

Product Info

ARDROX®

Magnetic Particle Inspection Line Card

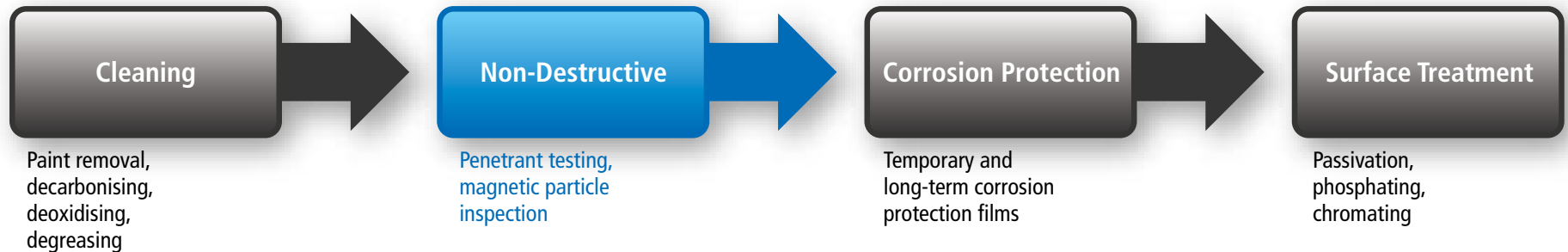
Chemetall offers a comprehensive portfolio of ARDROX® products for magnetic particle non-destructive testing (NDT) of ferro-magnetic materials used in the Aerospace industry.

Along with our local technical support and service, these products provide:

- All major approvals
- High sensitivity level
- Low background fluorescence
- Crisp indications
- Ease of application



Maintaining outstanding surface quality before, during, and after the NDT process



Meeting the Standards

Chemetall's high-performance ARDROX® specialty chemicals are specifically developed for aerospace applications. They meet the challenging requirements of national and international civil and military aviation quality standards, including AMS, Boeing, CEN, ISO, MIL, Pratt & Whitney, Rolls Royce, GE, etc.

Chemetall
expect more⁺

ARDROX® Products for Magnetic Particle Inspection

	Appearance	Application	Approvals	Conformances
White Light				
ARDROX® 8031 High sensitivity detection for defects in ferro-magnetic surfaces with or without the use of white contrast paint	Fluid	Ready-for-use (Petroleum-based)	Rolls Royce, International AERO Engine	EN ISO 9934 Part 2
ARDROX® 8901W White contrast paint that provides an excellent distinguishing white background for dark steel; used with ARDROX® 8031	Fluid	Ready-for-use (Petroleum-based)	Rolls Royce, International AERO Engine	EN ISO 9934 Part 2
UV-A/Fluorescent Light				
ARDROX® 8505 Fluorescent brown powder that offers high sensitivity detection of surface and near surface defects in ferro-magnetic material	Fluorescent brown powder	Disperse in base oil HF / Aerosol		AMS 3044E, EN ISO 9934 Part 2
ARDROX® 8515 Water dispersible fluorescent iron oxide powder that inhibits corrosion of ferrous metals and conditions water	Fluorescent brown powder	Disperse in water		AMS 3044E, EN ISO 9934 Part 2
ARDROX® 8516 Brown powder in a concentrated bath of water conditioners and corrosion inhibitors	Fluorescent brown powder	Ready-to-use water suspension		AMS 3044E, EN ISO 9934 Part 2
Carrier Oil				
ARDROX® Base Oil HF Light colored, high purity carrier oil for fluorescent and visible Magnetic Particle Inspection (MPI) applications	Fluid	Ready-to-use	GE, Pratt & Whitney, Bell Helicopter, McDonnell Douglas	
Visible Dry Powder — Vividly colored magnetic particles that provide excellent contrast against test substrate				
Ferromor® ND-5 Colored magnetic particles for inspection of large components, such as castings or welds	Gray Particle	Ready-to-use powder		AMS 3040, EN ISO 9934, ASME
Ferromor® ND-7 Colored magnetic particles for inspection of large components, such as castings or welds	Red Particle	Ready-to-use powder		AMS 3040, EN ISO 9934, ASME
Ferromor® ND-8 Colored magnetic particles for inspection of large components, such as castings or welds	Yellow Particle	Ready-to-use powder		AMS 3040, EN ISO 9934, ASME

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