



FOOD SAFE METAL PENS

BUILT FOR SAFETY



Product Description:

The Food Safe Metal Pen is a fully metal-detectable, one-piece design, making it ideal for hygiene-critical food and pharmaceutical production where contamination is not an option.

Crafted from stainless steel with a brass nib and an optional steel clip, it features a sealed plastic ink cartridge securely enclosed within the body—ensuring the end plug remains intact even under force.

Advantages

- Detectable by in-line metal detection systems & x-ray inspection systems
- Can be used to form part of HACCP and BRC procedures
- Contains no detachable parts, for added safety in controlled environments
- Feature a metal clip with blue and black writing ink
- Displays due diligence in the prevention of foreign body contamination

Housing Material

Stainless Steel

Cartridge Material

Stainless Steel

Pack Quantity

50

Pack Weight

1.2 lbs.

Body Styles

With a clip & with a lanyard loop

Body Colors Available

■ Silver

Ink Colors Available

■ Blue

■ Black

Ink Specs

- ✓ Temperature Range
41°F - 86°F
- ✓ Unpressurised ink
- ✓ MITI Listed (Japan)
- ✓ ISO 12575 - 2 DOC G2
- ✓ ISO 12575 - 2 DOC H
- ✓ ISO 12575 - 2 G2
- ✓ ISO 12575 - 2 DOC A2
- ✓ ISO 12575 - 1 A M
- ✓ TSCA Listed (USA)
- ✓ ISO 12757 - 1
- ✓ ISO 12757 - 2

Item Number

D1044 (with a clip)

D1045 (with a lanyard loop)



TESTING RESULTS

X-Ray Visibility

X-ray visibility depends on material density, so our Detectable Polypropylene includes a food-safe, high-density additive for improved detection. Testing shows consistent positive readings for whole pens and fragments as small as 5mm, though detection may be reduced when fragments are buried in denser products. Performance varies by product type and density, so we recommend professional testing and potential recalibration of x-ray inspection systems to ensure reliable detection.

Metal Detectability

Our Detectable Polypropylene Co-Polymer is an electromagnetically detectable and x-ray visible plastic, with a stainless steel ink cartridge. Metal detectability varies based on factors such as calibration levels, product type, aperture dimensions, and orientation, with the “orientation effect” influencing detection sensitivity. Our testing used a worst-case scenario approach, equating pen components to ferrous ball test piece equivalents for calibration ease. As metal detector sensitivity varies, BSC recommends professional testing and potential recalibration of detection systems to ensure reliable performance. UKAS-accredited test pieces are available for purchase.