

Tool grinding

# The Liquid Tool<sup>®</sup>



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BOOSTS YOUR PRODUCTIVITY

The Liquid Tool<sup>®</sup> boosts your productivity...

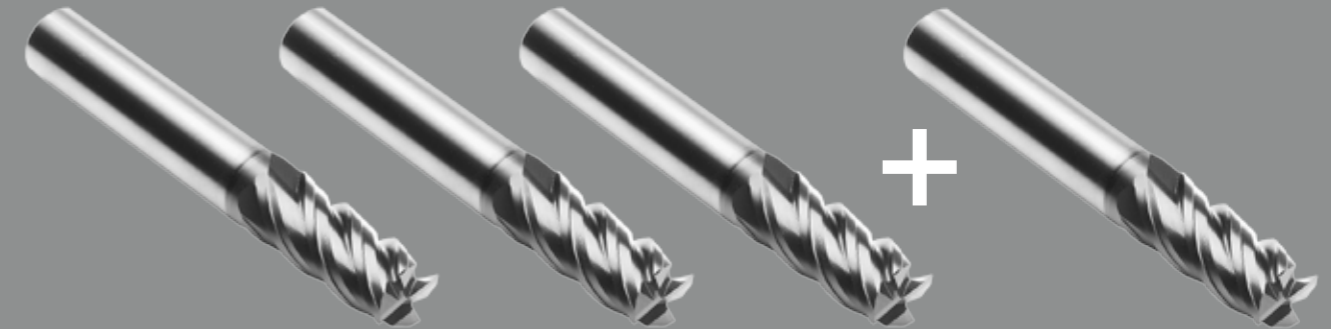
Grinding machine

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Plus<sup>+</sup> tools produced



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**Production benefits:**

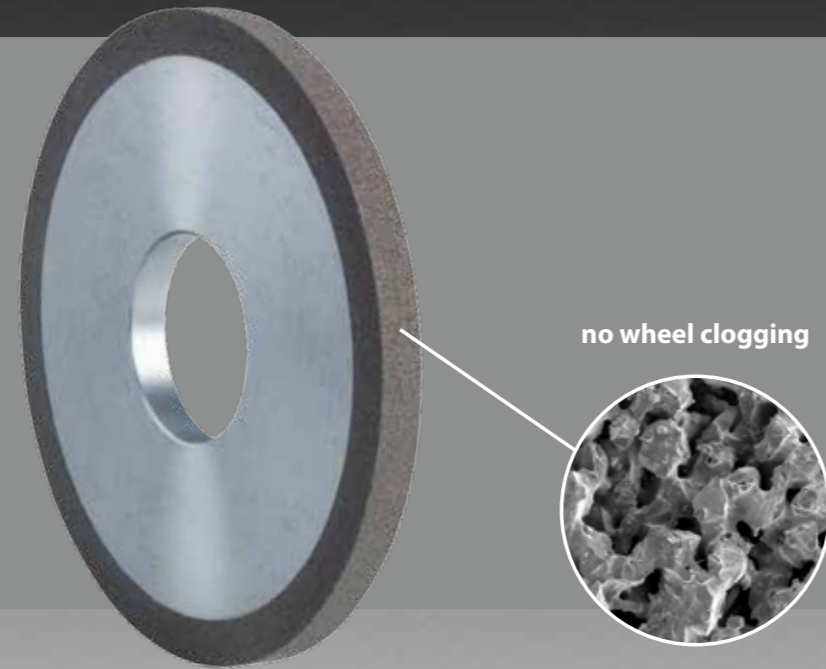
- more parts per machine hour
- gain machine time
- less down time

**Investment benefits:**

- better return on machine investment
- lower maintenance costs
- longer grinding fluid life

