

Technical data sheet

SECURING BUSINESS AROUND THE WORLD

OptiGard™



Machine-readable hologram Combining overt and covert security

Protect your brand, products and important documents against counterfeiting with OptiGard™ high security, machine-readable holograms. OptiGard™ holograms offer multi level security for documents and products. All the advantages of a hologram, enhanced by a covert, machine-readable security feature embedded at the point of manufacture for straightforward yes/no authentication.

The application of OptiGard™ to documents and products provide each item with a permanent identity, which can be authenticated as genuine or fake by a compact electronic handheld reader.

OptiGard™ protects documents and products against counterfeit and fraud, the perfect solution for brand owners who want maximum security at minimal cost.

FEATURES

- Secure machine-readable holographic foil
- Applied using standard hot-foiling equipment
- Machine-readable for counterfeit detection
- Can be supplied with a bespoke designed holographic image
- Simple yes / no authentication (i.e. genuine or fake)

BENEFITS

- Protects against counterfeit and fraud
- Multi-level security - visual hologram & covert machine readability
- Provides product authentication
- Enhances sales by reducing fraud
- Increased security at minimal cost

Specifications - applied to document

OptiGard - document security	Applied onto document
Appearance	Holographic image is on top surface
Size (width)	Minimum width - 8 mm
Size (length)	Minimum length - 10mm
Thickness	7 ± 1µm (7 microns)
Temperature	Applied to document: -10°C to 60°C
Humidity	Applied to document: up to 90% RH

Specifications - supplied in reel format

OptiGard - security foil	Supplied in reel format
Appearance	Holographic image is on top surface
Reel length	Maximum of 100,000 foils per km
Reel diameter	Variable according to supplied length
Reel size	Reels supplied on 1" (1 inch) cores
Temperature	Storage: 0°C to 50°C
Humidity	Storage: up to 60% RH

Document security - TSSI's product range

	DeedMark (hot foil)	DeedMark (hot roll)	OpVantia (thread)	SmartMark (hot foil)	OptiGard (hot foil)
Surface feature	Yes	Yes		Yes	Yes
Embedded			Yes		
Windowed			Yes		
Unique codes	Yes			Yes	
Batch codes	Yes	Yes	Yes	Yes	
Machine readable	Yes	Yes	Yes	Yes	Yes
Simple Yes / No					Yes