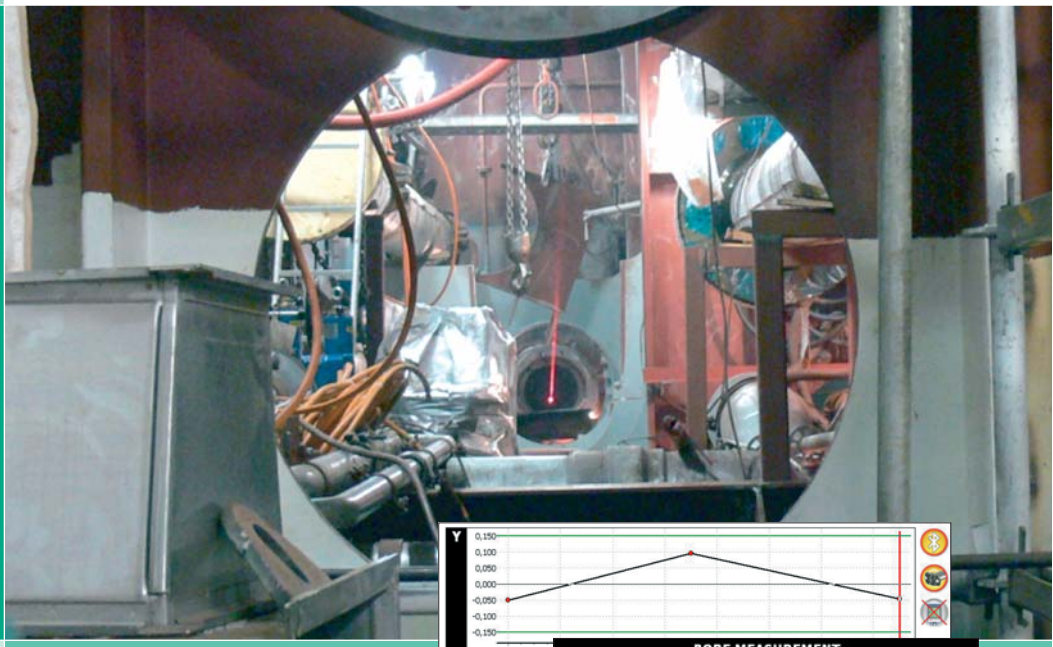
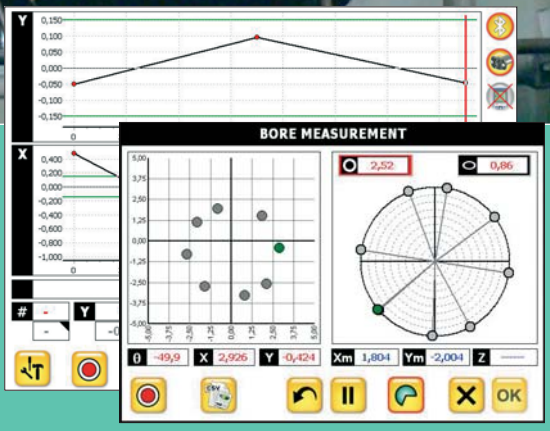
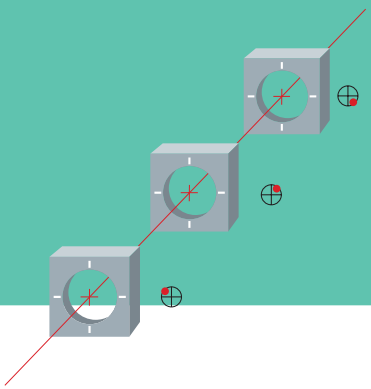
ProOrbit v2

