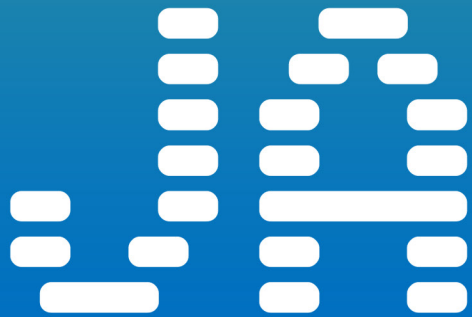
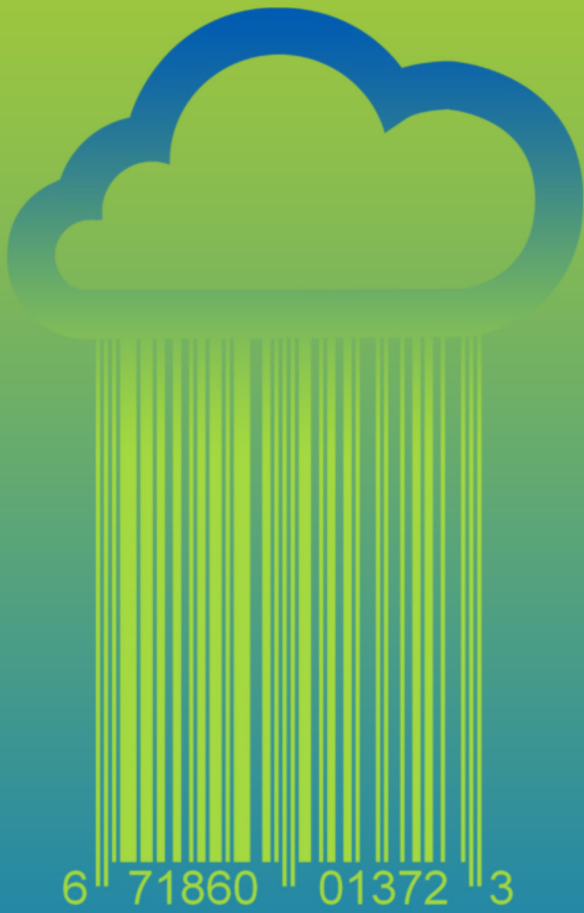


COUNTERFEIT PREVENTION



BRAND
GUARD



**JA SECURITY
& INNOVATIONS**

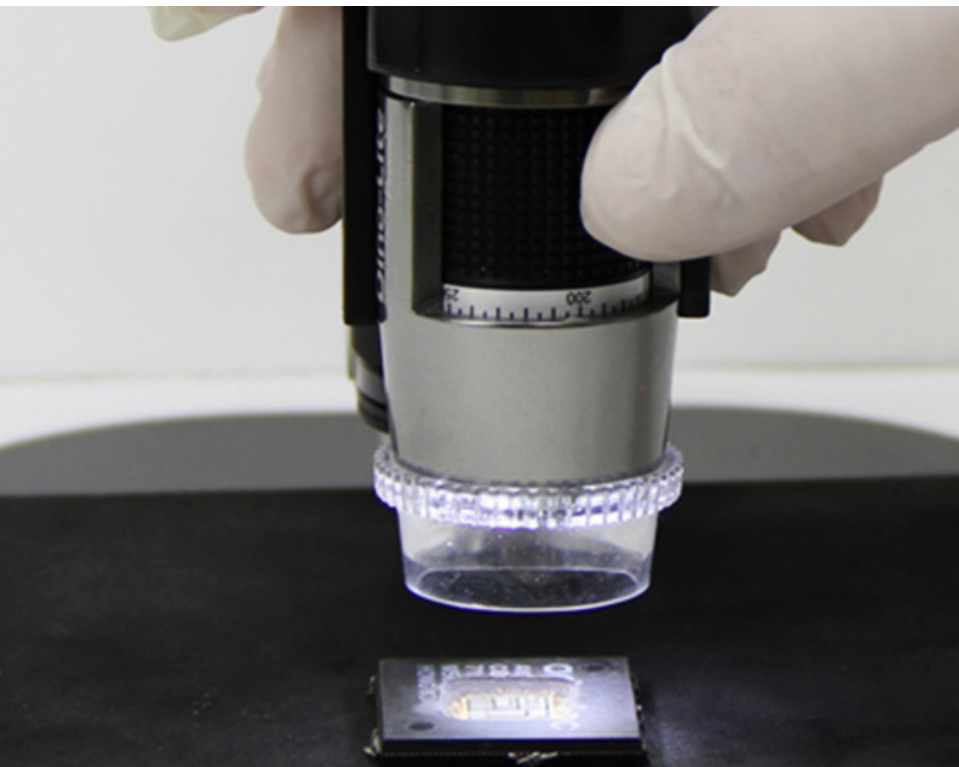
Our Technology Partner



WHAT is JA-BrandGuard?