# Grinding wheels:

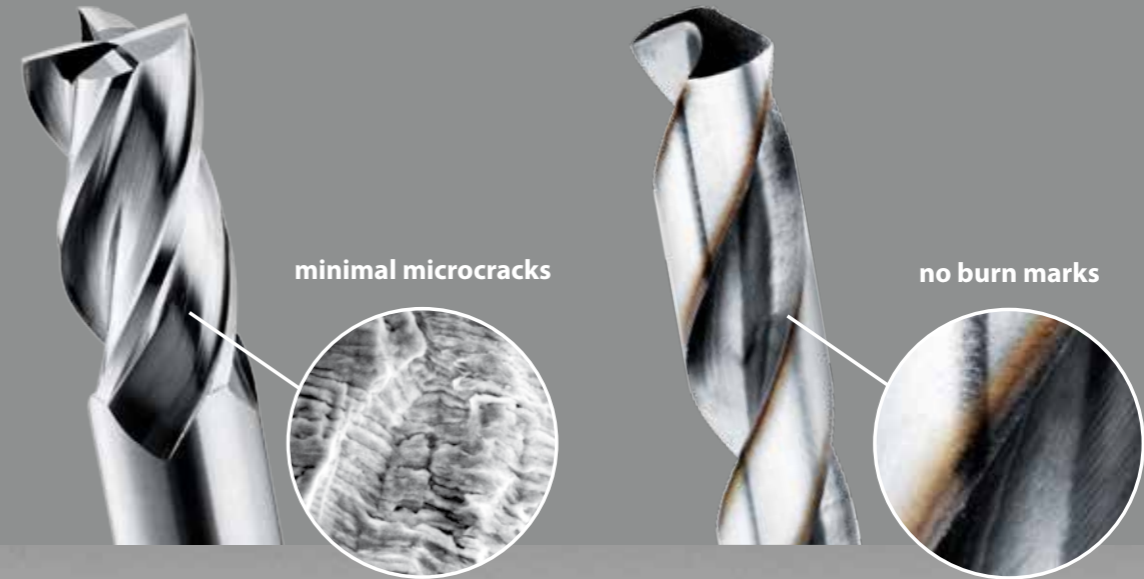
Plus+ productivity



- Self-sharpening effect:** – higher material removal rates thanks to continuous self-sharpening of the wheel
- Cutting ability:** – efficient flushing prevents wheel clogging
- Added grinding wheel value:** – more parts per dress, longer wheel life  
– optimised production

