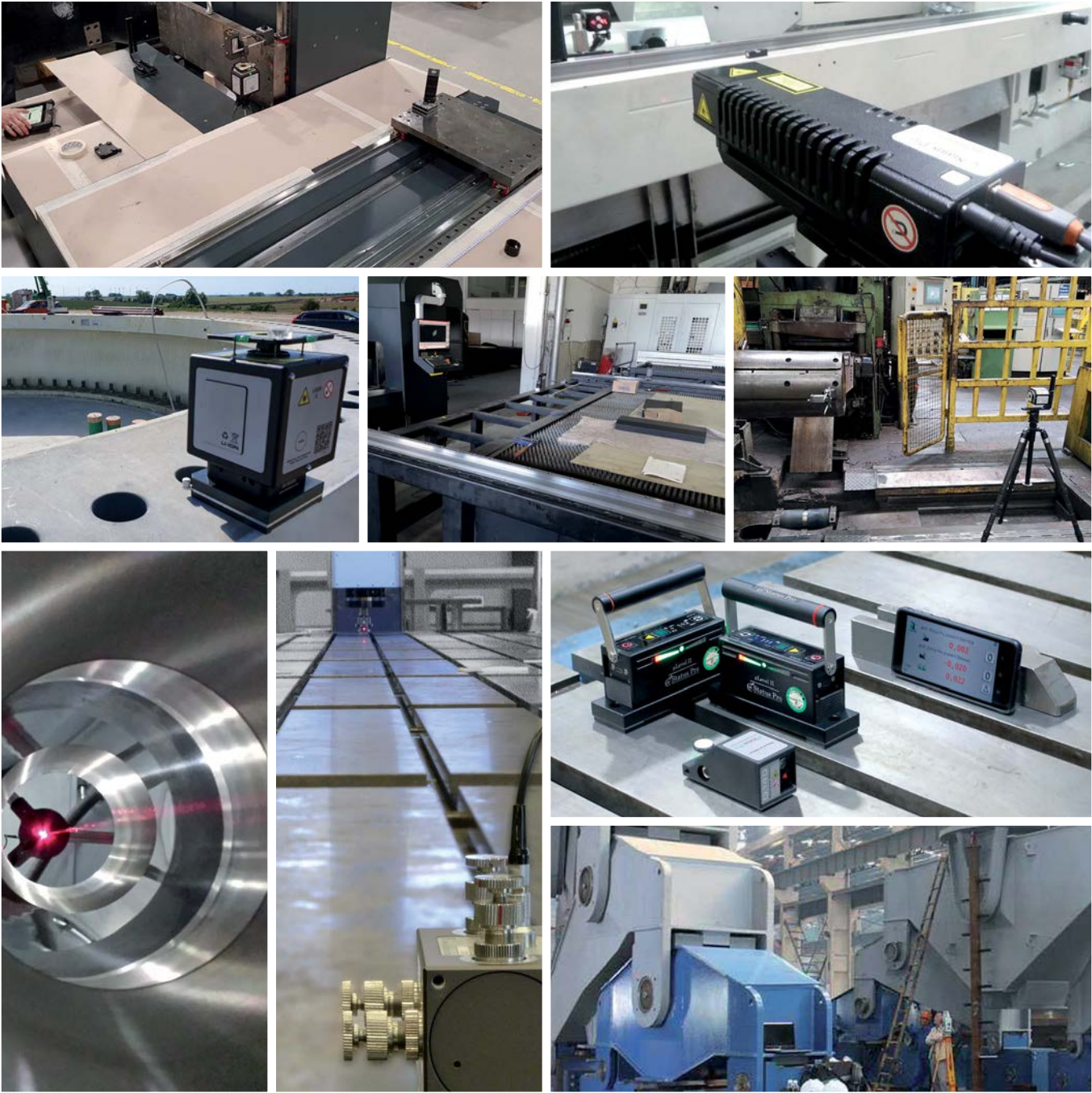


# Machine Geometry Measurement **NUCOS**



BR 1010 E

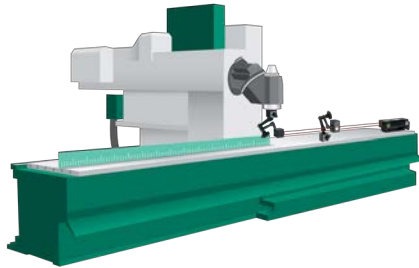
**NUCOS**  **Status Pro**  
maschinenmesstechnik