Most security features are not individual and unique for any single protected item.

JA-BrandGuard prides itself in being able to provide a unique identifier for all your goods.



JA-BrandGuard is a patented Anti-Counterfeit solution that uses laser marking with a stochastic system to provide a unique identifier for your goods. The encryption can be applied through laser perforation, engraving or an ordinary seal

We have two security solutions for customers to choose from:

SECURITY FEATURE I : ENCRYPTED MARKING

SECURITY FEATURE II: CODE OF MATERIAL

WHAT is JA-BrandGuard?

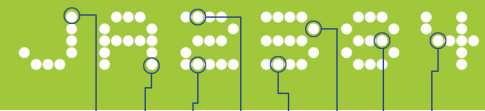
SECURITY FEATURE I : ENCRYPTED MARKING

Serial/Lot Number/Logo + Random Encryption

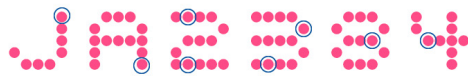
JA Encryption



=



38775577
Hidden Number



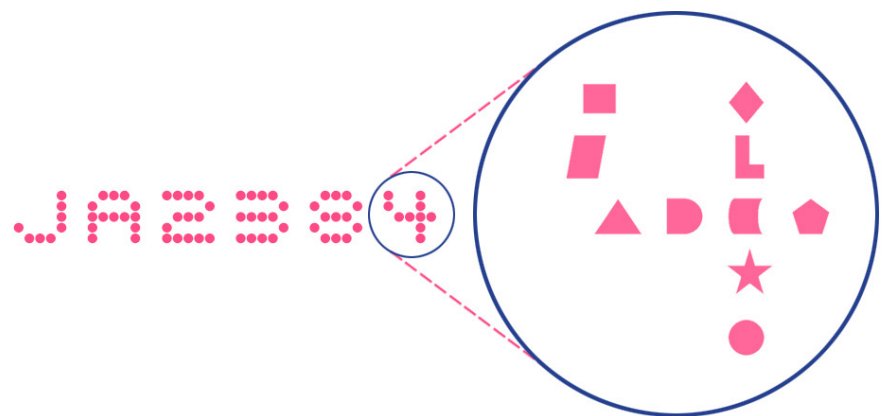
For e.g. The 8 selected circles are moved from the normal position in a unique manner, making the image totally unique, (6!)⁸ combinations.

The encryption can be done on a number, logo or any image of our customers' choice.

The connection and relationship between the visible image (information, number, and others) and the embedded secret (hidden) data becomes stored in the cloud database.

Additional Security Layer:

Increase in the number of security combinations by using graphic shapes instead of 'plain holes'

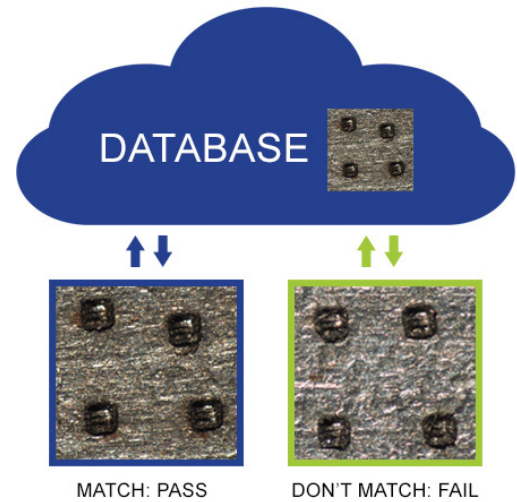
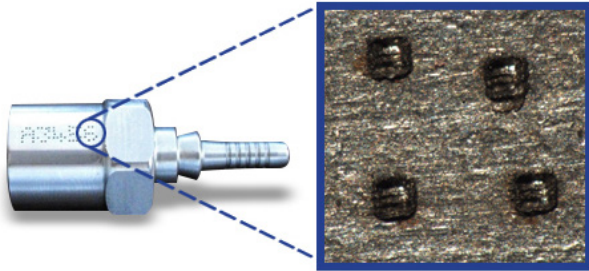


WHAT is JA-BrandGuard?

SECURITY FEATURE II: CODE OF MATERIAL

Unique Surface Structure of Laser Mark

Unique Identifier for every item
"Code of Material"



Code of material, like fingerprints that are unique for every human being, relies on the unique structure of the material of every individual item

Images are recorded into a database indexed by the serial number of the item and is utilised for the subsequent verification and an authentication of the originality of the item.