# Workpiece

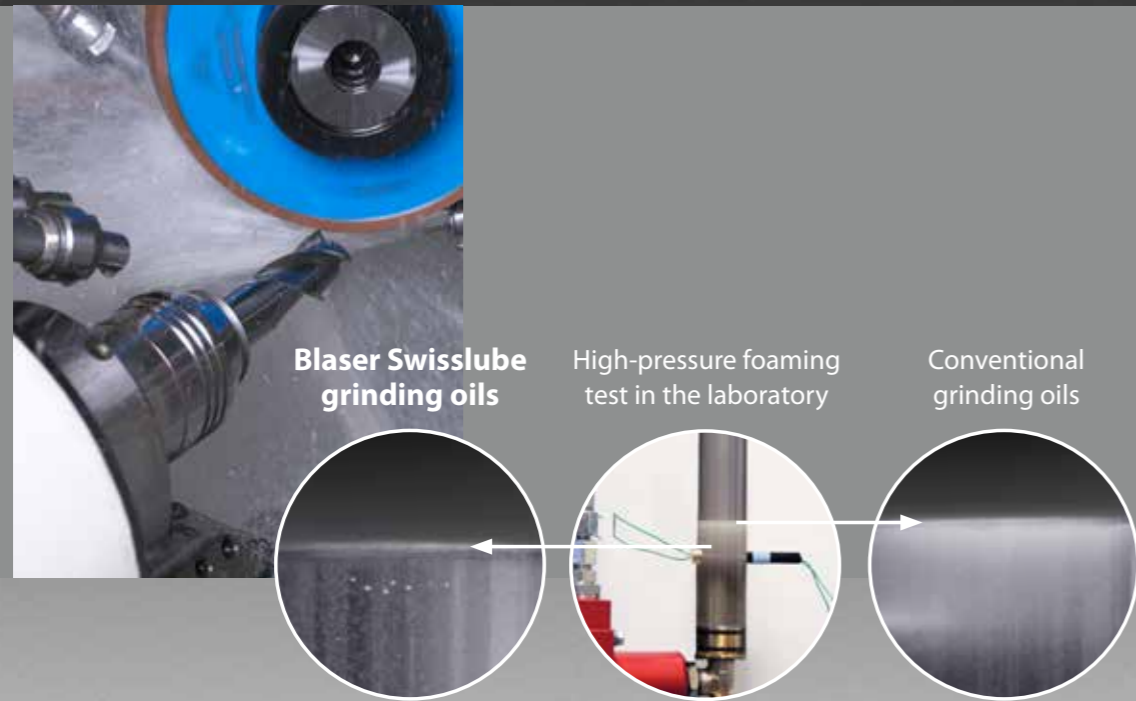
Plus+ workpiece quality



- Carbide grinding:** – minimal microcracking thanks to special additives in our grinding oil
- HSS grinding:** – less risk of burn marks, even at high removal rates
- Production benefits:** – higher removal rates  
– shorter cycle times  
– consistently high surface quality

Less foaming:

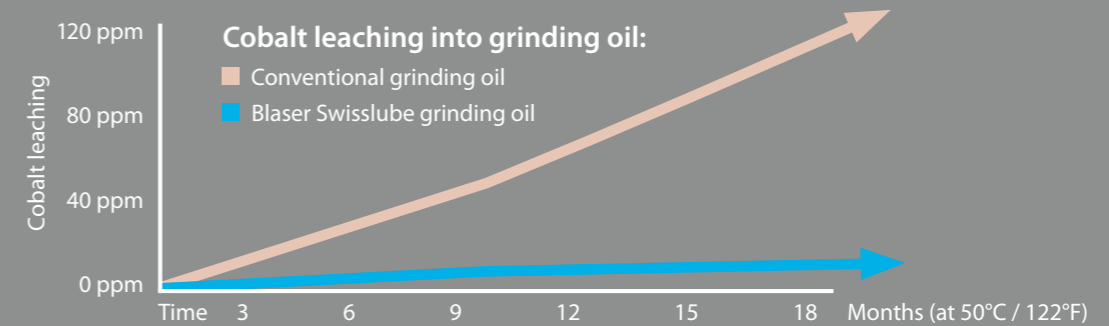
Plus+ foam-free



Reduced foaming even at high pressures and high peripheral speeds. This improves flushing and cooling.

Workplace safety

Plus+ no cobalt leaching



During carbide grinding cobalt can be leached with conventional grinding oils. Cobalt negatively affects human health as well as tool coating adhesion. Our grinding oils are specially inhibited to prevent this.

## Work environment



Workplace safety thanks to high flashpoint and negligible oil vapour emissions – no misting, no odour – makes for a safe and user-friendly work environment.

## Industry approvals

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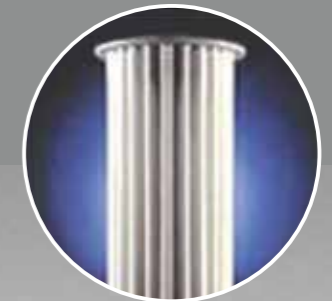
Product approvals by the leading machine-tool manufacturers



