

DETECTAMET™

Metal & X-Ray Detector Test / Calibration Piece Guide

Manufactured by Detectamet™, our extensive range of test pieces are designed to calibrate your Metal Detector / X-Ray Inspection Systems.



Free certificate of conformity With All Detectamet Test Pieces!

All test pieces are supplied with a free Certificate of Conformity, detailing the test piece size, contaminant type and traceability of test piece manufacture.

We engrave our test pieces with a traceable number that also corresponds to your certificate of conformity - giving you enhanced traceability for each test piece product.



Calibrating Your Detection System

Before and after installation of a detection system, testing is essential before food processing can be considered to be operating under detectable protection. Metal and X-ray detection systems are very accurate, high tech and high specification instruments and there are many variables to consider to ensure detectability.

Some of the most common system variables are:

- Type of food or product
- Size of food or product
- Density of food or product
- Packaging of food or product
- Type of metal in the test piece contaminant
- Speed and orientation of the metal
- Detector settings
- Sensitivity and age of the machine

Ensure your on-site technical manager is familiar with variables such as these before calibrating your detection system. Please contact your detection system supplier for more information.

Own-branding Available!

We can engrave your company logo onto our test pieces.
Please speak to our friendly team for more information.



Test Piece Contaminants

- Ferrous - Chrome
- Non-Ferrous - Brass
- Stainless Steel 316
- Stainless Steel Wire 316
- Stainless Steel 304
- Stainless Steel 420
- Stainless Steel 440C
- Titanium
- Phosphor Bronze
- Copper Wire
- Aluminium
- Ceramic
- Glass - Soda Lime
- Glass - Borosilicate (black)
- Glass - Crystal
- PTFE Teflon
- Nylon Grade 1
- Rubber Nitrile
- Zircona

We can also provide more materials upon request. Please ask a sales representative for more information.

Test Piece Contaminants

METAL DETECTABLE CONTAMINANTS

There are three main types of metal detectable contaminant provided by Detectamet: Ferrous, Non-Ferrous and Stainless Steel.

Ferrous - Metals that have iron as a large percentage of their composition.

Non-Ferrous - Metals that do not contain iron; including brass, aluminium, bronze, copper, lead, nickel and tin.

Stainless Steel - Iron-based alloy, usually non-magnetic and a poor electrical conductor.

X-RAY VISIBLE CONTAMINANTS

Non-metallic contaminants provided by Detectamet include:

Ceramic, Glass, PTFE Teflon, Nylon, Rubber Nitrile & Zircona.

We can also offer many more contaminant materials upon request - please contact us for more information.

Test Piece Materials

TEST PIECE MATERIALS

We offer a great range of test piece materials to house your required contaminant.

High-Vis Acrylic

Available in 6 colours or clear acrylic. Bright colours are designed for quick and easy visual identification.



Acetal

Available in white. High mechanical strength and rigidity. Good chemical resistance.



PTFE

Available in white. Low coefficient of friction. Inert to most chemicals & zero moisture absorption.



PVC Foam

Available in white. Material for our X-Ray Test Cards.



Laminate

Material to house our Laminated X-Ray Test Cards. Perfect for sliding between packaging & food items.



