

# Enlighten Your Quality Control



A sustainable and cost effective approach  
for the coating, paint, and ink industry

# Vis-NIR spectroscopy from Metrohm

02

## Accurate testing of multiple parameters in less than a minute!

Why do multiple tests when you can get accurate results for standard quality parameters by a single measurement? Think again: Metrohm Vis-NIR spectrometers offer a robust, sustainable, and cost-effective alternative to your current methods for analyzing solvents, binders, additives, and pigments. Without prior user training and a laboratory required, our Vis-NIR spectrometers provide

accurate results for multiple parameters in less than a minute – at the push of a button! From raw material inspection through quantification of chemical and physical properties in your formulations to final inspection of your product, you will benefit from the Metrohm Vis-NIR spectrometers along your entire process chain!

## The benefits of our Vis-NIR spectrometers at a glance



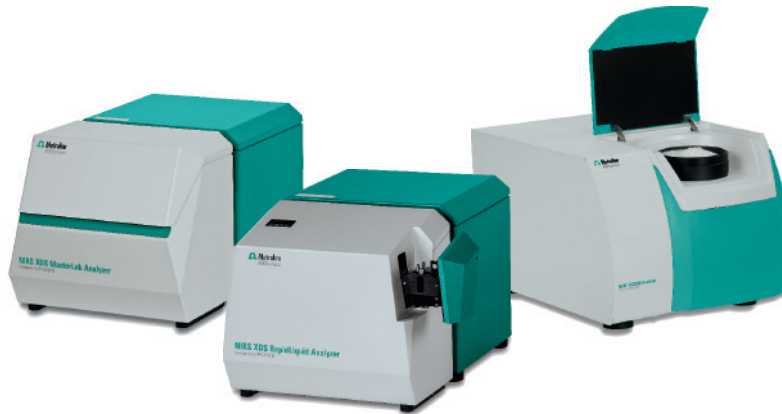
### Fast

Get your QC parameters in solvents, additives, binders, and pigments in less than a minute!



### Robust

Unparalleled ruggedness and high precision thanks to built-in dispersive technology.



### Cost-effective

No need for consumables and multi-parameter detection bear significant saving potentials.



### Sustainable

Solvent and chemical free testing reduces potential environmental and health impact significantly.

# Benefit at each step in your process chain!

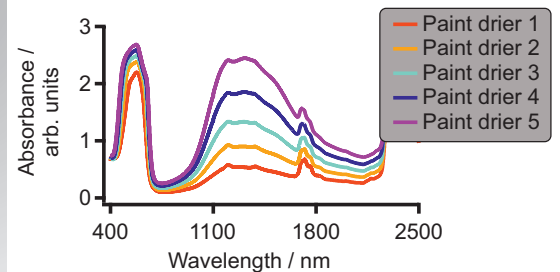
## Raw material identification and testing

- Solvent quality
- Water content
- Pigments quality
- Particle size
- Binders (Resins) quality
- Hydroxyl number
- Additives quality
- Iodine value



## Formulation testing

- Viscosity
- Color strength
- Particle size distribution
- Acid number
- Non volatile content (solid content)
- Volatile organic content
- Water content
- Solid content



## Final product inspection

- Specific gravity
- Viscosity
- pH
- Flash point
- Color strength
- Density
- Dye content
- Non volatile content (solid content)



## Peace-of-mind with our professional support

Be certain that your Metrohm Vis-NIR analyzers and applications are in good hands thanks to our unparalleled service support. Our trained and certified service engineers and application specialists in more than 130 countries are happy to help and provide professional support. Benefit from rapid on-site repair, dedicated application support, and user trainings at your premises or at your local Metrohm distributor.

- **Accurate results**

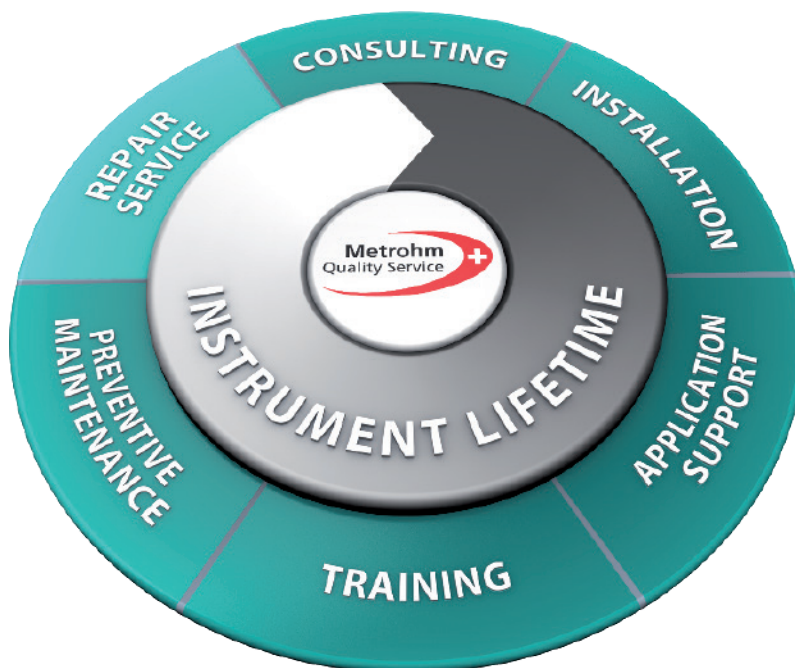
Our application chemists make sure your application works

- **Guaranteed uptime**

Regular preventive maintenance checks preserve the lifetime of your instrument

- **Qualified operators**

Professional on-site training ensures reliable and safe operation



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

 **Metrohm**