[www.nucos.fi](http://www.nucos.fi)

# Measurement Technology

## Interferometer

for displacement measurements



## Digital Level

for assembling and precision levelling



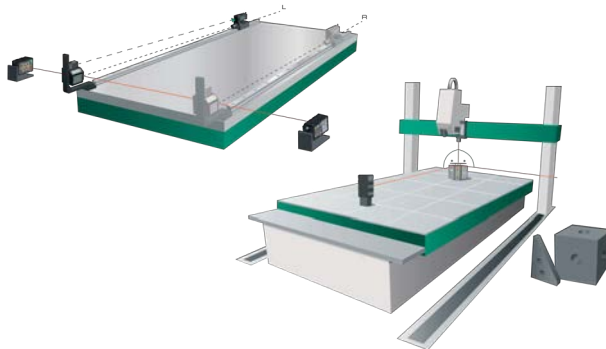
## Point Laser System

for precision straightness measurements



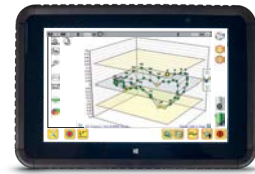
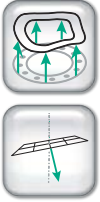
## Precision Rotational Laser System

for straightness, squareness, parallelism, flatness and levelling



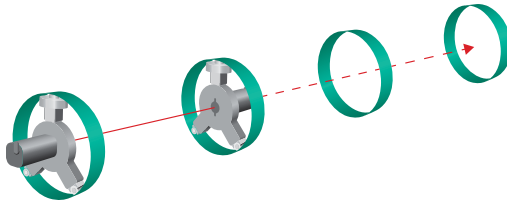
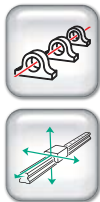
## Flange measurement system

for quick and precise measurement of flanges



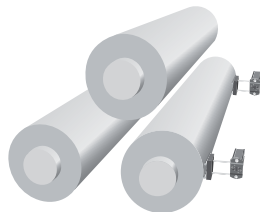
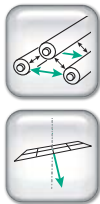
## Bore alignment systems

for the precise measurement of bores and for the alignment of bearing ways



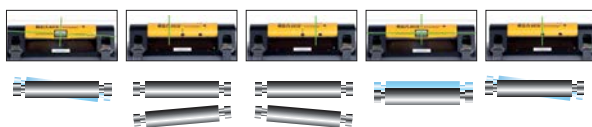
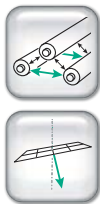
## Roll Parallelism

