



Magnetic Particle Inspection (MPI)

CRACKTEST® Consumables

Russell Fraser Sales manufactures CrackTest® magnetic particle inspection (MPI) consumables for Non-Destructive Testing (NDT) right here in Australia. CrackTest magnetic particle testing consumables are of the highest quality and are available directly from our Sydney warehouse or from one of our stockists located around the country. CrackTest consistently out-performs the competition in terms of coverage, effectiveness and price-performance.



CTB-3 Black Magnetic Ink

CTB 3 is for use in NDT detection of surface and near sub-surface defects in ferro magnetic materials.

The product can be used with Cracktest CTW6 white background to give good contrast indications in magnetic particle inspection. Correct magnetic field strength and orientation are required to enable detection of discontinuities.

Available in 300g aerosol, and 5L and 20L bulk



CTW-6 White Background

New CTW 6 provides a strong white contrast for NDT magnetic particle inspection. Gives an excellent colour contrast to magnetic inks and dry powders. May be used as a contrast for marking out or gauging indications. CTW 6 can be used as a stencil paint. Can be removed with CTC-1 high performance cleaner.

Available in 300g aerosol, and 4L and 20L bulk



CTF-9 Fluorescent Magnetic Particle

CTF 9 is for use in detection of surface and near sub-surface defects in ferro magnetic materials.

The product is to be used for NDT inspection in conjunction with UVA Long Wave UV light in darkened areas. Correct magnetic field strength and orientation are required to enable detection of discontinuities

Available in 300g aerosol, and 5L and 20L bulk



CTC-1 Cleaner

Used for cleaning before (if needed) and removing background paint. In NDT penetrant systems may be used as pre-cleaner and remover. Any application where the highest performance is required to produce a clean, dry, oil free surface.

Available in 300g aerosol, and 1L and 5L bulk



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MPI METHODS AND PRODUCTS

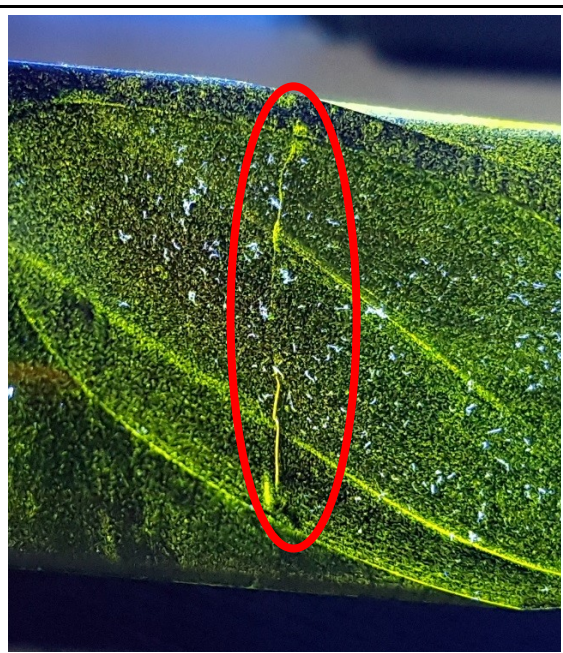
Visible Method

Product	Description	Order/Method
CTC-1	High Performance Cleaner	Used to clean the surface
CTW-6	White Background Paint	Spray evenly onto surface – allow to dry
Magnetic Yoke	Electromagnet	Apply yoke legs to surface and activate yoke
CTB-3	Black Magnetic Ink	Spray evenly onto surface while yoke is on. Magnetic ink will migrate to cracks



Fluorescent Method

Product	Description	Order/Method
CTC-1	High Performance Cleaner	Used to clean the surface
Magnetic Yoke	Electromagnet	Apply yoke legs to surface and activate yoke
CTF-9	Fluro Magnetic Ink	Spray evenly onto surface while yoke is on. Magnetic ink will migrate to cracks
UV torch	UV light source to fluoresce the ink	Shine the torch on the surface to reveal the cracks.



RFS also has a range of [Magnetic Yokes](#) and [UV Torches](#) for Magnetic Particle Inspection



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