WHO should use JA-BrandGuard?

JA-BrandGuard is suitable for Brand Owners for protection of goods, Government Agencies for protection of High Security documents or Laser Marking suppliers looking to provide enhanced service to their customers.

WHERE JA-BrandGuard can be applied?

Our solution can be applied over any kind of material such as protected metal objects like machines or machine parts, protected glass objects like ampoules, bottles, pharmacy packaging, labels, etc.



Metal



Plastic




Glass



Paper



Labels

A close-up photograph of a dark, brushed metal surface. A white rectangular label is affixed to the surface. The label contains the number '24257170' in large black font, the number '3491000039315551' in smaller black font below it, and a square QR code to the right of the numbers.

24257170
3491000039315551

WHY JA-BrandGuard should be used?

Counterfeiting is at least a \$654 billion industry (Havocscope)
The International Chamber of Commerce believes that global counterfeiting and piracy could be a \$1.7 trillion industry by 2015.



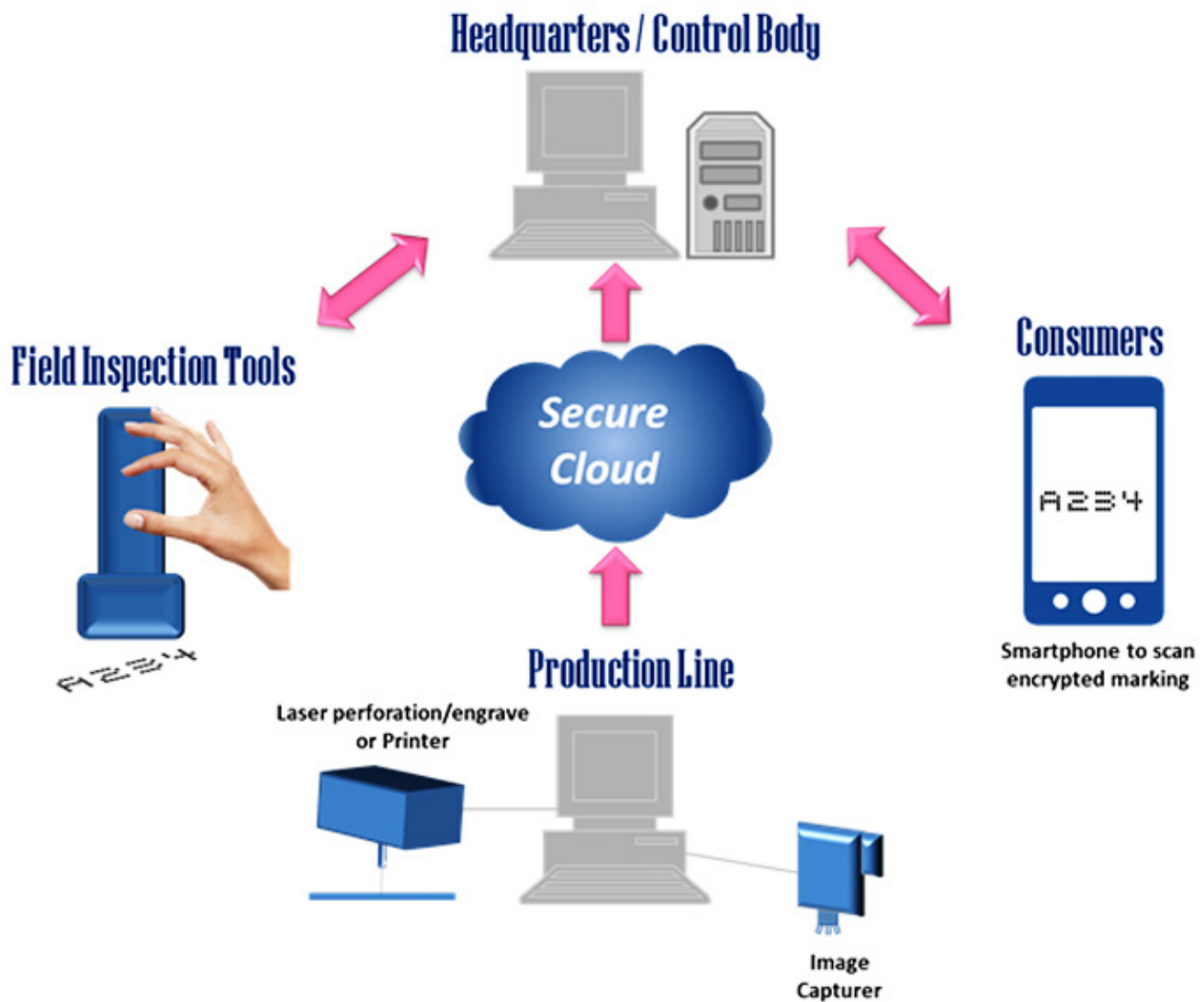
TRACK AND TRACE SOLUTIONS



HOW JA-BrandGuard can protect you over counterfeits?

