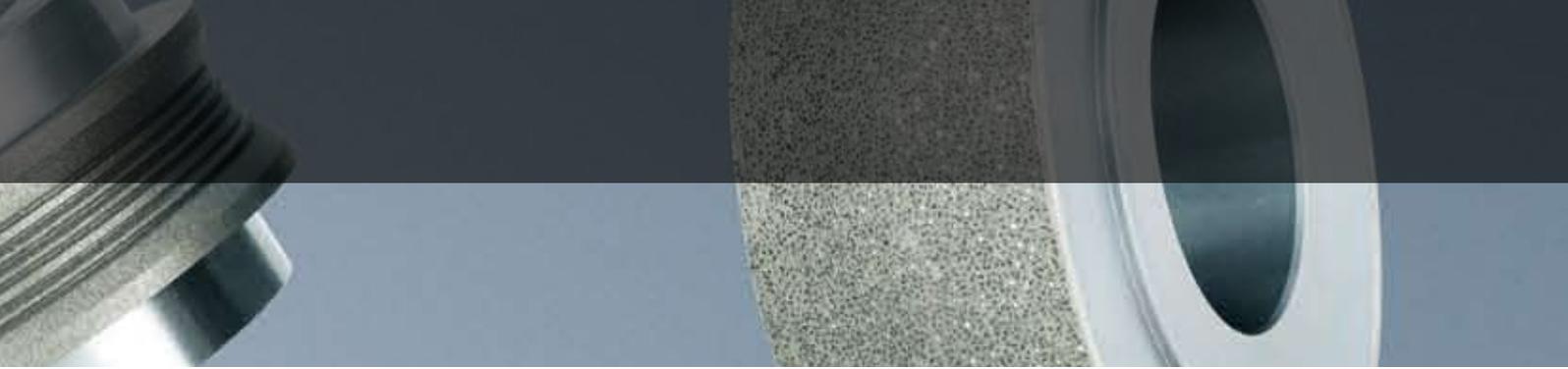
TYROLIT diamond roller dressers are ideal for the following grinding processes:

- CD / non CD (Continuous Dressing)
- HSCD (High Speed Continuous Dressing)
- IPD (In Process Dressing)
- High-speed pendulum grinding

Available sizes*

External diameter	up to 200 mm
Profile width of single roller	up to 210 mm

* Other sizes available on request.



TYROLIT DIAMOND ROLLER DRESSERS FOR MAXIMUM PROFILE ACCURACY AND DIMENSIONAL PRECISION

TYROLIT diamond roller dressers are manufactured by the reverse plating process. This production method allows the largest possible diamonds to be used and guarantees maximum profile accuracy and dimensional precision with minimal wear.

TYROLIT guarantees documented quality

TYROLIT diamond roller dressers are subjected to quality control throughout the entire production process. Only in this way can shape, position and profile tolerances with micron accuracy be reliably assured. Modern measuring processes document the quality achieved with each individual roller dresser. Every TYROLIT diamond roller dresser is supplied with a test piece and a test certificate.



TYROLIT: YOUR COMPETENT PARTNER



Competence

TYROLIT offers grinding and dressing tools that are optimally matched to one another. A team of experienced application engineers can be deployed anywhere in the world to optimise the entire grinding process.



Service

TYROLIT sales engineers and application specialists offer our customers long-lasting solutions which meet the highest commercial expectations. As your system partner, TYROLIT excels through flexibility, speed and performance.



Training

Our expertise in grinding engineering is a key element of successful collaboration. TYROLIT offers training to customers on site or at our Tech-Center in Schwaz, Austria.

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Our **worldwide subsidiary companies** can be found on
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