Alignment Software for Bearing Ways and Bores







Status Pro
maschinenmesstechnik

ProOrbit v2

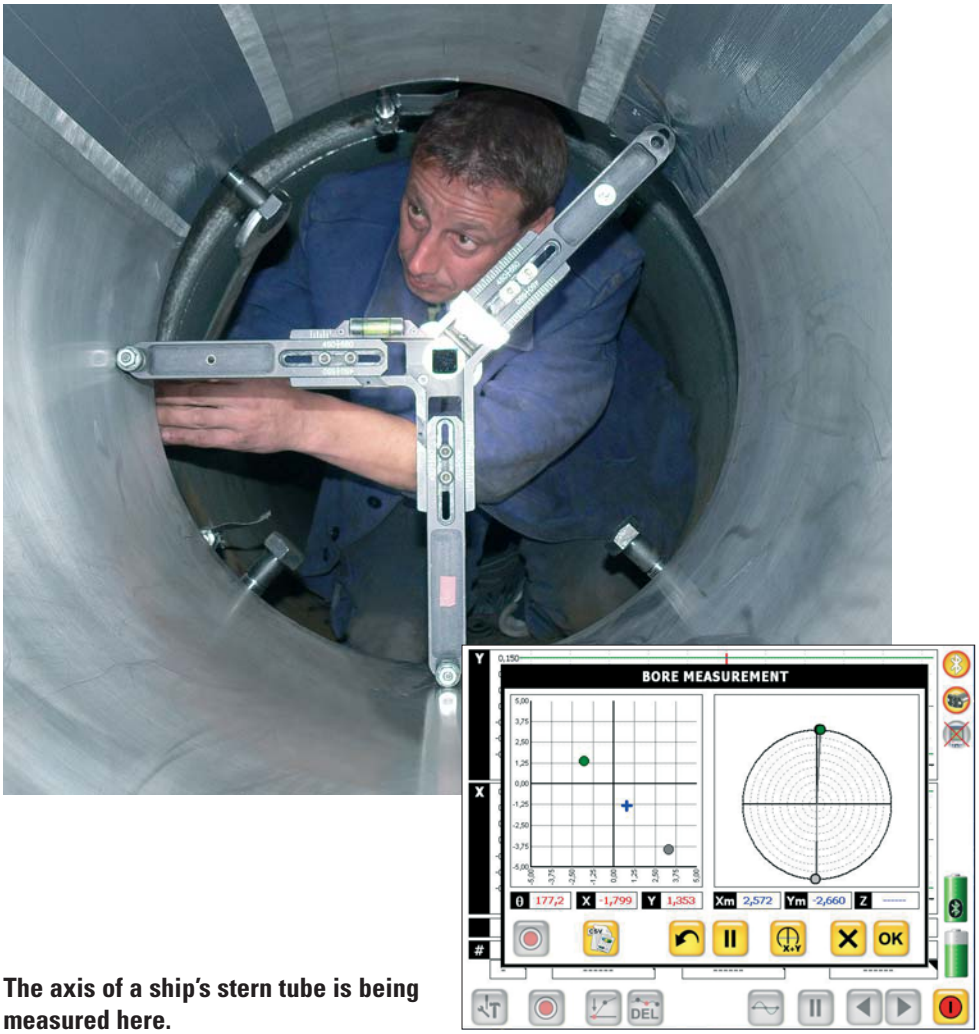
A well-rounded system ...

ProOrbit v2, in combination with the display unit, is the optimum solution for the alignment of bearing ways and bores.

The following functions and characteristics will convince you:

- Excellent user interface: logical and user-friendly and nevertheless fully suitable for professional use
- Wireless transmission of x, y and rotation angle Θ from the R525 laser receiver
- Two-point bore-center detection for circular fits.
- Three-point bore measurements with detection of circular form
- Absolutely precise measurements due to n-point measuring with ovality and roundness detection
- Automatic measuring precision and validity test
- Automatic connection management, wireless via Bluetooth
- Automatic sensor detection
- Measuring point comments can be inserted and edited
- Easy-to-use touch screen, no keyboard needed.
- Reports and measured data can be stored on USB stick.
- Automatic calculation of the best reference
- High-performance display unit is robust and yet lightweight.