Product approvals by the leading filter manufacturers



Back-flushing cartridge filter

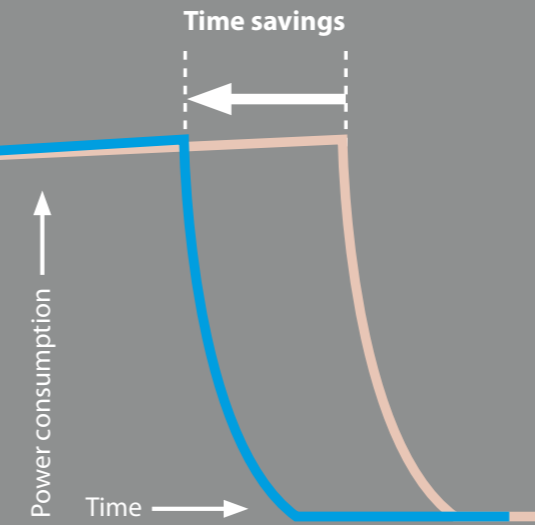


Edge filter system

Efficient cooperation with our customers, machine-tool and filter system manufacturers is the basis of our success.



## Plus+ in feed rate



Faster feed rates thanks to lower workpiece temperatures because of less friction.

Faster feed rate (= time savings) means greater productivity.



Blaser Swisslube has developed a new grinding oil product line through hundreds of grinding tests and laboratory analyses.

Our product development is driven by the requirements of our customers – who supported our grinding fluid R&D team with numerous tests on their grinding machines.

# Product lines

# Services

Our tool-grinding oil product lines are:

## Blasogrind ■

- cost-effective start-up product
- good grinding performance
- good human and machine compatibility

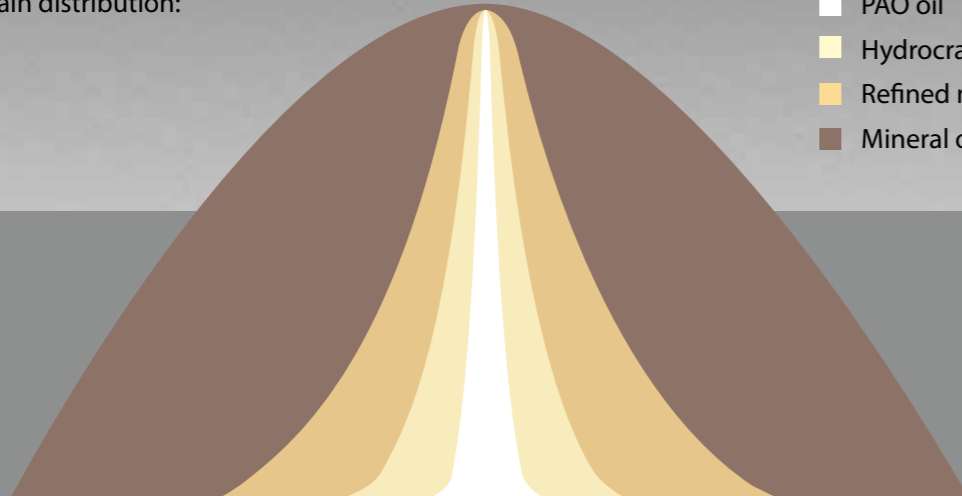
## Blasogrind HC ■

- excellent grinding performance
- high flashpoint
- low misting
- very good human and machine compatibility
- colourless and transparent

## Blasogrind PAO ■

- excellent grinding performance
- high flashpoint
- low misting
- excellent human and machine compatibility
- colourless and transparent

Molecular chain distribution:



- PAO oil
- Hydrocrack oil
- Refined mineral oil
- Mineral oil

Our field professionals and laboratory specialists provide support to ensure the safe and dependable use of our grinding fluids.



Services to ensure long and dependable use of our grinding oils.

Globally, we are there for you



From our headquarters in Hasle-Rüegsau, Switzerland and throughout the world -  
from our 15 subsidiaries and network of factory trained distributors in over 60 countries.



We look forward to  
working with you!



In partnership with Blaser Swissslube, our customers receive not simply products but liquid tools  
exploiting the full potential of both machine and tooling, thus boosting their productivity.

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ISO 9001/14001/21469 OHSAS 18001 certified





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