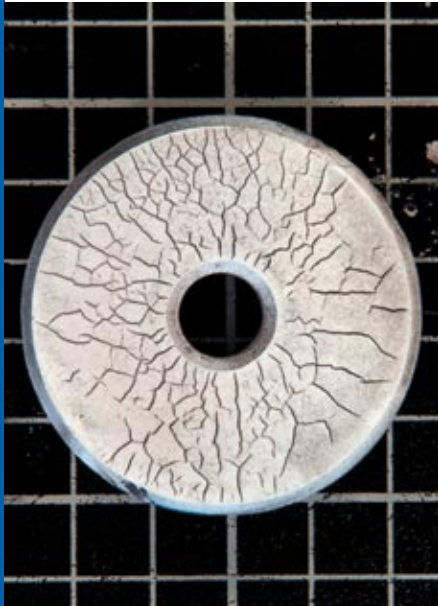


Magnetic Testing with Lumor® and Supramor®

High-Performance NDT Products for the Automotive, Energy and General Industries



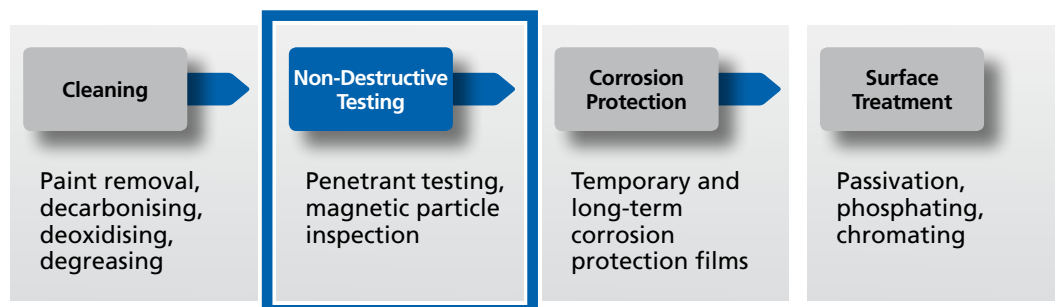
Advantages

- ✓ Complete product portfolio
- ✓ High-sensitivity products
- ✓ Low background fluorescence
- ✓ Crisp indications
- ✓ Easy application
- ✓ Comprehensive equipment range
- ✓ Local service and support

Applications








- ✓ MT for the detection of surface and near-surface defects in ferro-magnetic materials
- ✓ Supramor: for applications requiring inspection under white light
- ✓ Lumor: for applications requiring inspection under UV(A)-light

Chemetall provides an extensive product portfolio for surface treatment prior to, during and after non-destructive testing. A comprehensive range of equipment for these applications and the reliable service of local Chemetall experts complete the product portfolio.



Magnetic Testing with Lumor® and Supramor®

Chemetall's proven, high-performance Lumor® and Supramor® specialty chemicals have been specifically developed to meet the demanding requirements of national and international industry quality standards. The products conform to numerous standards.

Product	Description	Appearance	Application	Packaging	Conformances
WHITE LIGHT					
Supramor® 4 Black	Very fine black magnetic particles in high-flash type 1 hydrocarbon carrier; good particle mobility, high magnetic response, low coercivity	Fluid	Ready-for-use (type 1 hydrocarbon carrier)		EN ISO 9934-2:2003 ASME Boiler & Vessel Code AMS 3041E ASTM E 1444-05
WCP 712 White Contrast Paint	Provides a dense white background against which black or red indications of defects can be seen readily; ideal for use with oil-based or water-based magnetic inks	Fluid	Ready-for-use		EN ISO 9934-2:2003 ASME Boiler & Vessel Code
FLUORESCENT					
Lumor® J Powder	Fine fluorescent magnetic particles; will fluoresce brilliant yellow-green under ultraviolet radiation; high magnetic response, low coercivity	Dry powder	Mix with carrier fluid or pre-treated water		EN ISO 9934-2:2003 ASME Boiler & Vessel Code AMS 3044F ASTM E 1444-05
Lumor® J (HF)	Fine fluorescent magnetic particles, dispersed in high-flash type 1 hydrocarbon carrier; will fluoresce brilliant yellow/green under ultraviolet radiation	Fluid	Ready-for-use (dispersion in type 1 hydrocarbon carrier fluid)		EN ISO 9934-2:2003 ASME Boiler & Vessel Code AMS 3045E ASTM E 1444-05
Lumor® J (W) Powder	Dry blend of magnetic particles, wetting agents and corrosion inhibitors for dispersion in water; gives an aqueous fluorescent magnetic ink ideal for the inspection of ferromagnetic materials, structures and components	Dry powder concentrate	Disperse in water (typically 10 g/l)		EN ISO 9934-2:2003 ASME Boiler & Vessel Code AMS 3044F ASTM E 1444-05
Lumor® J40 (W)	Blend of magnetic particles, wetting agents and corrosion inhibitors for dispersion in water; provides a fluorescent magnetic ink ideal for the inspection of ferromagnetic materials, structures and components	Fluid concentrate	Mix with water (typical dilution rate 40 : 1)		EN ISO 9934-2:2003 ASME Boiler & Vessel Code AMS 3044F ASTM E 1444-05
CARRIER FLUID					
MPI Diluent HF	Type 1 hydrocarbon carrier for the dispersion of magnetic particle inks	Fluid	Add magnetic particles		AMS 2641A (Type 1) ASTM E 1444-05

 Aerosol  Bulk  Bag

* Note: The aerosol version is called Lumor® J Aerosol

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