

Blaser.

SWISSLUBE



TOOLING & MACHINERY

COMPLETE METALWORKING SOLUTIONS

(800) 991-4225

www.ahbinc.com

ISO Certified

customerservice@ahbinc.com

B-COOL MOTECH 501

Gaining Instant Momentum in the Global Automotive Industry

High Volume Automotive for APAC

With test sites beginning in early 2021

Our global rollout of the first coolant designed specifically for the automotive segment 11/2022

Properties

- ☐ Modern water miscible metalworking fluid
- ☐ Novel chemical platform
- ☐ Optimized
 - Stability
 - Performance
 - Material compatibility
 - Foam control
 - Cleanliness
 - Process reliability
- ☐ Applicable in soft and hard water
- ☐ Suitable for single filled machines and central systems

Market Feedback

- ☐ Strong cutting performance
- ☐ Excellent foam control
- ☐ Clean machine and parts
- ☐ Great corrosion protection
- ☐ Safe for people and the environment
- ☐ Helps customer to minimize cost



Suitable Materials

- Aluminum
- Cast Iron
- Steel
- Stainless steel
- Sintered material



Suitable Applications

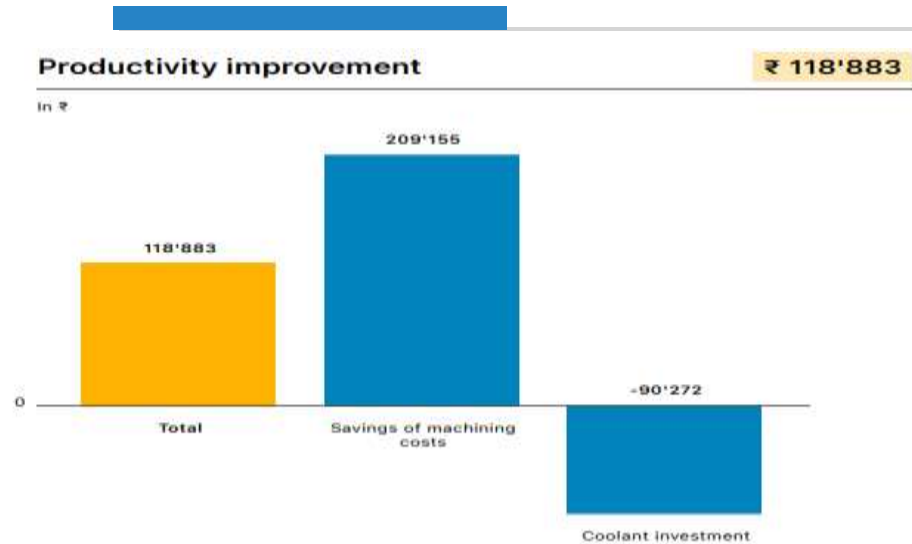
- Milling
- Turning
- Drilling
- Reaming
- Fine boring
- Thread cutting
- Thread forming



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Success Story – Productivity Improvement



References	Current product	Blaser Swisslube
Hourly rate machine (internal)	₹ 350.00	
Current cycle time	156.00 s	142.00 s
Production quantities	153,665 yr	

Economic analysis	Current product	Blaser Swisslube	Savings
Annual hours	6,658.82	6,061.23	597.59
Machining costs	₹ 2'330'586	₹ 2'121'431	₹ 209'155 9%
Coolant costs	₹ 46'128	₹ 136'400	-₹ 90'272 -19...



Industry Segment	Automotive
Application	Milling, Drilling & Tapping
Component	Rear Housing
Component Material	Aluminum Alloy
Type of Machine	VMC

Our Liquid Tool solution –

- Cost of machining reduced by 9%
- Clean machine
- No smell
- Good Human & Machine compatibility
- No foaming

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Value Proposition

- Productivity improvement
- Tool cost reduction
- Surface finish improvement
- Scrap reduction
- Overall cost reduction
- No foam
- Clean machines
- Safety of operators

Benefits

Best process reliability

Enables high cutting speeds and high pressures

No stain formation even on sensitive aluminum alloys

Long tool life

Clean machines and low consumption

Product properties

→ High emulsion stability

→ Low foaming in both soft and hard water

→ Good material compatibility

→ Strong cutting performance

→ Good rinsing behavior

The services in the drum

No.	Services
1	Water quality test Test for best product recommendation when water quality is not known. Recheck periodically.
2	Machine preparation (cleaning, rinsing and filling) Assist and provide know-how and do-how
3	Emulsion preparation Check and implement correct mixing procedure
4	Define the correct monitoring and maintenance of the product
5	Basic operators training Fluid monitoring and maintenance (tramp oil removal, microchip removal, mist collector cleaning etc.)
6	Follow-up contacts
7	On site troubleshooting Professional support for coolant related problem resolution