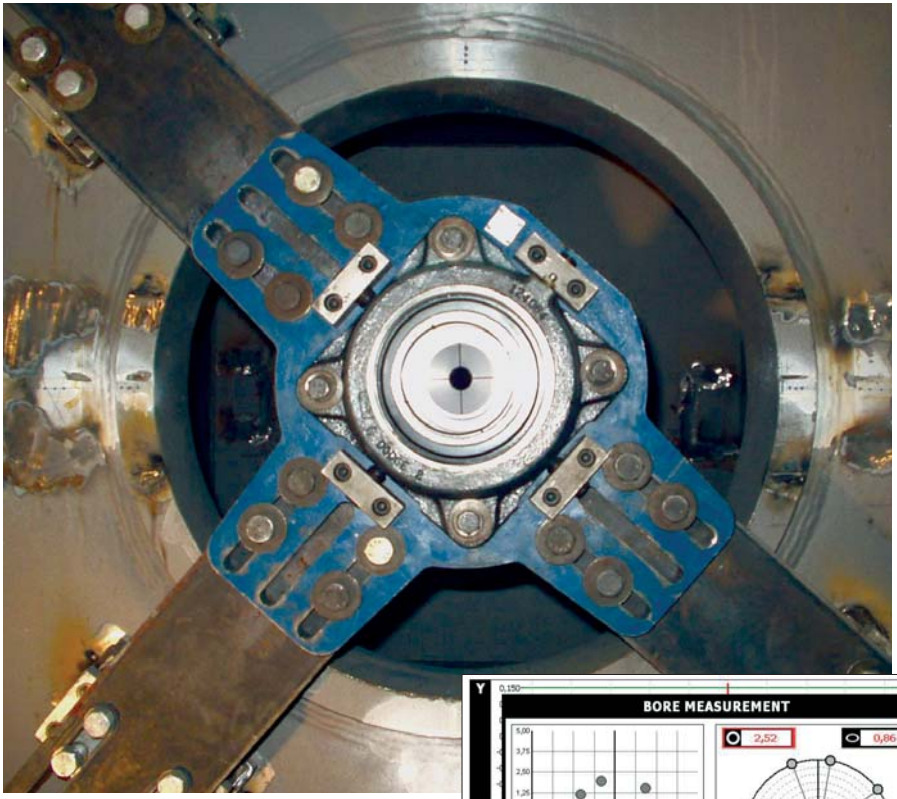
Measuring the bore center

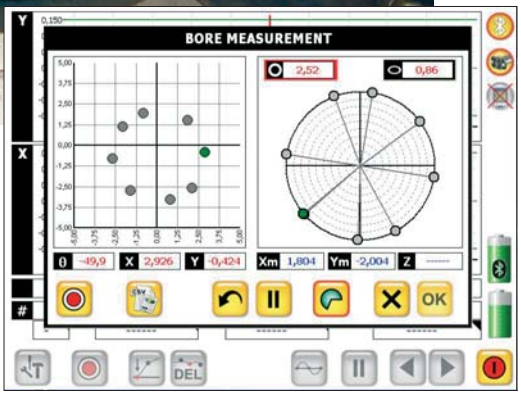


The axis of a ship's stern tube is being measured here.

Space is at a minimum. The work is made easier by the spring-mounted tensioning device of the sensor and the wireless data transfer. The quality of the measured points can be determined later. For such critical and physically strenuous measuring tasks, user-friendly and pragmatic technology is appreciated.

Measuring the bore center

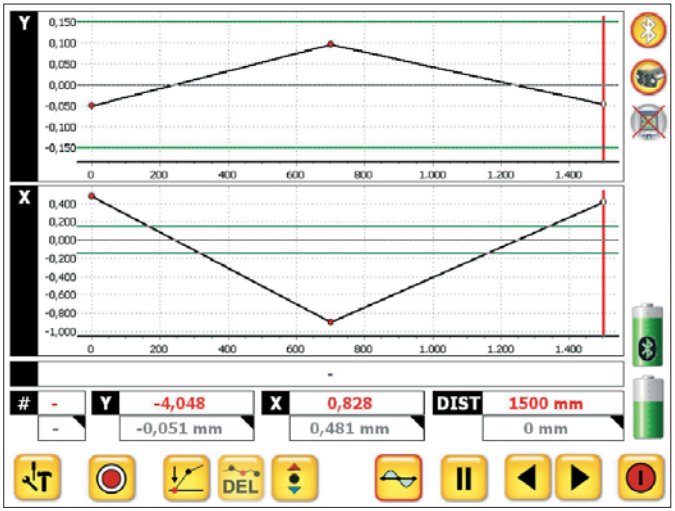




Measuring the bore center with n measuring points

A bore is being prepared here. Measuring precision is extremely important in such tasks.
It is necessary to know whether the bore is oval or round in order to determine the alignment of the boring mill. The measuring precision is increased significantly because the validity of each measurement is tested automatically.

