



# AUTOMOTIVE & PRECISION TUBES



# CMS

**CONTROLE MESURE SYSTEMES**

*Eddy Current and Ultrasonic Non-Destructive Testing Solutions*

[www.cmseddyscan.com](http://www.cmseddyscan.com)



*Made in France*



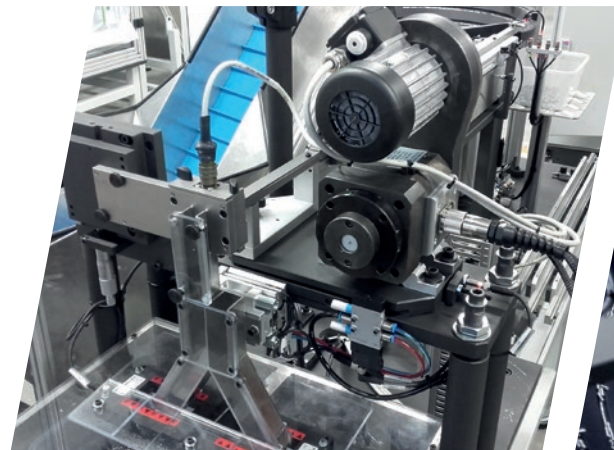


35 years  
of experience  
at your service

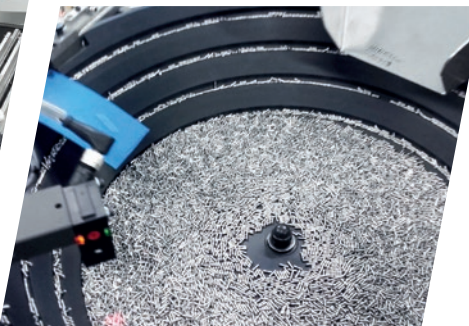
## AUTOMOTIVE & PRECISION TUBES

*Non-Destructive Testing (NDT) ensures the absence of defects on parts while inspecting 100% of the production.*

*Examples of parts that can be inspected: spindles, wheels hubs, pistons, valves, transmission components and precision tubes.*



> Rotary Head TRVC



### ► Inspection of Pistons

CMS designs and manufactures Eddy Current probes for specific applications.

This rotating equipment is used to detect surface and sub-surface defects in piston bore and combustion chambers. It is managed by our multi-channel and multi-frequency Eddy Current generator **Zet@Master**.



> 8 Channels  
Rotary Probes



### ► Inspection of Small Machined Parts

**Material sorting, heat treatment verification, hardness inspection, and more**

The inspection station is installed in-line to check for heat treatment and detect surface and sub-surface defects on small cylindrical parts ( $\varnothing$  0.03" or 0.8 mm and up).

An Eddy Current encircling coil is used for material sorting, and a rotating head detects the longitudinal defects. Our Eddy Current instruments, **Zet@Micro** and **Zet@Master**, generate and analyse the signals. A detailed inspection report is automatically created at the end of the production.

*We can offer solutions in-line or off-line, for longitudinal, transverse and short defect detection on magnetic and non-magnetic materials.*

**CMS, Quality Inspection Assured**

### ► Inspection of Small Cylindrical Parts

**Pistons pins, cylinders, spindles, and more**

We design manual and/or fully automated systems, for the detection of longitudinal and transverse defects on cylindrical parts.

These systems are managed by our multi-channel and multi-frequency instrument **Zet@Master**.

It easily meets any application requirements and can be paired with a tailor-made software.



> Custom Inspection Station



> Rotary Head RotoETscan

**Quality experts you can rely on**

### ► Inspection of Solids of Revolution

**Wheel hubs, candles, and more**

The inspection is carried out by pencil probes customized to match the product profile.

The signals are analyzed in real time by the **Zet@Micro** electronics.

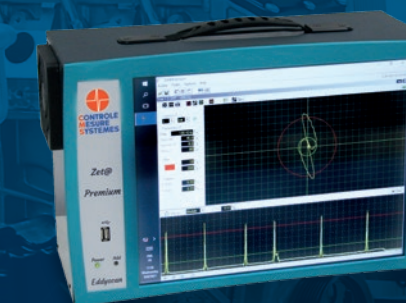


> Pencil Probe



> Eddy Current Probes

**Find all  
our equipment  
on our website:**



> Eddy Current  
Generator,  
**Zet@Premium**

We offer NDT solutions designed for the Automotive Industry to control pistons, cylinders, precision tubes, brake discs, wheels, cylindrical parts, material sorting, coating and hardness inspection, and more.



**Made in France**

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Thanks to our know-how, long-term expertise in NDT, and skilled technical crews, CMS is able to offer the entire handling system with PLC automation.

Our Eddy Current and Ultrasonic testing equipment allow 100% inspection of your products.

Join many other industry leaders who have trusted us for their NDT needs worldwide.

Find out more on our website:  
[www.cmseddyscan.com](http://www.cmseddyscan.com)



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Founded in 1988,  
**CONTROLE MESURE SYSTEMES (C.M.S)**  
is a French private and independent  
company based in Burgundy.

We design and develop a full range of high performance Non-Destructive Testing equipment (NDT): instruments, Eddy Current and Ultrasonic rotating heads, ET probes and UT transducers as well as a full range of accessories. We work with the following industrial sectors: Aeronautics, Automotive, Oil & Gas, Nuclear, Steel and Railway.

Our teams of engineers specialized in R&D, mechanical, electrical, and software, innovate in state of the art technologies to ensure a constant improvement of our products. We offer high performance and customized solutions that are fully adapted to the quality requirements of our customers.

*We export our know-how worldwide through our subsidiaries and our network of agents, enabling us to be one of the leading suppliers in Eddy Current and Ultrasonic Non Destructive Testing.*

## Contact us

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