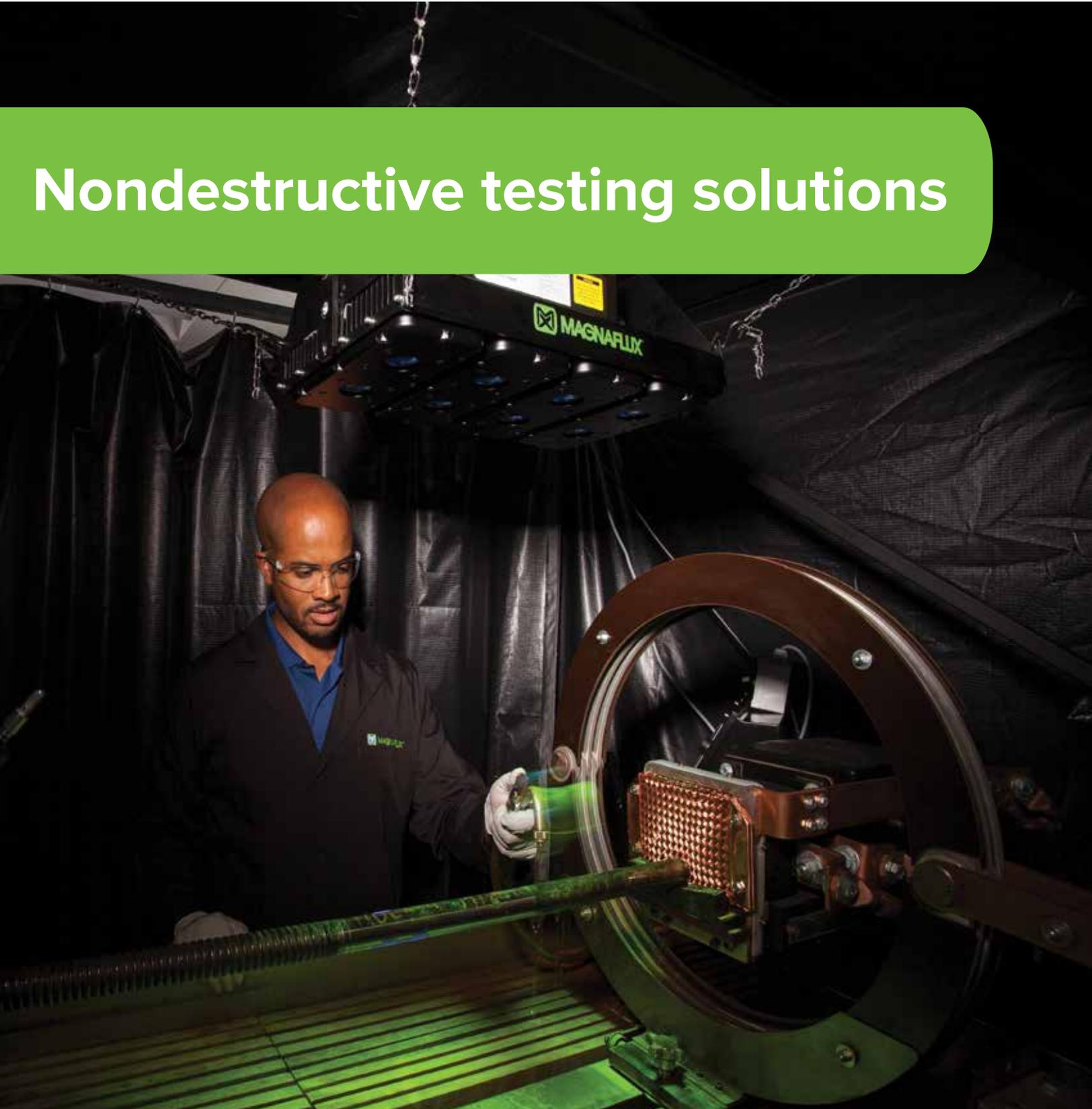




Together for a safer world™

# Nondestructive testing solutions





Dedicated and proud Magnaflux® customers are our most important focus: They drive us to be our best as we follow our mission creating market-leading NDT products and processes.

We believe listening to our customers is the reason for our successful 80+ years of history developing and producing equipment and materials for the NDT community. Simply, we make the best quality and highest performing products because our loyal users ask for them.

We see the best way to make our passion work is to lead the advancement of processes and products that make our customers, the dedicated non-destructive testing and quality assurance professionals, advance the safety and reliability, efficiency and convenience, of their industries. Every part we touch is our part.

Magnaflux product and performance results grow our accountability with our customers. Convenience reliability, safety and reduced exposure, all of these issues are related and integral to the way we operate.

We follow every detail of the development process from cradle to grave, micro-managing our product lifespan so we can learn every aspect of NDT knowledge. That's our way of continuously improving both quality and necessary bottom line performance.

Our customers count on us to know, and to share that knowledge through our people.



## Penetrant Testing\*

Magnaflux penetrant inspection products are the most widely used LPI/PT inspection products and best known for reliability on the market. No matter what the industry, Magnaflux customers trust our penetrant products to provide superior results in detection of fine defects and cracks in ferrous and non-ferrous materials.