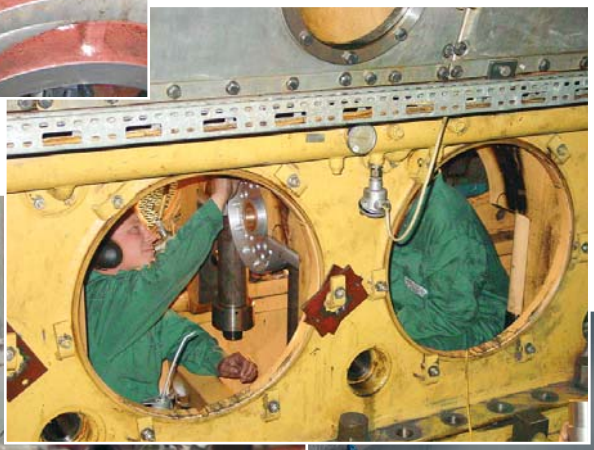
Each measured bore determines the distance from the center of the bore to the laser reference. Bores are added successively.

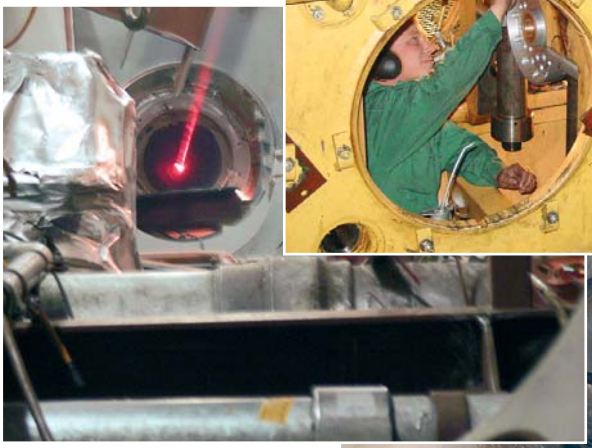


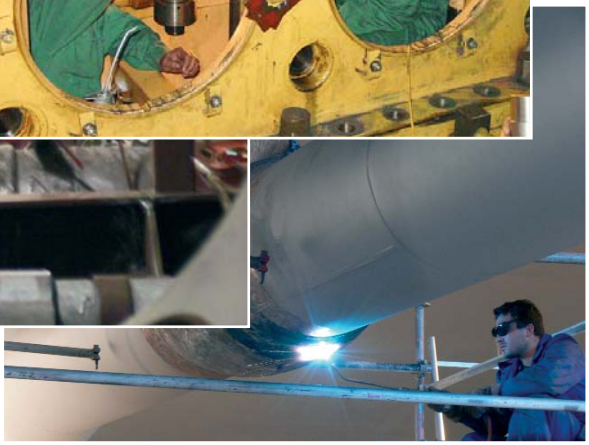
In the overview, you can see the relative alignment of each bore to your chosen reference line. You can choose your reference by zeroing two bore centers or by using a best fit function. Moving a bore (bearing pedestal) is also supported by the software.

Applications

Whether you need to test large motor blocks, measure ship shafts and stern tubes, vertical shafts, universal joints or articulated joints of huge tilt bridges, Status Pro supports you with a wealth of measuring experience – beyond the state of the art – in addition to pragmatic technology.







Register new sensors – license key

When you order a measuring package with a display unit from Status Pro, all components are ready to use when you receive them. If you wish to use your own computer or add additional sensors later, they have to be registered in the software in order to enable communication.

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Für Firma ABCD
Herr Muster
Musterstr 1234
44866 Bochum

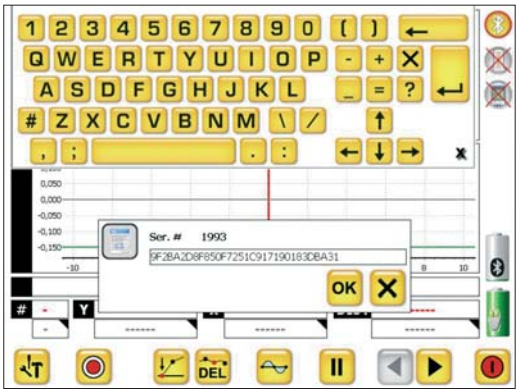
Pro Line V2 License 18.01.2008

Anbei erhalten Sie den Lizenzschlüssel für Ihr RS20 Gerät. Bitte bewaren Sie dieses Schreiben sorgfältig auf.

Serial 1993
License Key 9F2BA2D8F850F7251C917190183DBA31

With your sensors you receive a delivery note that includes a license key.

