B-Cool

# Motec 501

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TOOLING & MACHINERY
COMPLETE METALWORKING SOLUTIONS

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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

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# 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

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# 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

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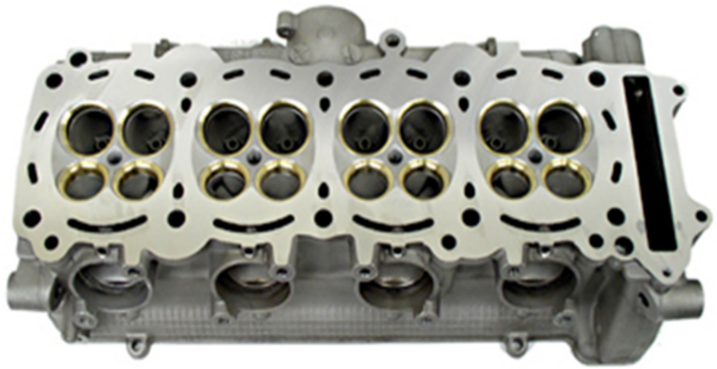
# SUITABLE MATERIALS

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



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# SUITABLE APPLICATIONS

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

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Success Story –

# Productivity Improvement


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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% |

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Success Story –

# Productivity Improvement

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

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SUCCESS STORY-

# PRODUCTIVITY IMPROVEMENT

- 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

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# 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 |

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## The services in the drum

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