for the alignment and documentation of rolls

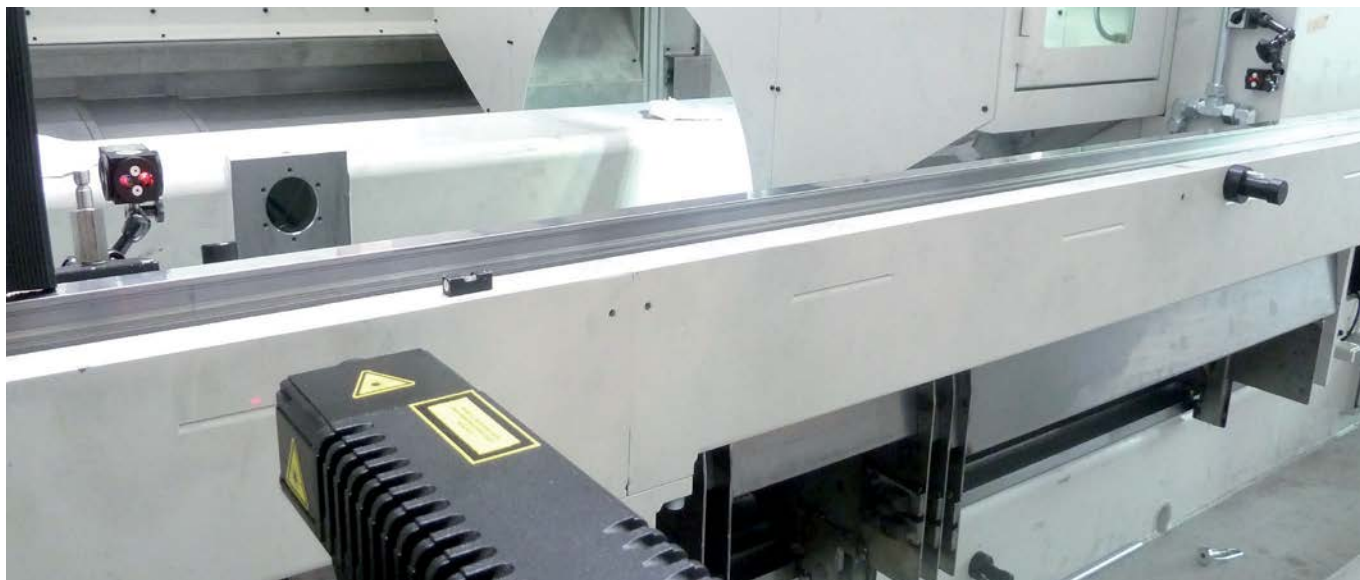


## Roll Parallelism

for the optical alignment of roll parallelism



... complete solutions from Status Pro!



## Geometrical measurement of industry and laboratories

A good Interferometer like the  $\mu$ Line is practically indispensable for the calibration of modern machine tool assemblies. However, before the calibration can take place the machines must be step by step assembled and aligned with great precision. We offer a number of instruments like ProLine and ProLevel to support this important assembly and alignment process.

Status Pro has been developing and manufacturing machine measurement and alignment instrumentation since 1995. Through close teamwork with our customers, suppliers and service professionals we continue to improve our equipment. Making precision instrumentation that's easy to use is our first priority.

Our customers are typically machine manufacturers, assembly, repair, service and quality control professionals. We pursue long-term customer relationships; to support this we often customise our software and mechanical adaption according to specific customer requirements. We also offer a broad range of support services like Instrumentation Rental, repair and calibration services.

**We invite you to visit our web site**

[www.statuspro.com](http://www.statuspro.com)

**For more information**

**just call us at +49 2327 9881-0**



# Measurement technology overview with applications and accuracies

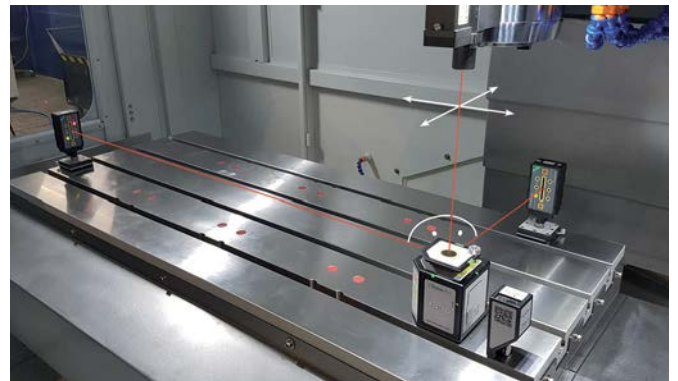
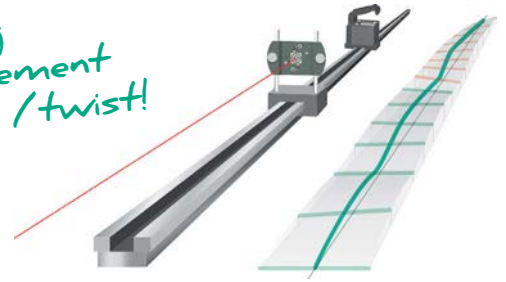
Instrument	Straightness 2 axes	Straightness 1 axis	Parallelism	Squareness	Flatness	Position	Tablet-PC	Comment
<b>Straightness</b>								
ProLine 100	up to 1.0 µm/m	up to 1.0 µm/m					optional	quick setup
ProLine 200	up to 1.0 µm/m	up to 1.0 µm/m		optional up to 5 µm/m	optional up to 5 µm/m with R290		optional	expandable for flatness and perpendicularity
ProLine 300	up to 1.0 µm/m	up to 1.0 µm/m	up to 5 µm/m depending on reference length	up to 5 µm/m	up to 5 µm/m with R310		yes	all in one!
<b>Flatness/Levelling</b>								
ProLevel 50		up to 2 µm/m			up to 5 µm/m		optional	self-levelling, without software
ProLevel 100	optional	up to 2 µm/m		optional	up to 5 µm/m		yes	self-levelling, with software
ProLevel 200	optional	up to 2 µm/m		optional	up to 5 µm/m		yes	self-levelling, with an additional ref. sensor
<b>Inclination</b>								
µLevel 100		1 µm/m	only one axis		1 µm/m		external display	bluetooth integrated
µLevel 200		1 µm/m	only one axis		1 µm/m		external display	2 systems
µLevel 300		1 µm/m	only one axis		1 µm/m		external display/ pc software	Roll und Twist simultaneously
<b>Interferometry</b>								
µLine 10	optional	optional	optional but difficult	optional	optional but difficult	0.001 µm	optional	basic system
µLine 20	5 µm +/- 3 µm/m	5 µm +/- 3 µm/m	optional but difficult	optional	optional but difficult	0.001 µm	optional	complete system with 3D
µLine 30	5 µm +/- 3 µm/m	5 µm +/- 3 µm/m	optional but difficult	10 µm +/- 5 µm/m	optional but difficult	0.001 µm	optional	complete system with 3D and squareness
<b>Flange Measurement</b>								
ProFlange 100		with R260	optional		up to 5 µm/m		optional	basic system with software
ProFlange 200		with R260	optional		up to 5 µm/m		yes	system with software and tablet-PC
<b>Bore Alignment</b>								
ProOrbit 20	up to 5 µm/m	up to 2 µm/m					yes	extended attachment
<b>Roll Parallelism</b>								
ProRoll 200	optional (SW)	optional (SW)	up to 2 µm/m	up to 5 µm/m	Display R260		yes	with tablet-PC
<b>Roll Parallelism RollCheck</b>								
RollCheck 100			up to 0.2 mm/m					rolls 10 up to 100 mm
RollCheck 200			up to 0.1 mm/m					rolls 20 up to 2500 mm
RollCheck 300			up to 0.1 mm/m					rolls 150 up to 3000 mm