In Partnership with

BROS

5

DETECTAMET™

ID Test Card

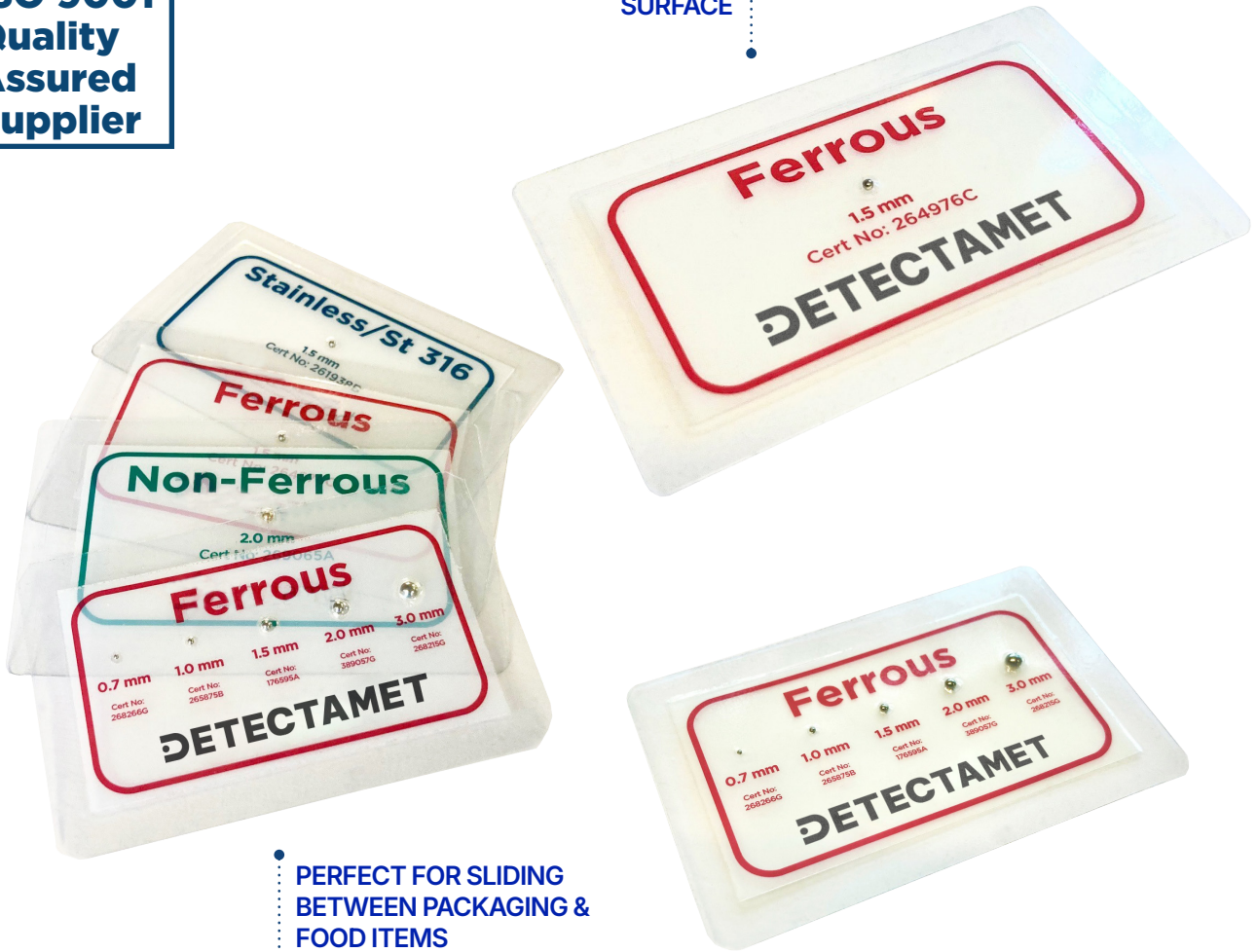
FR: Cartes test pour rayons X

ES: Tarjeta de ensayo de rayos X

DE: Röntgen-Testkarte

**ISO 9001
Quality
Assured
Supplier**

WIPE-CLEAN
SURFACE



PERFECT FOR SLIDING
BETWEEN PACKAGING &
FOOD ITEMS

Size:

Width: 54 mm (2.12")

Length: 86 mm (3.39")

Thickness: up to 6 mm contaminant

Bespoke Sizes Available

Colours:

Acrylic:

PRODUCT CODE: ID Test Card

**FREE CERTIFICATE OF CONFORMITY
WITH ALL DETECTAMET TEST PIECES**



Laminated X-Ray Test Card

FR: Carte de test aux rayons X plastifiée
ES: Tarjeta de prueba radiográfica laminada
DE: Laminierte Röntgenprüfkarte

New Product!

ISO 9001
Quality Assured
Supplier

ONLY 3 MM THICK
(EXCLUDING CONTAMINANT SIZE)



Size:
Standard: 84 × 60 × 3 mm
(3.30 × 2.36 × 0.11")
Up to 4 mm contaminant available

Bespoke Sizes Available

Colours:
Acrylic:

PERFECT FOR SLIDING
BETWEEN PACKAGING &
FOOD ITEMS

WIPE-CLEAN
SURFACE

PRODUCT CODE: LAMINATED CARD

FREE CERTIFICATE OF CONFORMITY
WITH ALL DETECTAMET TEST PIECES



In Partnership
with
BROS

7

X-Ray Test Card

FR: Cartes de test
ES: Tarjetas de prueba
DE: Testkarten

ISO 9001
Quality Assured
Supplier



Total Size:
Width: 80 mm (3.14")
Length: 40 mm (1.57")
Thickness: 10 mm (0.39") - up to 6 mm contaminant