### Fluorescent Water Washable Penetrants

**ZL-15B** Type 1, Level ½

**ZL-19** Type 1, Level 1

**ZL-60D** Type 1, Level 2

**ZL-67** Type 1, Level 3

**ZL-56** Type 1, Level 4

### Fluorescent Post Emulsifiable Penetrants

**ZL-2C** Type 1, Level 2

**ZL-27A** Type 1, Level 3

**ZL-37** Type 1, Level 4

### Nonfluorescent/Visible Penetrants

**SKL-SP2** Type 2, Solvent Removable

**SKL-WP2** Type 2, Water Washable

### Developers

**ZP-4B** Dry Powder (Method A)

**ZP-14A** Water Soluble (Method B)

**ZP-5B** Water Suspensible (Method C)

**ZP-9F** Solvent Based (Method D/E)

**SKD-S2** Solvent Based (Method D/E)

## Ultrasonic Testing Couplants\*

For NDT professionals who want best-in-class UT couplants from a manufacturer who they know will never compromise on product performance or safety, Magnaflux couplants come in a range of different formulas to meet a wide variety of needs.

### General-Purpose Couplants

Ultrage<sup>®</sup> II

Soundsafe<sup>®</sup>

Echogel<sup>®</sup>

Sonotrace<sup>®</sup>

UT-X Powder

### High Temperature Couplants

Sono 600

Sono 900

Sono 950

Sono 1100

Pyrogel<sup>®</sup> 100

## Aqueous Cleaners\*

Daraclean aqueous biodegradable cleaners are safe for use on a wide range of metal and non-metal surfaces. They are particularly effective at removing a broad spectrum of soils including dye penetrants, cutting oils, metalworking coolants, mill markings, paraffins, rust inhibitors and adhesives.

\*Talk to your Magnaflux sales manager for complete product line information



## Magnetic Particle Testing\*

The first Magnaflux inspection systems appeared in 1929, since then we have grown into the global leader for magnetic particles. Our customers rely on Magnaflux magnetic particle testing solutions to set the global standard for fluorescent and non-fluorescent testing of surface and sub-surface defects in ferromagnetic parts.

### Fluorescent Magnetic Particles

- 14A** Magnetic Particles
- 14AM** Oil-Based Particle Suspension
- 14A** Redi-Bath™ Water-Based Particle Suspension
- 20B** Particle Premix
- 14A** Aqua-Glo Water-Based Particle Aerosol
- MG-410** Magnetic Particles

### Nonfluorescent/Visible Magnetic Particles

- 7HF** Oil-Based Particle Suspension
- 7C** Black Magnetic Particles
- #1 Gray** Magnetic Particles
- #2 Yellow** Magnetic Particles
- #8A Red** Magnetic Particles

### Magnetic Particle Equipment

- Yokes
- Coils
- Wet Benches
- Power Packs
- Current Generators
- Enclosures
- Demagnetizers

## UV Inspection Lamps\*

For professional who want to use UV technology developed exclusively for nondestructive testing, Magnaflux LED UV lights and lamps help our customers find indications faster and more reliably.

- EV6000** hand-held UV lamp
- EV6500** high-intensity hand-held UV lamp
- ST700** overhead LED UV inspection lamp

## Process Compensated Resonant Inspection\*

PCRI results correlate directly to part performance, so defective parts can be rejected on the production line with confidence. Quasar PCRI is a powerful yet flexible NDT method which produces reliable results, at substantially lower costs.



## **Industries and Applications**

**Aerospace**

**Aircraft Engines and Components**

**Automotive**

**Engineered Machined Components**

**Inspection Service Companies**

**Military**

**Oil & Gas**

**Oilfield Service Providers**

**Power Generation**

**Precision Bearings**

**Precision Castings & Forgings**

**Railroad**

**Welded/Seamless Pipe, Casing and Premium Connections**

Manufacturers and testing service providers choose Magnaflux liquid penetrants, magnetic particles, aqueous cleaners, ultrasonic couplants, and process compensated resonant inspection systems because our line of products have superior abilities to detect the smallest flaws and indications, and do so in critical areas of testing.

Our longtime mission is to simplify and improve NDT processes of limiting unnecessary rejection of quality parts, and exposure to failures in bad parts. We have over 80-years of testing and learning experience, and a culture of customer and expert interaction.

Our sales and technical staff are trained to provide answers, provide product comparisons and review existing processes for potential areas of improvements and cost reductions.

We will review quality procedures and make recommendations for product and system improvements to your existing systems.

We invite you to reach out to our local representatives at [+1 847-657-5300](tel:+18476575300) or [cs@magnaflux.com](mailto:cs@magnaflux.com).



We consider our customers partners in the important safety mission of NDT, and use the information they provide to advance the craft and science of non-destructive examinations.

Advanced quality, consistency, and reliable performance is how we answer customer responses.

Expectations are met with the products and services through our experienced and professional support teams, who first understand the unique requirements that customers face in NDT.

Feedback from customers is crucial to our ability to anticipate needs as the technologies advance. This customer relationship serves to keep our cost efficiency industry leading and capable of answering new challenges.

We like doing business this way, advancing our NDT understanding by listening to our customers' challenges. Our sales and technical staff are trained to provide answers, provide product comparisons and review existing processes for potential areas of improvements and cost reductions.

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