



FLYING SPOT SCANNER

Freely definable scan paths



Precitec's latest optical probe enables high-speed OCT imaging for thickness and topography with CHRocodile 2 IT sensors. Cutting edge technology for inline and offline quality assurance and 3D measurements is used on different kind of materials and surfaces.

The "FSSExplorer" software enables to set up your application easily. Simply define your own measurement procedure by creating a list of measurement geometries. The stand-alone optical sensor CHRocodile 2 IT stores the customized procedure and autonomously controls the probe. Finally, the software visualizes the results and statistics.

DISTANCE

THICKNESS

TOPOGRAPHY

EFFICIENT

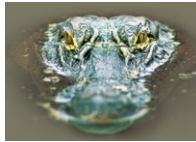
- ▶ Precise
- ▶ Rapid
- ▶ Non-contact

VERSATILE

- ▶ High-speed area inspection for offline and inline quality control
- ▶ Simple POI inspection with definable scan shapes and filters
- ▶ Telecentric imaging for best results on specular reflective surfaces

USER-FRIENDLY & SAFE

- ▶ Simple to integrate
- ▶ Non-destructive measurement
- ▶ Robust
- ▶ Pilot laser



TECHNICAL SPECIFICATIONS OF FLYING SPOT SCANNER

measured value	Flying Spot Scanner 80 mm thickness, distance	Flying Spot Scanner 40 mm thickness, distance
measuring rate	up to 70.000 Hz	up to 70.000 Hz
measuring range	depends on used CHRcodile 2 IT sensor	depends on used CHRcodile 2 IT sensor
working distance	200 mm	122.5 mm
max. jump speed ¹⁾	10 m/s	5 m/s
scan area (diameter)	80 mm	40 mm
lateral resolution		
CHRcodile IT DW	21 µm	6.5 µm
CHRcodile IT	31 µm	10 µm
numerical aperture	0.015	0.05
measurement angle to surface	90° ± 1°	90° ± 3°
operating temperature	+10°C up to +40°C	+10°C up to +40°C
dimension (h x w x d) with optics	288 mm x 114 mm x 201 mm	235 mm x 101 mm x 201 mm
weight lens plus scanner	3.8 kg	3.7 kg
supply voltage	24 V DC (with separate power supply 90 - 264 V AC)	
rated power	max. 60 W	
item number	5010514	5010668

1) max. movement speed of measurement spot

The given data was generated for a typical application and may be different given other circumstances. Furthermore misprints, changes and/or innovations may lead to differences in the listed measurements, technical data and features. Therefore all information is non-binding and technical data, measurements as well as features are not guaranteed.

Precitec Optronik - the smart way to measure.