



QH FLUIDCONTROL™

Take Control. Automatically.

QH FLUIDCONTROL™ LMS

Lubricant Management System

An integrated, closed-loop system engineered to automatically measure and control emulsion concentration in major rolling mill applications. QH FLUIDCONTROL™ LMS provides real-time monitoring and automated control of critical lubricant parameters to ensure consistent emulsion quality, optimal rolling performance and reduced operating costs.

Designed as a bypass unit, LMS integrates seamlessly into existing emulsion piping systems and dosing equipment while managing up to three emulsion systems simultaneously.

Typical Applications:

- Rolling mills, including [Aluminium hot rolling](#), [Steel cold rolling](#)
- Centralized and multi emulsion rolling mill systems
- Mills requiring precise, automated emulsion control

Key Capabilities:

- Real time measurement of:
 - Concentration
 - pH
 - Temperature
 - Conductivity
- Closed loop concentration control
- Automatic sensor self cleaning to minimize manual intervention
- Up to 3 emulsion systems monitored simultaneously
- Integration with existing oil dosing pumps

QH FLUIDCONTROL™ LMS

Lubricant Management System

Benefits:

- Continuous and uniform fluid quality control
- High reliability and concentration accuracy ($\pm 0.1\%$)
- Lower fluid consumption and operating costs
- Improved process stability and rolling quality
- Reduced maintenance and increased mill uptime
- Eliminates labor and worker exposure associated with manual sampling, chemical hazards and top-up operations
- Eliminates turnaround time for laboratory analysis
- Integrated automated cleaning and sensors calibration
- Output for automatic dosing of rolling oil
- Real-time data, 24/7 reporting, and remote alerts including mobile devices via QH FLUIDTREND™



QH FLUIDCONTROL™ LMS