



Forward

to automated coolant management
with Castrol SmartCoolant



Our new technical service solution that offers real-time condition monitoring and automation of coolant management, for central systems and multi tank operations

Introducing our new technical service solution for automated coolant management

Our new intelligent coolant management system optimises metalworking fluid performance in real time by automatically monitoring and refilling systems to stabilise coolant parameters.

Castrol SmartCoolant combines smart technologies and Castrol expertise to help our customers achieve:



Automated maintenance



Process transparency



Reduced operational costs



This is advanced automation.
This is Industry 4.0.

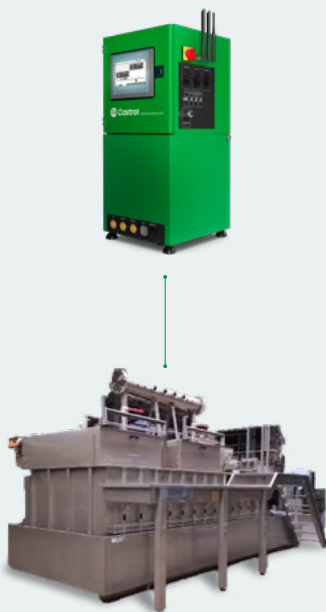
An evolution in automated coolant management

Our new system is manufactured using durable components and designed for maximum impact.

Available for central systems and multi machine use

Our devices are flexible to support a variety of plant configurations. You can automate a central system with a Castrol SmartCoolant AS 20 or expand coverage up to 10 additional machines with SmartCoolant ASC.

CENTRAL SYSTEMS



MULTIPLE MACHINES
UP TO TEN



Key hardware features



Castrol SmartCoolant AS 20

A stationary measuring and refilling system for the automation of coolant supply. It can be used as a stand-alone system or connected to SmartCoolant ASC to enable multi-machine use.

WiFi & cellular data aerial

Ethernet interface & SmartCoolant ASC connector

Digital display
Alerts displayed directly on screen or sent via e-mail.

Measures displayed:
 - Concentration
 - pH value
 - Temperature
 - Concentrate & water consumption (calculated)
 - Conductivity (optional*)

Power supply

Water inlet for refilling & automatic cleaning of the measuring cell (rinse exit)

Concentrate & additive inlet
For refilling at the right concentration

Emulsion inlet and outlet

Castrol SmartCoolant ASC

Enables single tanks to be connected, extending the same functionality across up to ten machines with one unit per tank.

SmartCoolant ASC connector via Ethernet interface

Power Button

Pressure sensor

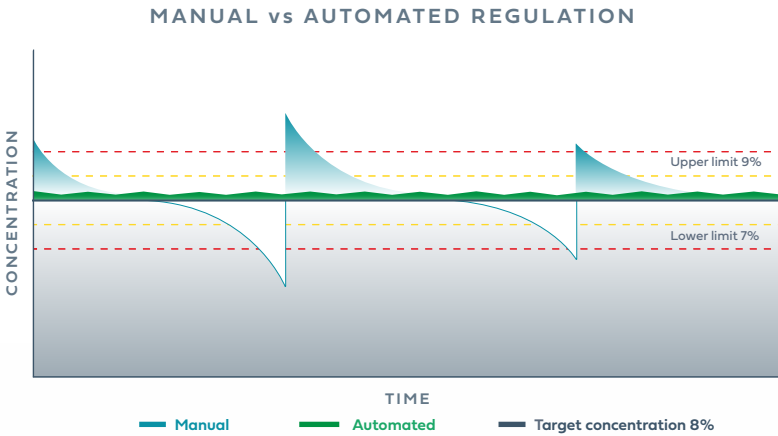
Emulsion circulation inlet and outlet
Closed loop to SmartCoolant AS 20



* Additional sensor required

How real-time, accurate, and consistent monitoring can deliver savings

Castrol SmartCoolant enables real-time decisions, adjusting coolant parameters automatically. After using Castrol SmartCoolant, our customers have estimated measurable savings across their operations.



Access coolant data online

Coolant data can be viewed on the device or via our online portal ensuring all documentation is in one place. It also provides:



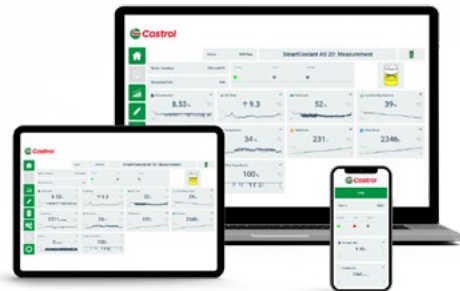
Status Reports



Alert Management



Service Notifications



Go further with Castrol

Access to coolant data online also empowers production teams to:

- Monitor performance instantly at both local and multi-site levels
- Standardize quality benchmarks across operations
- Reduce administrative overhead with digital documentation and compliance
- Shift from reactive to proactive maintenance, aligning with Industry 4.0 principles



If you're ready to move forward to automated coolant management, talk to Castrol today.

[castrol.com/smartcoolant](https://www.castrol.com/smartcoolant)

