

Tool grinding

The Liquid Tool[®]



The Liquid Tool[®] boosts your productivity...



Grinding machine:

Plus+ tools produced



Production benefits:

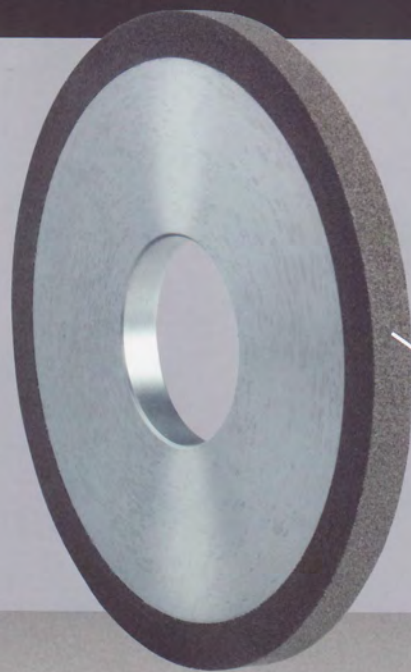
- more parts per machine hour
- gain machine time
- less down time

Investment benefits:

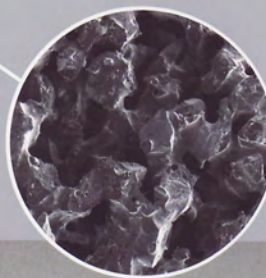
- better return on machine investment
- lower maintenance costs
- longer grinding fluid life

Grinding wheels:

Plus+ productivity



no wheel clogging



Self-sharpening effect:

- higher material removal rates thanks to continuous self-sharpening of the wheel

Cutting ability:

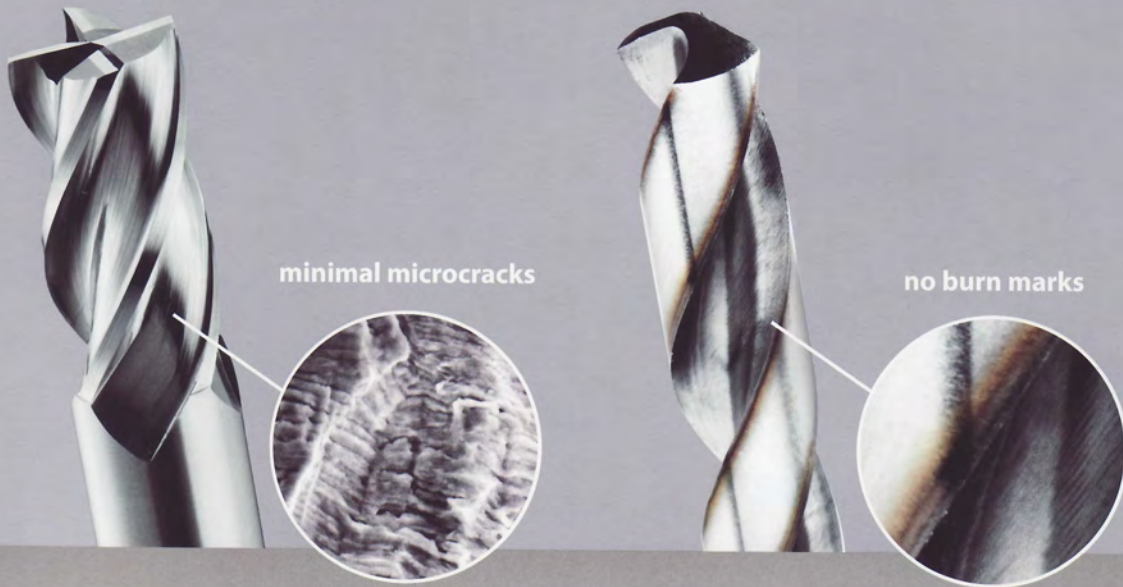
- efficient flushing prevents wheel clogging

Added grinding wheel value:

- more parts per dress, longer wheel life
- optimized 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:

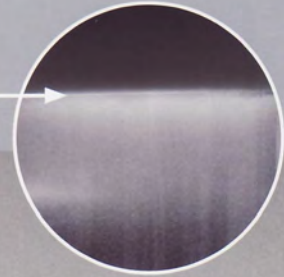
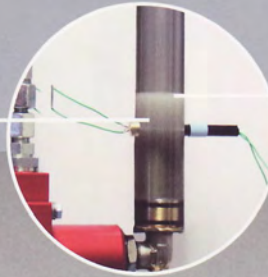
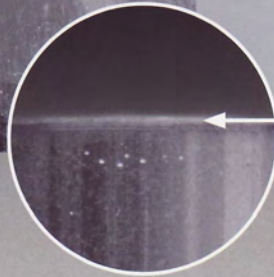
Plus+ foam-free



**Blaser Swisslube
grinding oils**

High-pressure foaming
test in the laboratory

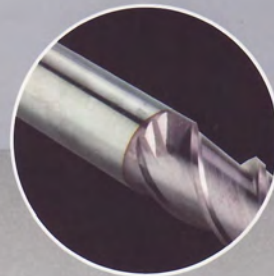
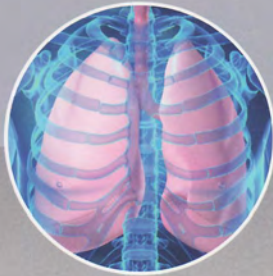
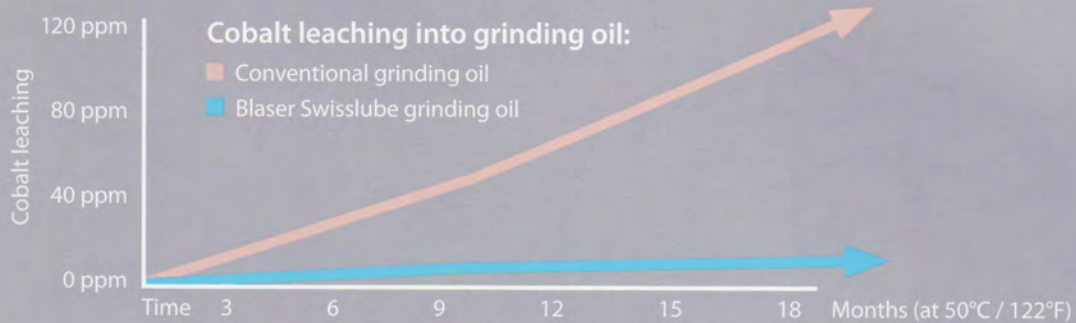
Conventional
grinding oils



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 vapor emissions – no misting, no odor – makes for a safe and user-friendly work environment.