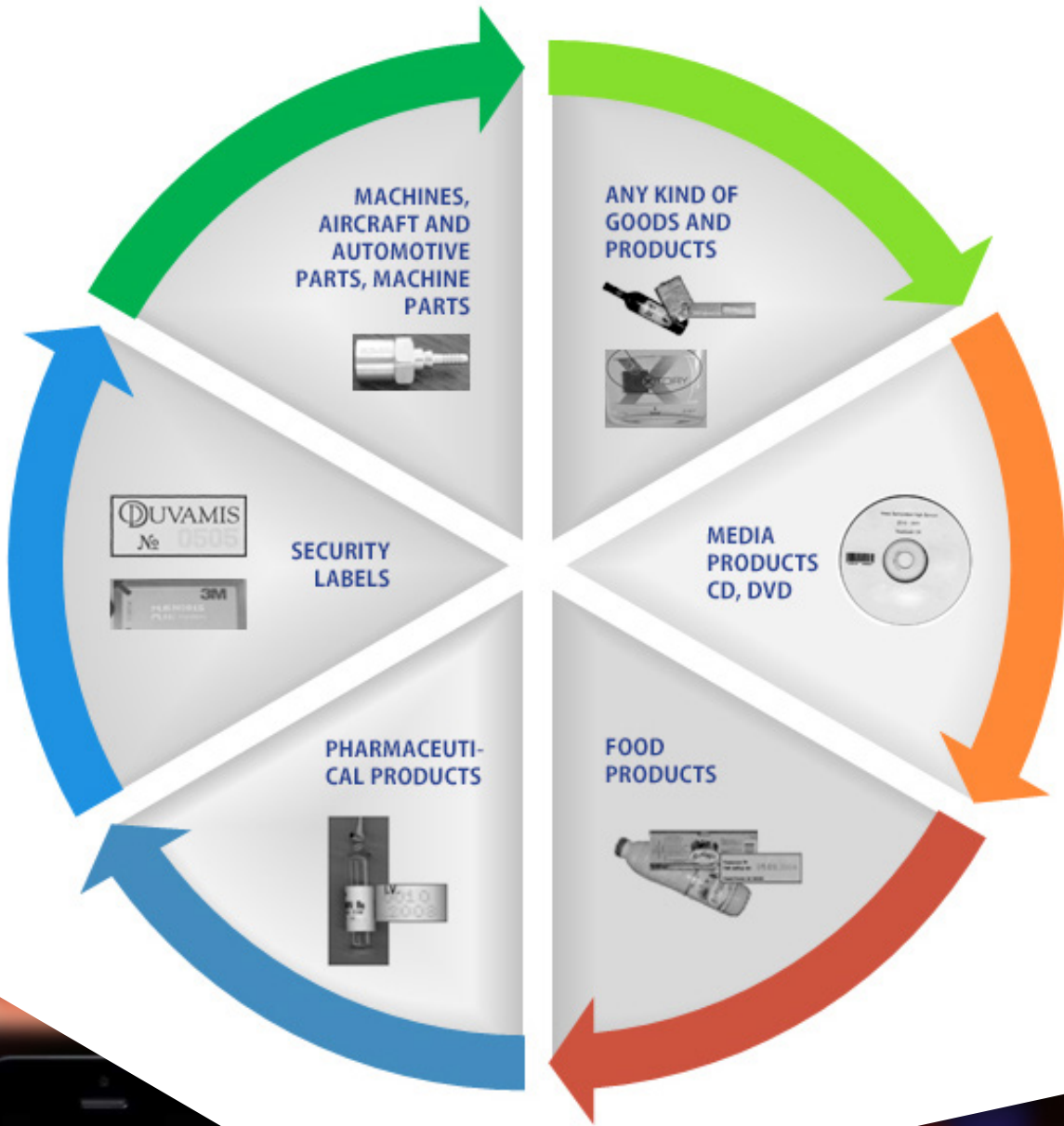
TRACK & TRACE

Our solution allows supply chain partners and consumers to verify the authenticity of the product themselves.



Our solution allows anyone in the world to be part of the fight against counterfeiting using a Smartphone to scan the encrypted marking, sending it to a central database and receiving an instant response. This allows end customer to verify the authenticity of the product themselves.

WHEN JA-BrandGuard can be used?





JA
BRAND
GUARD



SALES & INQUIRIES
Mobile: +65 91892707
Email: info@JA-SI.com
Web: www.ja-si.com



**JA SECURITY
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