



## LASE 3000D-S-13x Series

3D Laser scanner



The laser scanners out of the LASE 3000D-S-13x Series are three-dimensional measurement devices which derive from the LASE 2000D-13x Series and are especially built for harsh industrial environments and numerous outdoor purposes.

The high performance 3D laser scanners from the product range of the LASE 3000D Series are based on the components of a 2D laser scanner out of the LASE 2000D-13x-Series and a swiveling platform which is powered by a servo-drive.

A high resolution encoder on the servo-drive measures the angle of rotation of the platform and by connection of the 2D laser data with the encoder data, high precision 3D profile measurements are produced. Optionally LASE can provide sophisticated software either to control and collect data from the laser scanner or for complete measurement solutions.

For terms of operation the modular LASE CEWS Application software is also available.

With its large measuring range, unrestricted scan angle and high angular resolution the LASE 3000D-S-13x Series is suitable for a huge variety of industries and applications such as:

- Measurement of dimensions, profiles or levels of objects and environments
- Object positioning
- Container recognition/measurement in ports
- Support of crane open-loop controls by goods detection
- Object protection
- Bulk material measurement at heaps, piles, bunkers or trucks

### Features and Benefits:

- Contactless long range 3D profile measurement
- Range of up to 120 m on dark natural surfaces
- Range of up to 250 m on natural surfaces
- Scan area up to 150° x 360°
- High accuracy, high resolution and fast measuring rate
- Self-test incorporated
- User friendly software
- Simple installation
- Rugged construction type to IP 65
- Outdoor applicable due to integrated heating

### Typical applications



