

METALLIC MICROMARKERS

~ μ Dot ~

Metalic MicroMarkers – are microscopic nickel particles produced in variable shapes and sizes carrying optically variable information personalized by a variable alphanumeric code and holographic background.

DESTINATION:

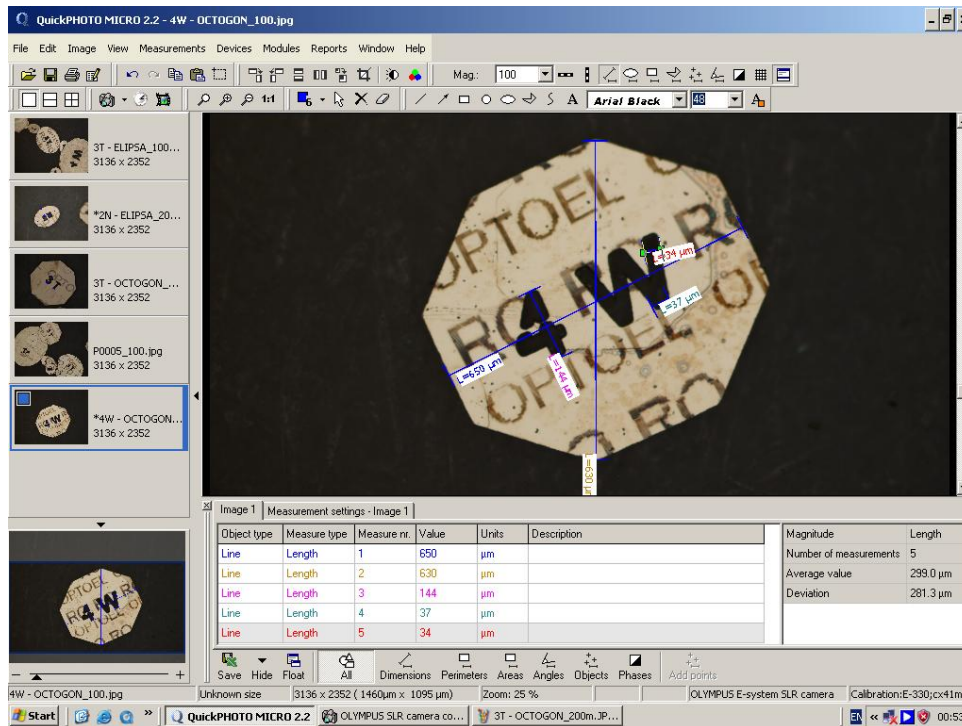
μ Dot's are used for protection of various products, thus reducing the degree of security and possibilities of counterfeiting. It offers a compact option to protect valuables, impossible to detect in a routine visual inspection.



TECHNICAL CHARACTERISTICS:

- Support: Ni film;
- Thickness: 0.7 μ m;
- Size: 200-800 μ m;
- Variable shape: hexagonal, octagonal, square, elliptical or custom shape;
- Size of alphanumeric code: 60-200 μ m;
- Size of holographic background: height 80-200 μ m, width 10 μ m;
- High durability and resistance to extreme temperatures, diluted acids and diluted alkalis;

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To fabricate µDot's we combine techniques of high precision optics and electronics using performing equipments on our production line (electron beam with a resolution of 200 nm, equipment modulated laser beam direct writing with a liquid crystal display etc.)

AREA OF USE:

- Secure high documents: uniformly dispersed in the paper surface with required density;
- The automotive industry;
- Banknotes protection;
- Can be embedded in different materials: plastic, glass, inks, adhesives, paint, varnish etc.

COMPACT, DURABLE AND PERSONALIZED PROTECTION !

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