

# FLAWCHEK SYSTEM



## Four-part visible “Crack Detection” inspection process

### Features & Benefits

- Dye penetration visible inspection system that detects cracks and flaws in metals and castings
- 4-step system – Preclean, Penetrant, Remover and Developer
- Fast, efficient and cost effective method
- Conforms to AS2062 TYPE 2 METHOD C

### Flawchek “Crack Detection” System Kit



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Flawchek Step 1 Preclean	350g	19013501
Flawchek Step 2 Penetrant	350g	19013502
Flawchek Step 3 Remover	350g	19013503
Flawchek Step 4 Developer	350g	19013504
Flawchek Step 1 Preclean	1L	19010101
Flawchek Step 2 Penetrant	1L	19010102
Flawchek Step 3 Remover	1L	19010103
Flawchek Step 4 Developer	1L	19010104

### Flawchek “Crack Detection” System Kit

Flawchek 4-part Inspection Kit	Box	19013599
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### RECOMMENDED DIRECTIONS FOR USE

#### Step 1 – Preclean (Grey)

It is essential to ensure that the part/area to be tested is clean, dry and free from all surface contamination (e.g. grease, oil, rust and paint). Surface contaminants can cover a flaw, inhibiting the entrance of the dye. Spray the area to be inspected and wipe thoroughly with cloth. Allow clean surface to dry.

#### Step 2 – Penetrant (Red)

Spray Penetrant Dye over the area that is to be inspected. Allow penetrant to dwell for 10 minutes. Dwell time should be extended in extremely cold conditions.

#### Step 3 – Remover (Blue)

Allow excess Penetrant to drain. Wipe over inspected surface with a dry cloth. Then spray Remover on another cloth and wipe surface to remove excess Penetrant. Allow surface to dry before using Developer.

#### Step 4 – Developer (White)

Spray a light coat of the Developer over the area to be inspected, avoiding a heavy film. Leave Developer to dry and inspect parts for flaws after 2 – 3 minutes. If very fine flaws are suspected, the parts should be re-inspected after 20 minutes.

*The Flawchek system is a method of non-destructive testing which will detect flaws on metal surfaces*

*Note: These recommendations are based on tests conducted in normal conditions. Actual conditions of use are beyond Dy-Mark's control and recommendations are made without warranty.*