



B-Cool

Motec 501

Blaser.
SWISSLUBE

MOTEC-501

BENEFITS

- 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

MOTEC-501

PROPERTIES

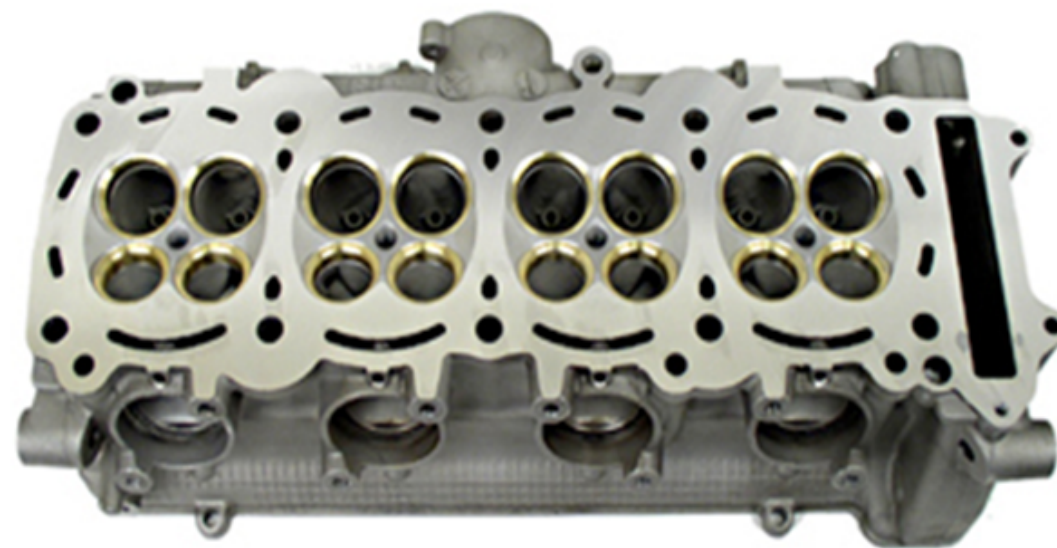
- Modern water miscible metalworking fluid
- Novel chemical platform
- Optimized
 - Stability
 - Performance
 - Material compatibility
 - Foam control
 - Cleanliness
 - Process reliability
- Applicable in soft and hard water
- Suitable for single filled machines and central systems