# Measuring Equipment for Linear Guides

## ProLine®

The most practical and precise laser based  
measurement system

Including  
Measurement  
of roll / twist!



### Laser Alignment Package for Linear Guides:

- Straightness in two axes simultaneously
- Automated point capture
- Automated distance measurement with our distance laser D-140
- Display of perpendicularity and parallelism
- Measurement of perpendicularity in two axes at the same time
- Intelligent value evaluation ensures reliable measurements
- Continuous measurement possible
- Resolution 0.1  $\mu\text{m}$
- Rugged Tablet-PC
- Valuation switchable between Evaluation / ISO 1101 / Least squares
- PDF-Report, plus \*.csv for EXCEL-Import
- Extended comment and report functions
- Transfer data by USB, W-LAN, Bluetooth
- Extended adaptor set for all possible mountings available (Toolkit)

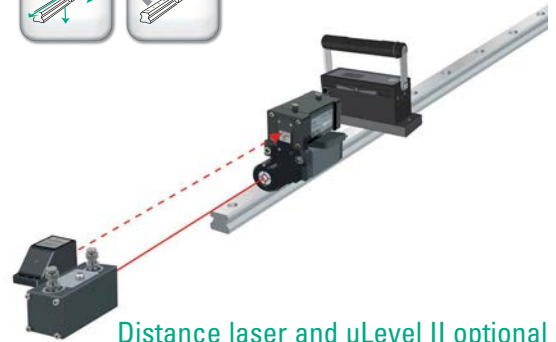
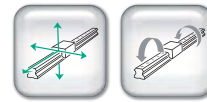


# ProLine® 100

Straightness Starter Package

## Package content:

- T250 Laser with power supply and mounting adapter (SP T250-P)
- R540 two-axis laserposition detector with BT (BG 830440)
- ProLine v4 software license (SW 200103)
- System case with foam inlays (BG 990107)
- Optional: D140 (BG 832200), DU420 Display Unit (IT 200420)  
μLevel II for detecting roll errors (SP μLevel II-A)



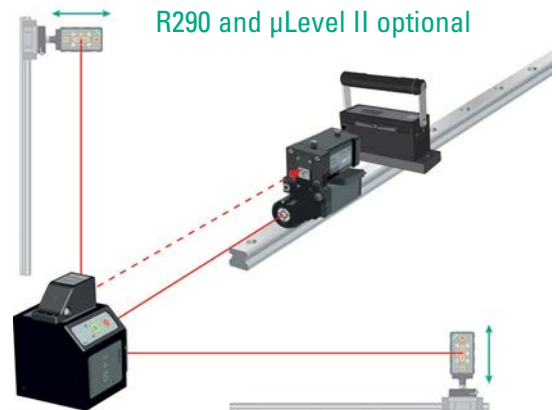
Distance laser and μLevel II optional

# ProLine® 200

Professional Package for Straightness, expandable for Perpendicularity and Parallelism

