



etectametTM

manufacturer of detectable products

Metal & X-Ray Detector Test / Calibration Piece Guide

Manufactured by DetectametTM, 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!**

**Metal & X-Ray Detector
Test / Calibration Piece Guide**



detectamet.global

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.



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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.

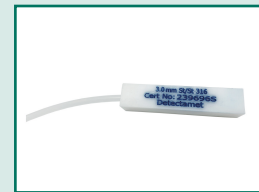
High-Vis Acrylic - Available in 6 colours or clear acrylic. Bright colours are designed for quick and easy visual identification.



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.



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with

BROS

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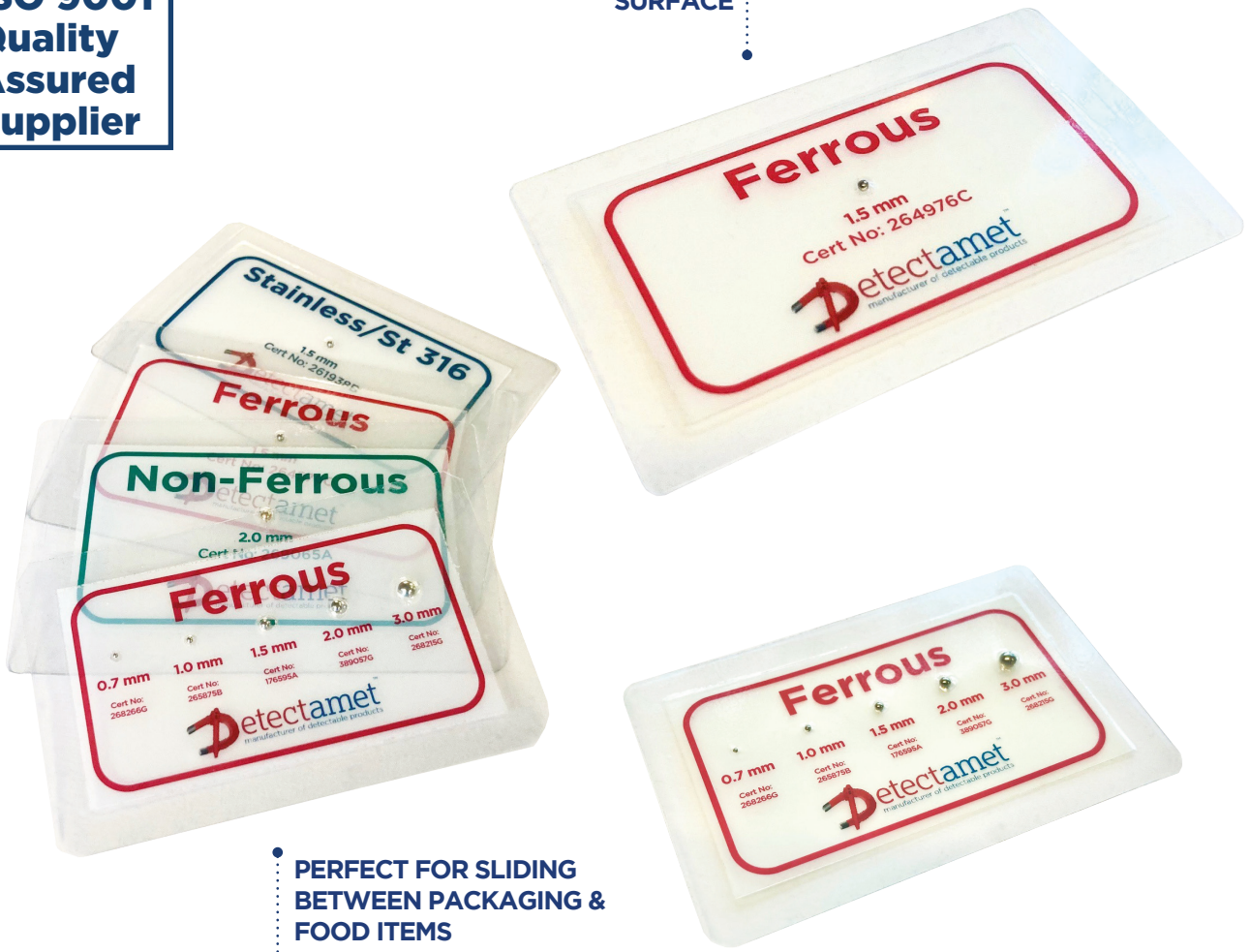
Detectamet

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 x 60 x 3 mm
 (3.30 x 2.36 x 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

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X-Ray Test Card

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

ISO 9001
 Quality Assured
 Supplier



AVAILABLE AS SINGLE OR
 MULTI BEARING X-RAY
 TEST CARDS

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

PRODUCT CODE: X-RAY CARD

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Test Ball

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

**ISO 9001
Quality
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Sizes (diameter):

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

Colours:

Acrylic:

PRODUCT CODE: BALL

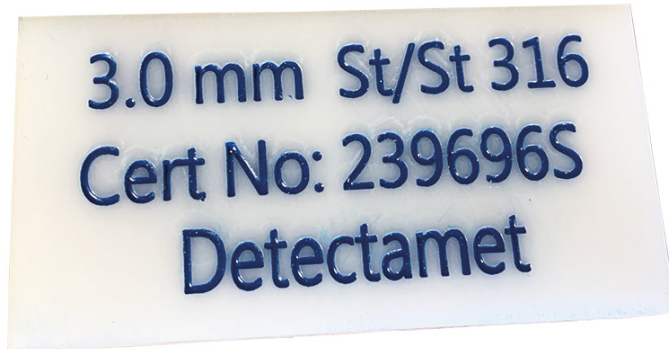
**FREE CERTIFICATE OF CONFORMITY
WITH ALL DETECTAMET TEST PIECES**



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
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Supplier**



ACETAL / PTFE
TEST STICK

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

Bespoke Stick Sizes Available

Colours:

Acetal



PTFE



Acrylic



HI-VIS ACRYLIC
TEST STICK RANGE

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PRODUCT CODE: STICK

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Test Puck

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

**ISO 9001
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Sizes (diameter):
 35 x 10 mm (1.37 x 0.39")

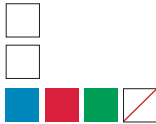
Bespoke Sizes Available

Colours:

Acetal

PTFE

Acrylic



**NEW FROSTED
 TEST PUCK**



PRODUCT CODE: PUCK

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 WITH ALL DETECTAMET TEST PIECES**



Test Cube

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

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 Quality
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 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

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Supplier**

Contaminant can be added to the stick or flexi tube.



Size:

Handle 100 x 20 x 20 mm (3.93 x 0.78 x 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

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T-Bar Test Stick

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

**ISO 9001
Quality
Assured
Supplier**

Total Size:

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

Bespoke Sizes Available

Colours:

Acetal



PTFE



PRODUCT CODE: T-BAR



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Detectamet



detectametTM
manufacturer of detectable products

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, Korschenbroich
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



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