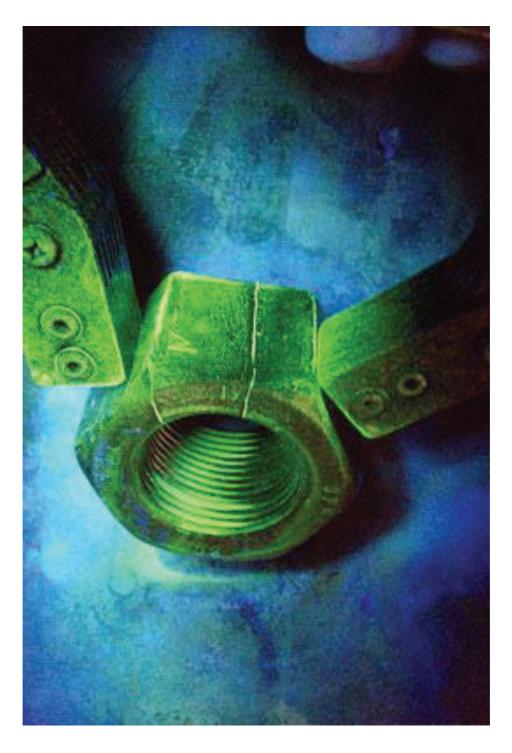


SmartChem

Smartcheck NDT Solutions

www.kks.com.au



Proudly Australian Owned & Made



Company Overview

Smartchem Industries was founded in September 2012, our Directors, Stuart and David Smart have collectively over 50 years experience in manufacturing Magnetic Particle and Dye Penetrant products to Australian & International Standards. Our products are batch traceable with Certificates of Conformance available on request. Our knowledge of the Industries expectations enables us to value add to your business.

We are Australian owned and operated our head office is located in Greater Western Sydney. We have a network of Distributors Australia wide further strengthening our ability to ensure the Smartcheck range of products are delivered on time, every time.

Our products are formulated using premium raw materials which are sourced from Australian suppliers where possible, we also ensure all our aerosol products are packaged by Australian aerosol fillers supporting Australian Business.

We stock a range of equipment which support our product lines including but not limited to both a range of AC Magnetic Yokes and Permanent Magnets, UV Inspection lights utilising the latest in UVA LED Technologies from a variety of suppliers including Battery Operated UV Torches.

We also stock a range of test pieces for both MPI and DPI Processes, we are also happy to source any additional equipment our customers may require.

Our company is based on the belief that our customers' needs are of the utmost importance. Our entire team is committed to meeting those needs.

We would welcome the opportunity to earn your trust and deliver you the best products and service in the industry.

We are happy to make samples available for your evaluation, we are confident you will be impressed by the performance of our products.



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Dye Penetrant Consumables

Smartcheck Product Description Pack Sizes Product Code



SMARTCHECK Dye Pen Red is water washable/solvent Aerosol DPREDA removable penetrant used in the visible dye penetrant 5L DPRED5 process to detect surface flaws such as crack, laps and 20L DPRED20 porosity in ferrous and non-ferrous materials including non-porous ceramics and some plastics.

Conforms to: AMS 2644 methods A & C, ASTM-E-1417, AS 2062 & ASME Section V



a rapid drying solvent system

SMARTCHECK Dye Pen Developer is a non-Aqueous Aerosol DPDEVA
Wet Developer used in the dye penetrant process to detect 5L DPDEV5
surface flaws such as cracks, laps and porosity in ferrous 20L DPDEV20
and non-ferrous materials including non- porous ceramics
and some plastics. It consists of refined white particles in

Conforms to: AMS 2644 form d & e type 2, ASTM-E-1417, AS 2062 & ASME Section V



SMARTCHECK Dye Pen Remover is a non-chlorinated Aerosol DPREMA solvent remover/precleaner for the dye penetrant process 5L DPREM5 used to detect surface flaws such as cracks, laps & porosity 20L DPREM20 in ferrous and non-ferrous materials including non-porous ceramics and some plastics. It is rapid drying and leaves no

Conforms to: AMS 2644 Class 2, ASTM-E-1417, AS 2062 & ASME Section V

SMARTCHECK Dye Pen Kit contains 1 aerosol can each Smartcheck Dye Pen Red, Dye Pen Remover and Dye Pen Developer

residue. It is also an effective general purpose degreaser.

Aerosol DPRKIT

AMS 2644 methods A & C, ASTM-E-1417, AS 2062 & ASME Section V

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Magnetic Particle Consumables

Smartcheck Product	Description	Pack Sizes	Product
			Code



SMARTCHECK MPI Black is an oil based readyAerosolMPIBAto use black magnetic ink for use in the Magnetic Particle5LMPIB5Inspection process.20LMPIB20

Also available in paste form for dilution with **Smartcheck MPI Carrier Fluid**, dry powders in various colours and as a water-based concentrate.

Conforms to: AMS 3043 (Aerosol), AMS 3041 (Bulk), ASTM E 1444 & AS 1171



SMARTCHECK MPI White is a new generation, rapid dryingAerosolMPIWAwhite contrast paint formulated specifically to provide a white5LMPIW5background to enhance indications in visible magnetic particle20LMPIW20inspections on dark steel.

Conforms to BS 5044 & AS 1171



SMARTCHECK MPI CLEANER is a rapid drying solvent cleaner formulated specifically to remove white contrast 5L MPIC5 lacquers used in visible magnetic particle inspections. 20L MPIC20 SMARTCHECK MPI Cleaner is also effective at removing



SMARTCHECK MPI FLUORO is an oil based ready to use Aerosol MPIFA fluorescent magnetic ink for use in the Magnetic Particle 5L MPIF5 Inspection process. It consists of a dispersion of fine high 20L MPIF20 quality spherical particles of uniform size for improved mobility in response to magnetic fields, specifically developed

to fluoresce brightly at peak wavelengths of 365nm. Also available in dry powder form for dilution with

light oils such as MPI carrier oils, and marker pen.

SMARTCHECK MPI Carrier Fluid and as a water-based concentrate.

Conforms to: AMS 3046 (Aerosol), AMS 3045 (Bulk), ASTM E 1444 & AS 1171

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