

LEVALIGN® Ultra iS

Measuring surface flatness and levelling with precision and convenience



For OEMs, maintenance and service

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LEVALIGN® Ultra iS is a rotating laser used for the geometrical alignment of machines. The laser plane generated when rotating its head is used as reference to measure the heights difference of a surface. Thus it is possible to determine flatness and levelness. Its range of 20 m radius can be extended when used in conjunction with the ALIGNMENT CENTER software. The laser beam can be shot at 90° for perpendicularity measurements. With the use of a pentaprism, this characteristic also makes it possible to measure parallelism.



LEVALIGN® Ultra iS improves machine run-time and productivity.

LEVALIGN® Ultra iS has been successfully applied in the following industries for many years: petrochemical processing, paper mills, shipping, glass, marine engine building, mobile crane manufacturing and power generation.

▶ Flatness, levelling and perpendicularity

Levelling or measuring flatness of a plane. Using the PC software makes it possible to measure parallelism and perpendicularity of different surfaces

▶ Bluetooth® module

Wireless data transmission ensures flexible and convenient operation

Variable reference points

Choose the points to set your reference plane

Surface location to be welded or grinded

Reference your measurement either to the lowest or highest point

Manual or automatic tolerance values

Set your own tolerance value or let the system do it for you

Infinite number of points and surface area

InfiniSpliceTM with ALIGNMENT CENTER software allows you to manage large or uneven surfaces as well as different laser setups

For advanced industrial applications

- Wind turbines
- Machine foundations
- ▶ Bed plates and tables
- ► Circular and rectangular flanges
- Machine half casing
- Crane slewing rings

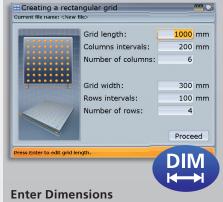
The LEVALIGN® Ultra iS case includes all necessary components for geometrical aligment such as the LEVALIGN® laser, receiver and necessary mounting accessories.



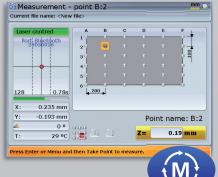


Levelling and surface flatness measurement

Precision alignment in three steps – quick and straightforward



Create the grid to be measured using the Set-up wizard. Customized point properties: position, vertical offset and name.



Measure

Just press a key to take a measurement. Several measurements can be taken at a point and consistent ones averaged using the measurement table.



Display results

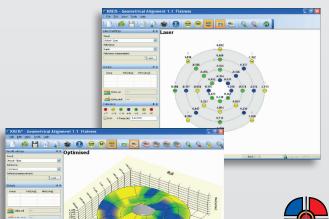
Get and analyze the results. Reference the measurement to the laser plane or to an optimized plane.

More flatness – One software for all PRUFTECHNIK alignment products

ALIGNMENT CENTER is a Windows™ based software platform for all shaft and geometrical alignment applications. It is compatible with all PRUFTECHNIK products.

Take advantage of exclusive features

- ▶ Job preparation beforehand
- ▶ Reference line comparison (similar or counterpart)
- ► InfiniSplice® for infinite number of points
- Measurement of parallelism and perpendicularity using group feature
- ▶ Surface levelling with the laser reference
- Customer defined or automatically evaluated tolerances
- ▶ Professional colour reports in various formats
- ▶ Picture import
- ▶ Company logo





LEVALIGN® laser emitter



PRUFTECHNIK delivers maintenance solutions worldwide









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