

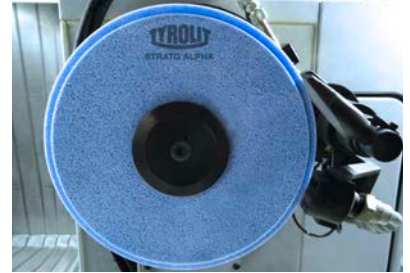
STRATO ALPHA

Vitrified bonded high performance grinding tools
for surface and creep feed grinding

STRATO ALPHA

Tyrolit's STRATO ALPHA sets a further milestone in the economical production of turbine blades. Thanks to the new ALPHA technology, these vitrified bonded high-performance grinding wheels provide an exceptionally long lifetime, high profile retention and a particularly cool grinding performance.

Application
STRATO grinding of turbine components



+ **Increased lifetime:** The new combination of grit quality, geometry and integration provides low grinding wheel wear. This significantly increases the lifetime of the tools.

+ **Cool grinding:** The highly porous bonding system improves the absorption of cooling lubricants. Specially developed abrasive grains ensure reduced heat generation on the workpiece.

+ **Environmentally friendly:** The new STRATO ALPHA is environmentally friendly, meaning it has been produced without the use of organic fuel, and consumption optimised combustion curves. This makes it possible to significantly reduce CO2 emissions during production.



+ **Reduced grinding time:** The improved properties of the STRATO ALPHA bonding system extensively increase the stock removal rate compared to other grinding wheels on the market.

Application example

Grinding of a guide vane for a stationary turbine
STRATO ULTRA SU33A 60 HH 11 P VB1
STRATO ALPHA SAA9A 60 HH 11 W VK5

Increase of **capacity** by 20%



Increase of **lifetime** by 25%



ALPHA-technology at a glance:

- New grain quality with Tyrolit technology
- New grain geometry with Tyrolit technology
- Assured quality through in-house grain production
- Adapted high strength binding system