MOTEC-501 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

MOTEC-501 SUITABLE MATERIALS

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



MOTEC-501

SUITABLE

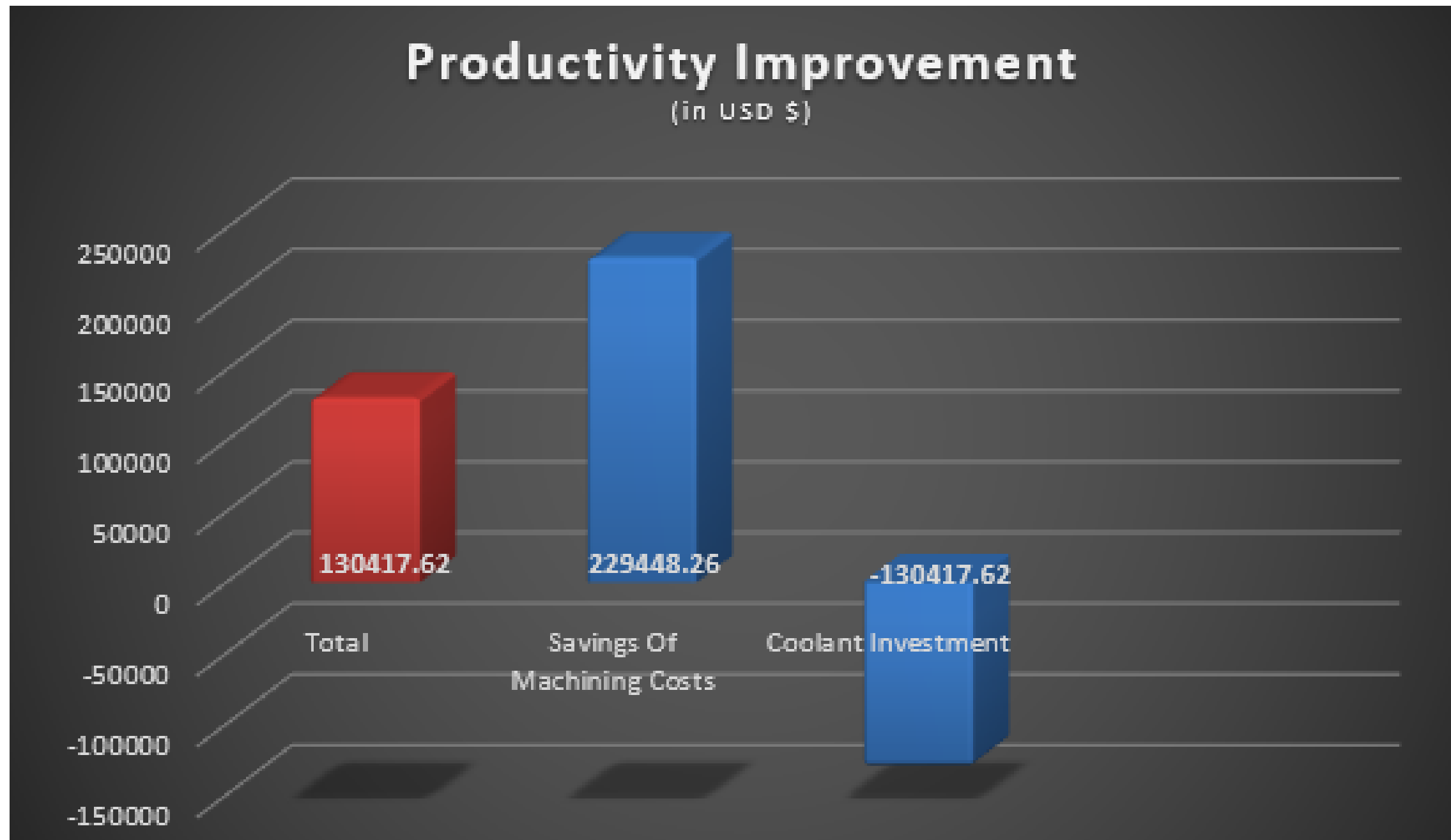
APPLICATIONS

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

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Success Story –

Productivity Improvement



Success Story –

Productivity Improvement

| References | Current Product | Blaser Swisslube |
|--------------------------------|-----------------|------------------|
| Hourly Rate Machine (Internal) | \$383.96 | |
| Current Cycle Time | 156.00s | 142.00s |
| Production Quantities | 153,665yr | |

| Economic Analysis | Current Product | Blaser Swisslube | Savings | % |
|-------------------|-----------------|------------------|--------------|------|
| Annual Hours | \$7,304.89 | \$6,649.32 | \$655.57 | |
| Machining Costs | \$256,249.68 | \$2,327,262.84 | \$229,448.26 | 9% |
| Coolant Costs | \$50,603.57 | \$149,634.21 | -\$99,030.64 | -19% |

Success Story –

Productivity Improvement

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



SUCCESS STORY – **PRODUCTIVITY IMPROVEMENT**

- Our Liquid Tool solution –
 - Cost of machining reduced by 9%
 - Clean machine
 - No smell
 - Good Human & Machine compatibility
 - No foaming

MOTEC 501

VALUE

PROPOSITION

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

VALUE PROPOSITION

Benefits

Product properties

Best process reliability

→ High emulsion stability

Enables high cutting speeds and high pressures

→ Low foaming in both soft and hard water

No stain formation even on sensitive aluminum alloys

→ Good material compatibility

Long tool life

→ Strong cutting performance

Clean machines and low consumption

→ 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 |