CASTROL SYSTEM<sup>RT</sup>
AUTOMATED REAL TIME FLUID MONITORING

ADVANCED

YOUR ADVANTAGE IN AN INDUSTRIAL WORLD
A UNIQUE REAL TIME AUTOMATED MONITORING SYSTEM FOR METALWORKING FLUIDS

With the advanced technology of Castrol System®, you can have your own automatic analytical laboratory on-site, working constantly and unattended to bring you real time reports on the precise condition of your Castrol metalworking fluids. Castrol System® provides a complete chemical profile with real time data downloaded directly to a USB drive to give you a powerful and cost effective tool for metalworking fluid management.
CASTROL SYSTEM™ RT UNIQUE FEATURES

- **24/7 automatic monitoring** for continual system trending
- **Comprehensive test suite** includes microbiological activity reading
- **Multi-sump capability** – up to four systems simultaneously
- **Automatic cleaning** and calibration cycles
- **Data segregated** into trend analysis for each sump
- **Spec limits and control limits** for each sump
- **Output direct to USB drive** or review data on screen
- **Proactive** metalworking fluid performance management

**IMPROVED SYSTEM PERFORMANCE WITH REAL TIME MONITORING**

**The advantages of instant data**
Waiting days for off-site laboratory results means your system can continue to deteriorate. What’s more, samples can change their chemical profile during transport and storage, giving results that don’t accurately reflect conditions at the time of sampling.

Castrol System™ RT gives real time readings that can be acted on immediately for increased metalworking fluid stability whatever the system dynamics. This allows precise application of tank side additives to optimise usage without compromised performance and provides opportunities for cost savings.
REAL TIME HEALTH CHECK FOR CONTINUOUS OPTIMAL PERFORMANCE

Monitoring up to four central metalworking fluid systems continuously, Castrol System™ utilizes technology that correlates with laboratory test methods.

Its flexible capability suits a wide range of plant conditions and measures a comprehensive range of performance indicators. The Castrol System™ test package is most applicable to semi-synthetic and synthetic metalworking fluids to maintain them within optimum working limits.

**Castrol System™ performance indicator measurements**
- pH
- Temperature
- Microbiological activity
- Conductivity
- Concentration by Refractive Index
- Concentration by Alkalinity Titration

**Castrol System™ trending and reporting**
- Historical reporting
- Control limits
- Spec limits

**REAL TIME MONITORING OF MICROBIOLOGICAL ACTIVITY**
Castrol System™ is the only technology to include real time microbiological activity reading (BAR). Not only can you take instant remedial action, you can also monitor its impact. By calculating more accurately the most effective biocide additions, you reduce the risk of over or under dosing with expensive chemical additives. What’s more, Castrol System™ minimises the need for sampling and reduces operator contact with metalworking fluids or chemicals.

**REAL TIME PERFORMANCE ENHANCEMENT**
Real performance improvements in metalworking fluids only come from continuous monitoring and corrective action. Castrol System™ keeps working, unattended, 24/7, to bring you information you can access anytime. This proactive fluid management process will reduce costs, improve performance and enhance the health and safety for plant and operators alike.

Castrol System™ is another example of our ongoing commitment to offering the most advanced solutions available. Along with best-in-class products, unrivaled application expertise and a world-class approach to service, we want our success to be measured by our customers’ success.