## Package content:

- T430 self levelling, self calibrating laser source (BG 832500)
- R540 two-axis laserposition detector with BT (BG 830440)
- D140 distance laser (BG 832200)
- ProLine v4 software license (SW 200103)
- System case with foam inlays (BG 990114)
- Optional: R290 Receiver for Perpendicularity (BG 831550),  
DU420 Display Unit (IT 200420), μLevel II (SP μLevel II-A)



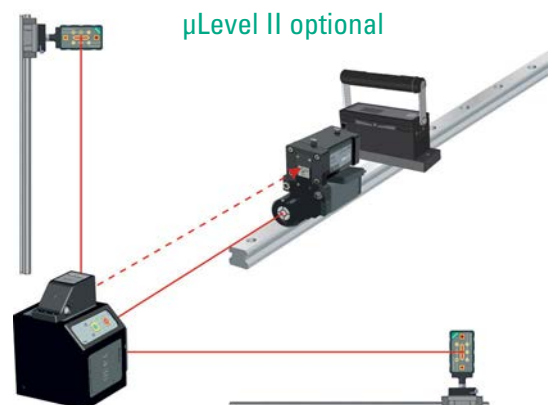
R290 and μLevel II optional

# ProLine® 300

Professional Package for Straightness, Perpendicularity and Parallelism

## Package content:

- T430 self levelling, self calibrating laser source (BG 832500)
- 2x R290 Laser Receiver (BG 831750)
- R540 two-axis laserposition detector with BT (BG 830440)
- D140 distance laser (BG 832200)
- ProLine v4 software license (SW 200103)
- DU420 Display Unit with touch screen (IT 200420)
- System case with foam inlays (BG 990105)
- Optional: μLevel II for detecting roll errors (SP μLevel II-A)



μLevel II optional

# Adapter and Tripods

## Tripod and adapter kits for T430



Precise and effective Measurements require an appropriate mechanical adaptation.  
You need to have the right kit in the right place at the right time.

This adapter package is a must for professional alignment people.  
Naturally all the individual elements are separately available.

### Basic mounting T430

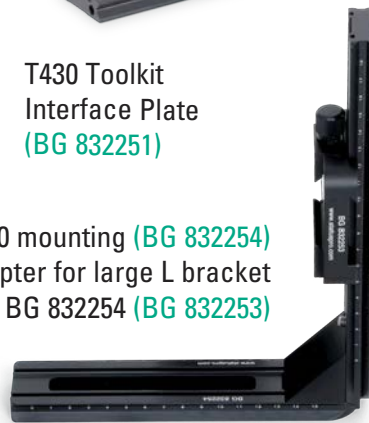


Switch Magnet Base for T430 Interface Plate  
BG\_832251  
(BG 832252)



T430 Toolkit Interface Plate  
(BG 832251)

90° Adapter for T430 mounting (BG 832254)  
T430 Adapter for large L bracket Interface to BG 832254 (BG 832253)



### Tripod and adapter kit for T430



### Small tripod



Turn adapter for T430  
(BG 832268)



T430 Tripod Interface for Tripod head BG 832258 (BG 832259)



Short Tripod Leg  
(BG 832257)



Tripod head for T430 (BG 832258)



Universal G-Klump for T430 (BG 832255/1)





### T430 Accessory Kit (BG 990118)

Size: 487 x 386 x 185 mm.



## Content:

Menge	Artikel-Nr.	Artikel	SP Toolkit 1 (BG 832300)	SP Toolkit 2 (BG 832310)	SP Toolkit 3 (BG 832320)
1	BG 832253	T430 Adapter for large L bracket Interface to BG 832254	✓		✓
1	BG 832252	Switch Magnet Base for T430 Interface Plate BG 832251	✓		✓
1	BG 832251	T430 Toolkit Interface Plate	✓		✓
1	BG 832254	90° Adapter for T430 mounting	✓		✓
1	BT 989119	Allen key, 3 mm	✓		✓
1	BT 989083	Allen key, 4 mm	✓		✓
1	BG 990118	T430 Toolkit case, complete with foam inlays	✓		✓
1	BG 832255/1	Universal G-Klump for T430		✓	✓
3	BG 832256	Mini Tripod Magnetic foot		✓	✓
3	BG 832257	Short Tripod Leg		✓	✓
1	BG 832258	Tripod head for T430		✓	✓
1	BG 832259	T430 Tripod Interface for Tripod head BG 832258		✓	✓
1	BG 832260	Tripod Gimbal head for T430		✓	✓
1	BG 832261	Short tripod extension		✓	✓
1	BG 832262/1	Tripod Leg extension in Carbon, length: 42.5-129 cm		✓	✓
3	BG 832263	Mini Tripod Legs 200 mm		✓	✓
1	BG 832268	Turn adapter for T430		✓	✓

The optional Carbon Tripod offers a telescoping column and it is very rugged.