Bespoke Sizes Available

Colour:
PVC Foam

AVAILABLE AS SINGLE OR
MULTI BEARING X-RAY
TEST CARDS



PRODUCT CODE: X-RAY CARD

DETECTAMET™

Test Ball

FR: Billes de test
ES: Bolas de prueba
DE: Testkugeln

**ISO 9001
Quality
Assured
Supplier**



Sizes (diameter):

- 50 mm (2")
- 35 mm (1.37")
- 30 mm (1.18")

Colours:

Acrylic:

PRODUCT CODE: BALL

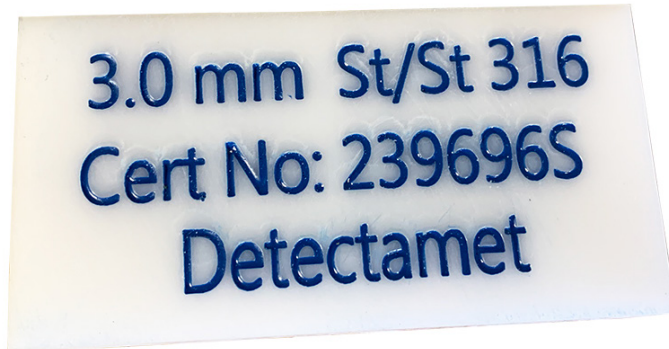
**FREE CERTIFICATE OF CONFORMITY
WITH ALL DETECTAMET TEST PIECES**



Test Card

FR: Cartes de test
ES: Tarjetas de prueba
DE: Testkarten

**ISO 9001
Quality
Assured
Supplier**



Test Cards Available in hi-vis Acrylic!

Sizes:

80 x 40 x 10 mm (3.14 x 1.57 x 0.39")

Bespoke Sizes Available

Colours:

- Acetal
- PTFE
- Acrylic



PRODUCT CODE: CARD

Test Stick

FR: Baguettes/tiges/bâtons de test
ES: Varillas/bastones/barras de prueba
DE: Teststäbe/Prüfstäbe/Teststäbchen

Available with
Same Day
Despatch!

**ISO 9001
Quality
Assured
Supplier**



ACETAL / PTFE
TEST STICK



HI-VIS ACRYLIC
TEST STICK RANGE

Sizes:
100 × 12 × 10 mm (3.9 × 0.47 × 0.39")
100 × 20 × 20 mm (3.9 × 0.78 × 0.78")
100 × 30 × 30 mm (3.9 × 1.18 × 1.18")

Bespoke Stick Sizes Available

Colours:

Acetal



PTFE



Acrylic



PRODUCT CODE: STICK

FREE CERTIFICATE OF CONFORMITY
WITH ALL DETECTAMET TEST PIECES



In Partnership
with
BROS



DETECTAMETTM

Test Puck

FR: Galets/disques de test
 ES: Discos de prueba
 DE: Testpucks/Prüfscheiben

**ISO 9001
 Quality
 Assured
 Supplier**

Sizes (diameter):
 35 x 10 mm (1.37 x 0.39")

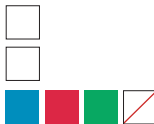
Bespoke Sizes Available

Colours:

Acetal

PTFE

Acrylic

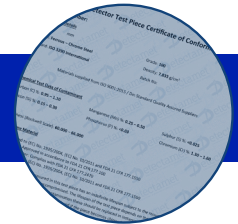


NEW FROSTED
 TEST PUCK



PRODUCT CODE: PUCK

**FREE CERTIFICATE OF CONFORMITY
 WITH ALL DETECTAMET TEST PIECES**



Test Cube

FR: Cubes de test
 ES: Cubos de prueba
 DE: Test-Würfel

**ISO 9001
 Quality
 Assured
 Supplier**



Test Cubes Available in
 hi-vis Acrylic!

Sizes:

30 mm x 30 mm x 30 mm (1.18 x 1.18 x 1.18")

20 mm x 20 mm x 20 mm (0.78 x 0.78 x 0.78")

Bespoke Sizes Available

Colours:

Acetal

PTFE

Acrylic



PRODUCT CODE: CUBE

Flexi Test Stick

FR: Baguettes flexibles de test
 ES: Barra de ensayo Flexi
 DE: Flexibler Teststreifen



Contaminant can be added to the stick or flexi tube.



