



TM

# Detectamet

manufacturer of detectable products

## 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!**

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



[detectamet.global](https://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.



## 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
- Zirconia

*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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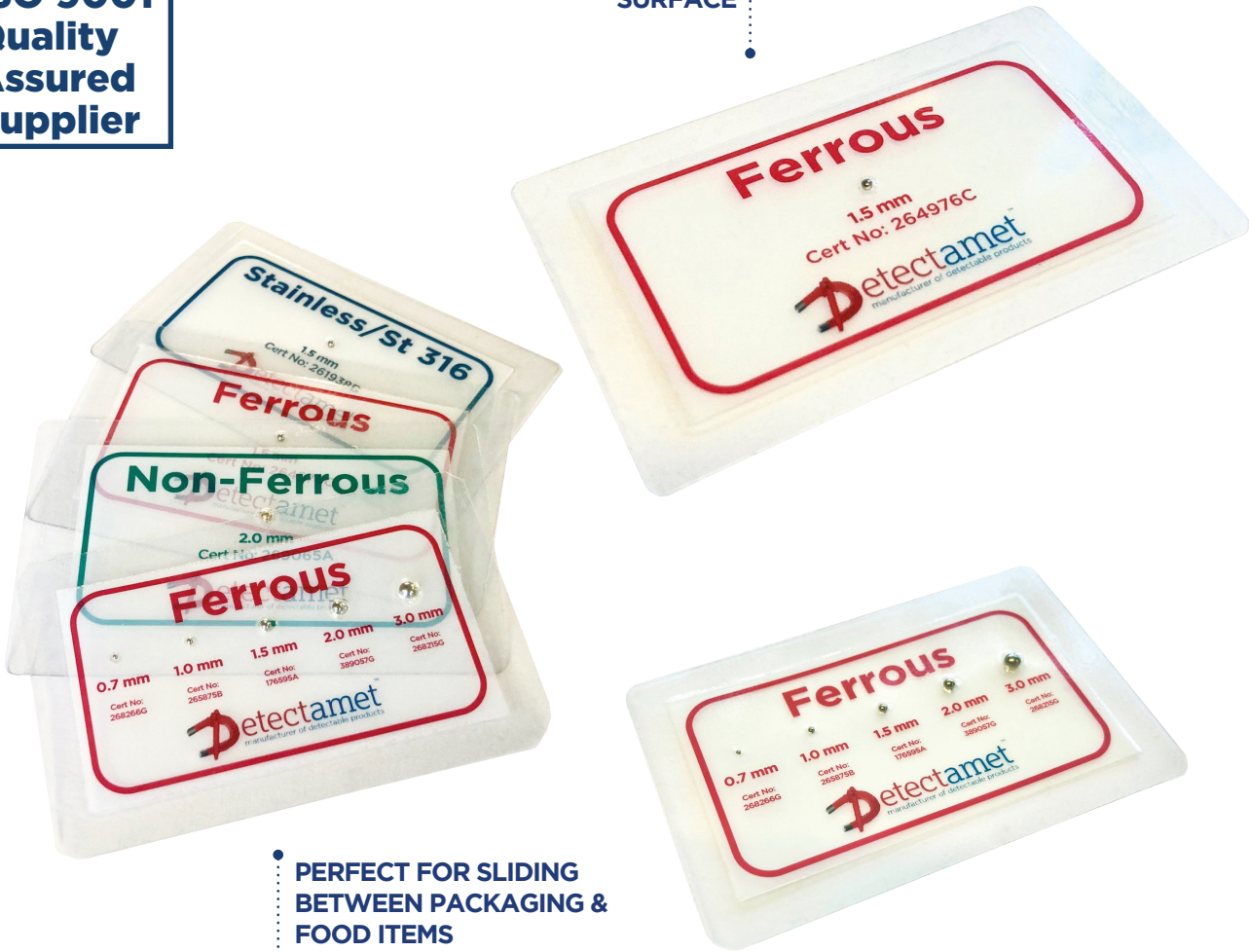
**Detectamet**

# 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

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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

FREE CERTIFICATE OF CONFORMITY  
WITH ALL DETECTAMET TEST PIECES



# 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** ☐

PRODUCT CODE: X-RAY CARD



AVAILABLE AS SINGLE OR  
MULTI BEARING X-RAY  
TEST CARDS



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



**ISO 9001  
Quality  
Assured  
Supplier**

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

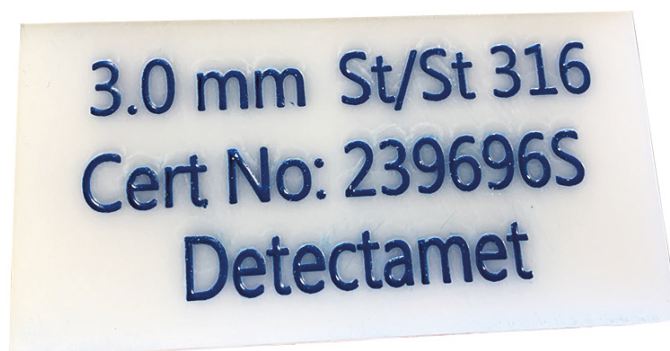
**Acrylic:** ☒

**PRODUCT CODE:** BALL

## FREE CERTIFICATE OF CONFORMITY WITH ALL DETECTAMET TEST PIECES



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



**Test Cards Available in  
hi-vis Acrylic!**

**ISO 9001  
Quality  
Assured  
Supplier**

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

Bespoke Sizes Available

## 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

## 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

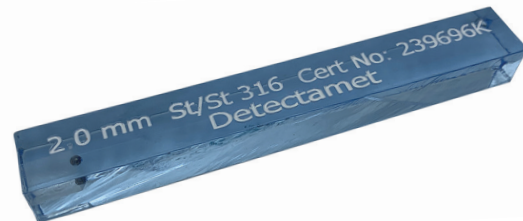


Acrylic



**PRODUCT CODE:** STICK

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HI-VIS ACRYLIC  
TEST STICK RANGE

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## 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

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**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

**ISO 9001  
Quality  
Assured  
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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