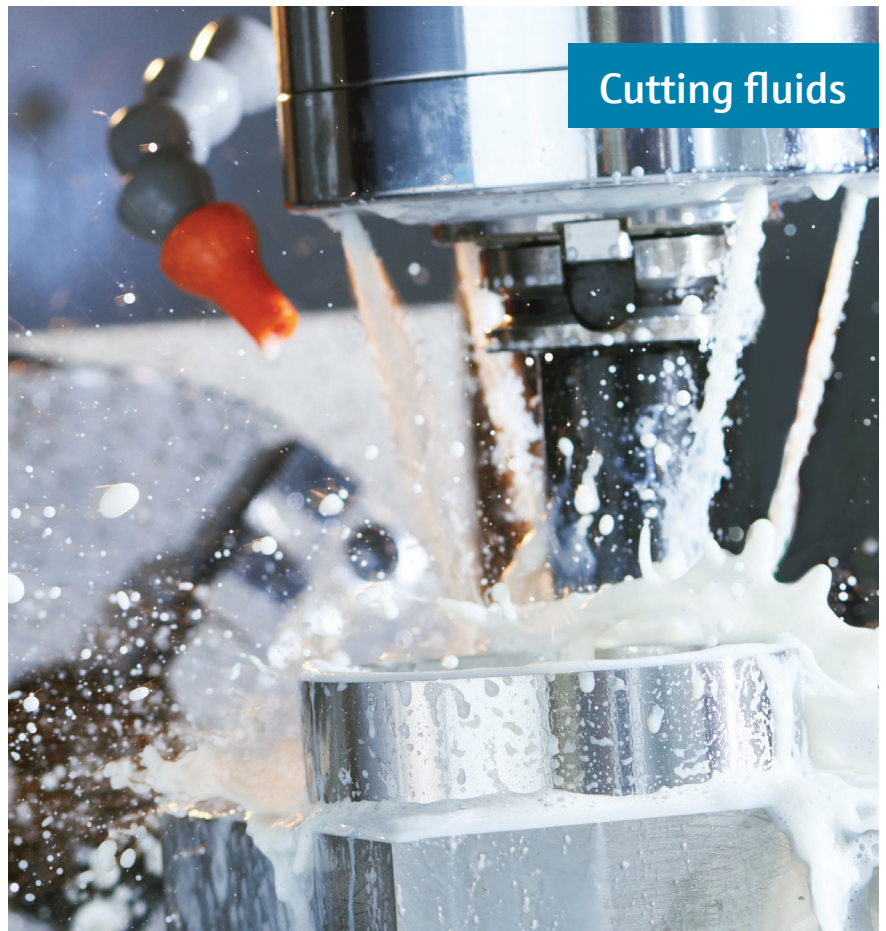


Teqwave

Individual and smart concentration measurement

Your benefits in brief

- Cost savings due to reduced standstill times
- Robust measurement with long-term stability
- Maintenance-free, no moving parts
- Integrated temperature compensation
- Precise factory calibration ensures highest accuracy
- In-line measurement directly in the pipe



Verifiable measurement of lubricant properties

Demonstrate environmental aware management of cutting fluids and fulfill the requirement of complete documentation reliably and measurably.

Simple, fast and cost-saving

Teqwave beats refractometers

Increase production quality with Teqwave!



Until now, monitoring of cutting fluids was performed using both refractometric and wet-chemical methods. But now, with the Teqwave measuring system, you can monitor your cutting fluids concentration(s) in-line directly in the tank or pipeline.

Compare for yourself

Refractometer

3 times per day per plant.
Results in costs of approx.
50 euros per day.

Current cost level

9000 euros per year
(360 days)

Costs of changing bath

30000 euros per 40 m³*

Teqwave

One-time investment
approx. 5500 euros

Amortisation
in approx. 7 months

Increase in service life
up to 50% → 30000 euros
savings with 3 cycles

*Refilling, disposal and standstill times

The solution: Teqwave

In terms of production quality, today's industry must cope with stringent demands: for example, it is required to find a compromise between optimized solutions and environmental protection. Unlike conventional, manually performed measuring procedures, which involve taking samples during ongoing production, and which can – in unfavourable cases – lead to the loss of entire production batches, the innovative Teqwave measures in real time and inline. This allows the production process to be controlled or adjusted at any time, thus minimizing losses and increasing production quality. Upon request, Teqwave can also generate integrated documentation of the cutting fluids process in accor-

dance with the customer's quality assurance requirements. Teqwave can be integrated into existing pipes.

One for all

The app solution makes it all possible: use one of the many concentration apps for cutting fluids from our database, and the application range of the Teqwave can be effortlessly expanded.

Get in touch with us and we will be happy to advise you on how to save costs by implementing Teqwave in your production.

www.addresses.endress.com

Endress+Hauser 

People for Process Automation