



Optical Inspection Tools

Quality Control inspections in the surface treatment and the protective coatings industry are often performed with accurate and sophisticated measuring instruments. However, in many cases, a profound visual inspection carried out by an experienced inspector is crucial.

Brought to you by TQC Sheen, our specialist testing brand, we can help with these types of inspections through our comprehensive range of inspection tools and instruments.

Inspection Mirrors

Ideal for visual inspection of hard-to-reach spots. Spots that are difficult to inspect are even more difficult to blast or coat.

With a simple inspection mirror, a visual inspection from an awkward or restricted space, such as behind stiffeners, under or on top of i-beams, becomes easy to perform.



Art.no.	LD3004	LD3025
	Compact telescopic Mirror	Robust telescopic Mirror
Diameter Mirror:	Ø 31 mm	Ø 51 mm
Length in/out:	In 130 mm Out 455 mm	In 254 mm Out 375 mm
Materials:	Glass/metal	Glass/metal
Weight:	40 g	100 g

Special Lighting

Visual inspections demand proper lighting. Dependent on the circumstances the need for light can vary from extremely bright or just moderate direct light, floodlight, white light or UV etc.

General Inspections:

Standard LED or halogen illumination

Surface cleanliness or pinhole detection:

UV-LED illumination

Color testing:

Artificial daylight



LD7220



DI0035



DI0090

DI0035 – LED pocket flashlight

Light source: Cree Q4 LED

Light color: White

Dimensions: 118 x 26 mm

Weight: 73 g

Power: 3x AAA battery

Accessories: Pouch, Wrist strap

DI0090 – Inspector Flashlight

Light source: 3x LED

Light color: Red, UV and white

Dimensions: Ø37 x 156 mm

Weight: 149 g excluding batteries

Power: Rechargeable Li-ion battery

Accessories: Pouch, Wrist strap, USB cable and mains and car adapter

LD7290 – TQC UV flashlight

Light source: UV LED

Light color: Ultraviolet 410 nm

Dimensions: 126 x 32 mm

Weight: 76 g

Power: 3 x AAA battery

Accessories: Pouch, wrist strap

LD7220 – UV inspection spotlight

Light source: UV LED

Light color: Ultraviolet 365 nm

Dimensions: 160 x 45 x 25 mm

Weight: 190 g

Power: One-cell, 3.7V 2600 mah rechargeable Li-ion

Accessories: UV protective glasses, Li-ion battery, battery charger, carrying case

Surface Microscopes

Surface cleanliness, marks, pinholes, fish-eyes, delaminating, cracks and many other coating defects require further investigation to find their cause. A portable microscope allows the inspector to examine coating defects right on the spot. Some microscopes are equipped with a reticle so direct measurements can be made.

Art. No	LD6169 Surface Microscope	LD6170 Surface Microscope	LD6205 Surface Microscope	LD6172 Surface Microscope	LD6174 Surface Microscope
Magnification:	10x	20x	40x	60x	100x
Field of view:	20 mm	10 mm	2 mm	2 mm	0.6 mm
Measuring scale/reticle:	Yes 0,1 mm	Yes 0,1 mm	Yes 0.5 mm	Yes 0,02 mm	Yes 0,01 mm
Illuminated:	Yes	Yes	Yes	Yes	Yes
Focusable:	Yes	Yes	Yes	Yes	Yes
Optical material:	Glass	Glass	Plastic	Glass	Glass
Body material:	Plastic	Aluminum	Aluminum	Aluminum	Aluminum
Dimensions:	45x45x45 mm	175x90x55 mm	135x50x40mm	175x90x55 mm	175x90x55 mm
Weight:	100 g	370 g	110 g	370 g	370 g
Accessories:	Soft cover	Hardcase	Soft cover	Hardcase	Hardcase



LD6169



LD6205



LD6170
LD6172
LD6174

Disclaimer

The information contained in this document is liable to modification from time to time in the light of experience and our policy of continuous product development. Check the Industrial Physics website for the latest version.

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