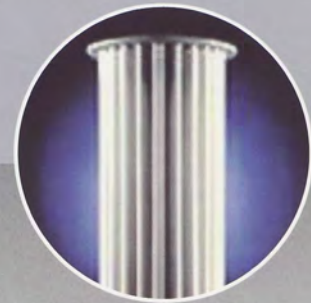
Industry approvals

Product approvals by the leading
machine-tool manufacturers

Product approvals by the
leading filter manufacturers



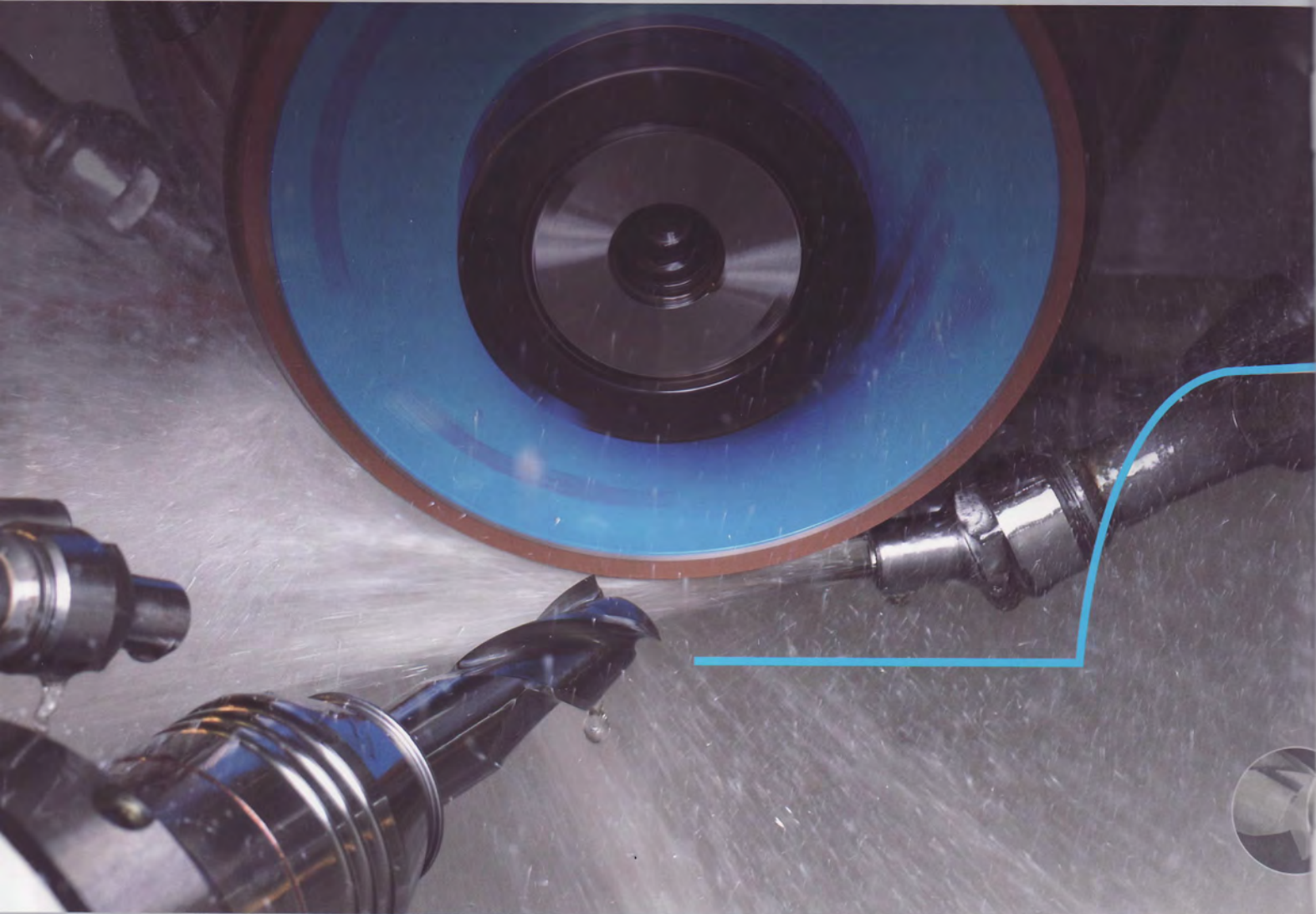
Back-flushing cartridge filter



Edge filter system

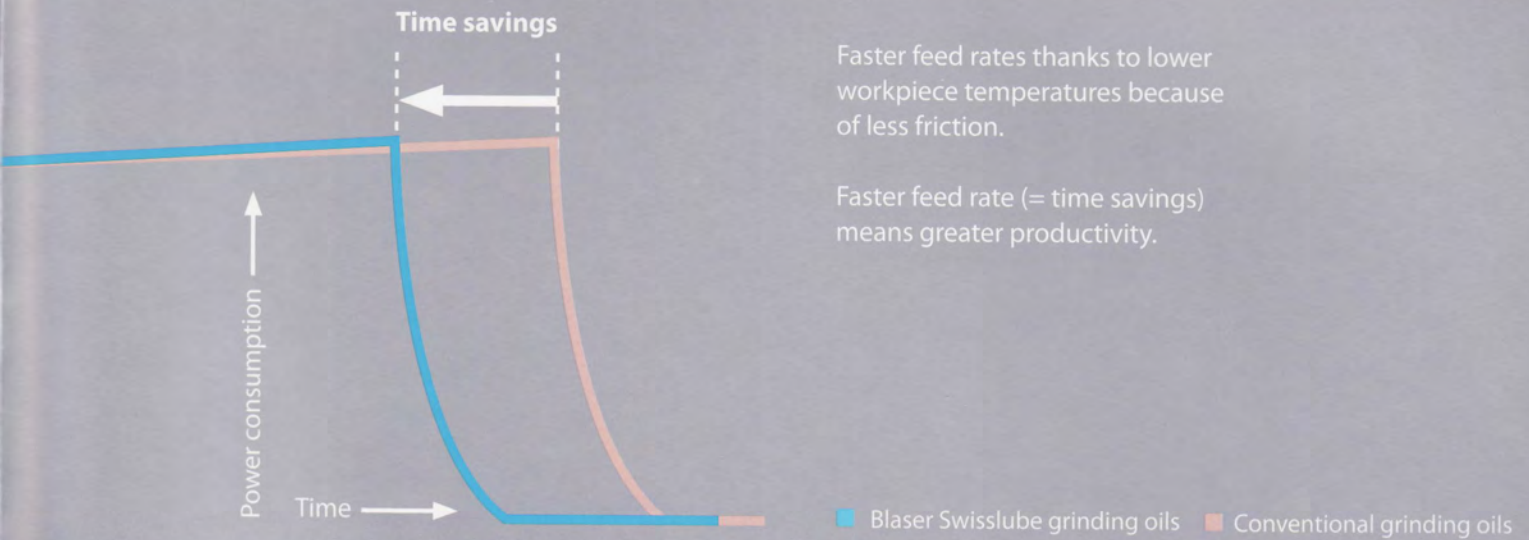
Efficient cooperation with our customers, machine-tool and filter system manufacturers
is the basis of our success.

Industry-oriented product development



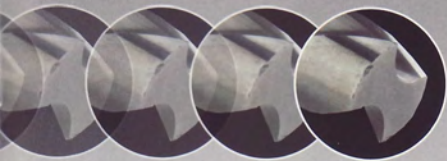
Our product development is driven by the requirements of our customers – who supported our grinding fluid R&D team with numerous tests on their grinding machines.

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.

Product lines

Our tool-grinding oil product lines are:

Blasogrind ■

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

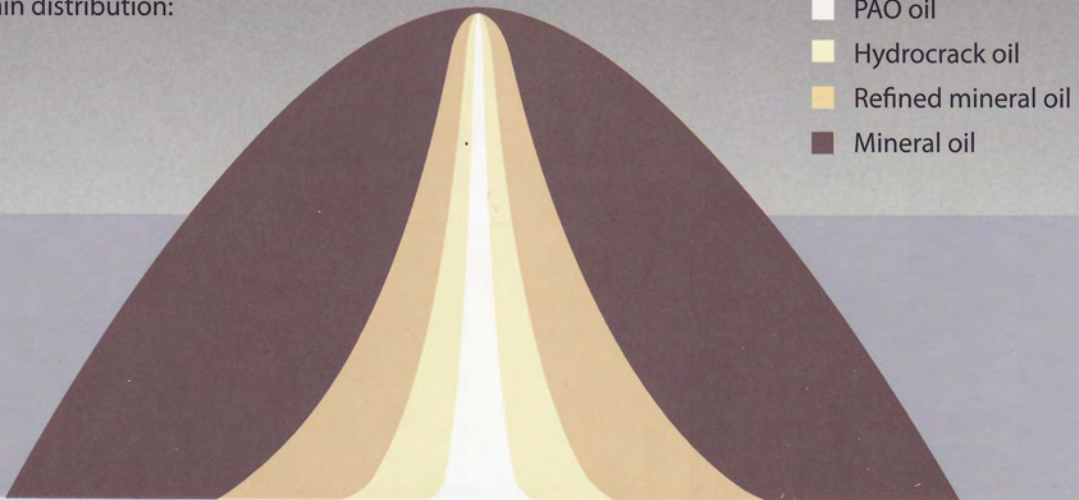
Blasogrind HC ■

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

Blasogrind PAO ■

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

Molecular chain distribution:



Services

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

IR

RFA

HPLC

HPTLC

LC/MS

GC/MS

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 11 subsidiaries and network of factory trained distributors in over 50 countries.

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



We look forward to
working with you!



Rico Pollak
Head of Grinding Technology

SGS ISO 9001:2008 Certificate US05/0283

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