When you start ProOrbit v2, the new sensor is located automatically and the software prompts you to enter the license key.



Enter and confirm the license key that you received for the sensor. The unit is now ready for operation.

DU310 UMPC

Part No. IT 200310

Operating system	Windows XP prof. (UMPC Edition), XP embedded or CE 5.0
Processor	AMD Geode LX800
Memory	512 MB - 1 GB RAM
Mass storage	512 MB - 8 GB Flash or 30 GB hard disk
Display	10.4“ TFT, 1024x768, HiBrite
Touch Screen	Control with pen or finger
Interfaces	USB 2.0, CardBus PCMCIA Type II, CF-Card Slot, Bluetooth integrated, WLAN integrated, VGA
Security	Fingerprint reader, Intel WLAN Security
Rechargeable battery	Li-Ion 14 Wh internal, external extra battery 28 Wh replaceable or 74 Wh battery pack in carry bag
Housing	Magnesium/aluminum with rubber guard
Operating environment	Temperature 0–104 °F, relative humidity 0–90 % n.c.
Dimensions & weight	appr. 8.3x10.3x0.7 in, 2 lbs incl standard rechargeable battery
Special features	Front is splash & water proof, shock proof from as high as 4 feet (with rubber guard), 5 configurable keys, up to 4 hours of operation; Optional: multi-language, daylight display

Accessories for DU310 UMPC

Illustration	Part No.	Name
	IT 200202	**Replacement control pen** Quantity of 3 / package
	IT 200205	**Rubber guard handle** For holding the UMPC with one hand; is fastened on back on rubber guard
	IT 200206	**Carrying strap for rubber guard handle** Fastened on back on rubber guard
	IT 200207	**External extra battery Li-Ion 28W** Can be replaced during operation
	IT 200208	**1-compartment charging station for external battery**
	IT 200209	**Car DC-DC converter 12V / 24V** For connecting to docking station / car mounts or directly to the unit
	IT 200211	**External expansion battery pack** Li-ion 73W, charge level display

Part No. BG 830200/1

Rotation laser T310

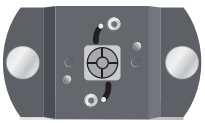
The T310 leveling laser makes even difficult measuring tasks easy! A laser transmitter transmits the signal and a detector measures the beam position. Done!

Laser receiver R525

The R525 is a battery-operated, wireless high-precision laser receiver for perfect straightness measurements. This makes it possible to measure and document a 10-meter guideway in centimeter sections in five minutes.

20x20mm PSD,
without lens

Part No. SP-R525-P



Measuring range	20x20mm
Resolution	1µm in X & Y
Accuracy	+/- 2µm
Inclinometer	Resolution 0,1°
Laser sensitivity	650nm / modulated
Wireless	Bluetooth class 1a (range: 30m (98 ft))
Interface	Rs232 / Bluetooth
Power supply	12V rechargeable battery
Operation with battery	8 hours
Charging time	2 hours – 90%
Protection class	IP 65

R310

The R310 measures the position of the rotating laser beam as a dial gauge from the work-piece for reference. The beam forms an entire reference plane and not just a line like a wire. The R310 is wireless and has a range of up to 80 m (262.5 ft).

Measuring range	80mm (3.15 in)
Resolution	0.01mm
Accuracy	+/- 0.02 + 0.3% linearity
IR control	Range: 50m (164 ft)
Interface	Rs232 / Bluetooth (optional)
Power supply	(rechargeable) battery 6x AA
Temperature range	0-50°C (0-122°F)

Part No. BG 830100

Leica DISTO™

Bluetooth® data transfer - for perfect transfer of measured values!
With the Leica DISTO™ A6, measuring does not stop with the display of the measured value: the data can be processed immediately with a pocket PC or a laptop. The DISTO™ transfer software is included in the scope of delivery.

Part No. FIX DISTO-P

- Measuring range 0.05 to 200m (0.16 to 656.17 ft), typical accuracy ±1.5 mm (±0.059 in)
- Power Range Technology™
- Integrated telescope viewfinder with 2x magnification
- Integrated BLUETOOTH® technology
- Navigation keys
- IP54
- Precise, fast and reliable measurements
- Enables measurement of large distances
- Wireless and error-free data transfer to pocket PCs or laptops
- Protected against splash, water and dust

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