nub3D
Measurement Innovation

SIDIOXR

Fastest scanning speed in the market

Productivity is a key success factor in the current economic situation. Listening to its customers, nub3d has focused its R&D efforts on developing a high-end version of the SIDIO sensor to meet the needs of the most demanding customers.

SIDIOXR sensor incorporates an enhanced pattern launching technology enabling to scan at almost the speed of a flash. Moreover, the included EDR technology enables the scanning of shiny parts without the use of sprays.

SIDIOXR targets customers mainly in the fields of quality control and inspection where accuracy is even more critical. Working as a stand-alone station or mounted on a mechanical device, this scanner will deliver to meet the highest expectations.



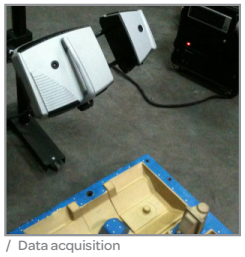
Strengths

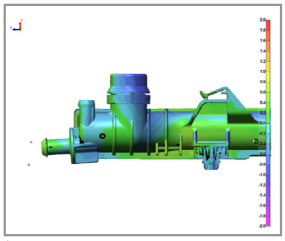
- Fastest speed on the market, in its category range.
- Control of environmental conditions, to ensure there is no influences on the quality of measurement.
- Sensor hardware monitoring.
- EDR technology, for scanning of shiny parts without spray.

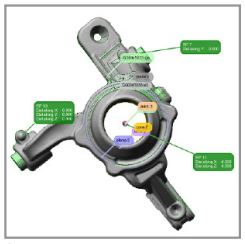
SIDIO XR

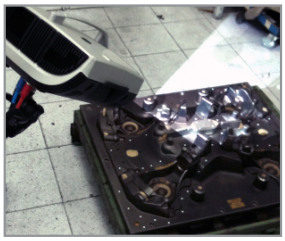
Workflow

1. Sensor is freely positioned in front of the piece to be digitized and moved around to cover all needed areas of the object.
2. All views are registered to the same coordinate system using any of the offered registration methods. (best-fit, targets, photogrammetry or MML®)
3. Data can be used for CAD comparison or object analysis such as dimensions, sections and primitives. Results can be exported in a report.
4. In case of vibrations, SIDIO XR will automatically repeat the measurement.

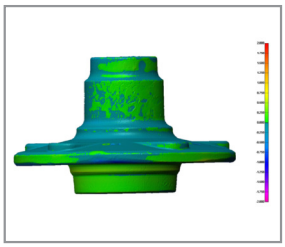

/ Data acquisition


/ Coloured map


/ Control points


/ Data acquisition


/ Model scanning


/ CAD comparision

The Product

SIDIO XR is sold including:

- Measuring sensor SIDIO XR
- Two working volumes
- Studio Tripod
- Transport case
- Triple v2.1 – Digitizing software
- Automatic calibration kit
- 2 year guarantee
- Polyworks/Modeler® or Inspector®

SIDIO XR

This sensor is the high-end version of the SIDIO range. It combines the benefits offered in other versions of SIDIO with a technology enhancement to make scanning processes much faster. This sensor also incorporates a set of environmental condition controls to avoid any influence that may affect the measurement quality.

It is compact, portable and easily configurable in the different working volumes.

Ease of use, speed and highest quality of measurement are the success factors of this measuring sensor.

Technical Specifications

Measuring Time	0,3 sec
Number of working volumes	4 available
Light power	3,000 ANSI Lumen
Expandable	Yes
Weight	7.9 Kg
Sensor Hardware Monitoring	Internal temperature, lamp hours used and left, projector status
Environmental Control	Vibration detection implemented not to affect the measure
Optics cleaning	Not available



Working volumes available

	Volume 1	Volume 2	Volume 3	Volume 4
Measuring volume	120x80x60 mm	200x150x90 mm	340x260x200 mm	550x390x240mm
Optics	28 mm	20 mm	20 mm	20 mm
Point spacing	0.075 mm	0.15 mm	0.25 mm	0.375 mm
Working distance	330 mm	330 mm	700 mm	1200 mm

Contact your local distributor for more information

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