Size:
 Handle 100 × 20 × 20 mm (3.93 × 0.78 × 0.78")
 Hosing outside dia. 8 mm (0.31")
 Hosing length 500 mm (19.68")

Bespoke Sizes Available

Colours:

- Acetal
- PTFE
- Acrylic



Flexi Test Stick Available in hi-vis Acrylic!

PRODUCT CODE: FLEXI

FREE CERTIFICATE OF CONFORMITY WITH ALL DETECTAMET TEST PIECES



T-Bar Test Stick

FR: Cartes de test
 ES: Tarjetas de prueba
 DE: Testkarten



Total Size:
 Width 100 mm (3.93")
 Length 150 mm (5.90")
 Thickness 20 mm x 10 mm (0.78 × 0.39")

Bespoke Sizes Available

Colours:

- Acetal
- PTFE

PRODUCT CODE: T-BAR

In Partnership with
BROS

11

DETECTAMET™

Metal Detector Calibrator Test Pen

FR:
ES:
DE:

**ISO 9001
Quality
Assured
Supplier**

Size:
150 x 8.3mm (5.91 x 0.33")

Contaminant Size:
up to 5.0mm Contaminant (0.20")

Colours:

- Ferrous
- Non-Ferrous
- Stainless Steel



PRODUCT CODE: Pen-

**FREE CERTIFICATE OF CONFORMITY
WITH ALL DETECTAMET TEST PIECES**



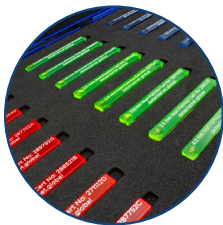
Test Piece Kit (Wands Kit)

FR:
ES:
DE:

**ISO 9001
Quality
Assured
Supplier**

Colours:

- Ferrous
- Non-Ferrous
- Stainless Steel



PRODUCT CODE: 945-T744-X44

In Partnership with
BRCS

12

DETECTAMETTM

Test Piece Shadow Board

FR:
ES:
DE:

**ISO 9001
Quality
Assured
Supplier**

Standard storage sizes for 3, 6 and 9 sticks

Bespoke sizing available



PRODUCT CODE: Stick-SC301/2

**FREE CERTIFICATE OF CONFORMITY
WITH ALL DETECTAMET TEST PIECES**



Metal Detector Test Straw

FR:
ES:
DE:

**ISO 9001
Quality
Assured
Supplier**

Size:
200 × 5mm (7.87 × 3/16")

Contaminant Size:
up to 3.0mm Contaminant (1/8")

Colours:

- Ferrous ■
- Non-Ferrous ■
- Stainless Steel ■



PRODUCT CODE: Test Straw-SC253

In Partnership
with
BROS

13

DETECTAMET™

DETECTAMETTM

Detectamet UK
Unit 1, Halifax Way
Pocklington Industrial Estate
York, YO42 1NR, UK

T: +44 1759 304200
E: sales@detectamet.com

detectamet.co.uk

Detectamet Canada
Unit 13, 2295 Stevenage Drive
Ottawa, Ontario
K1G 3W1, Canada

T: +1-613-736-6560
E: sales@detectamet.ca

detectamet.ca

Detectamet Germany
1-3 Püllenweg, Korschebroich
41352, Germany

T: +492 161 9499 008
E: sales@detectamet.de

detectamet.eu

Detectamet USA
5111 Glen Alden Drive
Richmond, VA
23231, USA

T: +1-804-303-1983
E: sales@us.detectamet.com

detectamet.com

Detectamet Australia
Unit 2E, 128-130 Frances Street
Lidcombe, Sydney
NSW 2141, Australia

T: +61 2 9058 8555
E: sales@detectamet.com.au

detectamet.com.au

Find us on:

 Detectamet

 Detectamet

 @Detectamet

DETECTAMETTM

Detectamet accept no responsibility or liability for any errors or omissions in this catalogue. All information, including the approximate sizes, is provided in good faith and no warranty is given as to its accuracy. Detectamet reserves the right to alter, add or delete products featured in this catalogue and products may vary in design and finish from the ones displayed in this catalogue. All content is protected by copyright and cannot be reproduced without express permission.