VP Tripod  
with telescopic legs



### SP STATIV-VP CARBON

**Type:** Light weight Tripod

**Weight:** 5 kg

**Take-up:** fitting to Toolkit

**Adjustment height:** 80 – 2400 mm

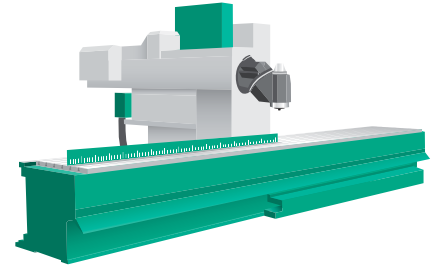
**Laser height:** 180 – 2500 mm

# Measurement and Compensation of Machines

Laser-Interferometer

# $\mu$ Line

- cable-free
- incl. compensation unit!
- ultra compact
- dynamic measurement



The state-of-the-art Interferometer  $\mu$ Line offers the best accuracy and highest speed of machine-optimized interferometers in the world.

- Position measurement for CNC and CMM Machines
- Position Measurements during movement!
- Machine Geometry Measurements
- Measurement of turn-tables (optional)
- Vibration Measurements
- Straightness Measurements
- Perpendicularity Measurements (optional)
- Dynamic Measurements

## Features of the $\mu$ Line systems series:

- Wireless communication
- Extended packages with 3D measurements
- Integrated compensation unit in the laser
- Wireless sensors!
- Highest precision by using a 2-frequency-laser up to 1nm!
- 90° element for small machines in every package
- Electronic beam alignment for higher precision
- Fast alignment within 5 min possible!



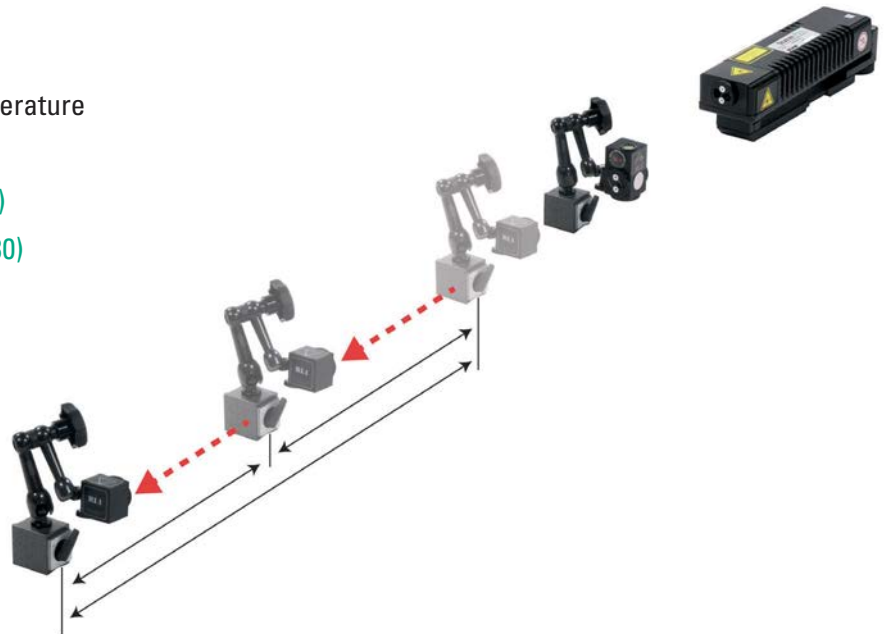
# $\mu$ Line 10

Starter Package



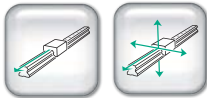
## Content:

- $\mu$ Line – Laser 1D (BT 840205)
- Compensation unit with wireless temperature sensors (BT 840290 + BT 840295)
- Interferometer element IL1 (BT 840270)
- Retro-Reflector element RL1 (BT 840280)
- $\mu$ Line PC Software base (SW 840200)



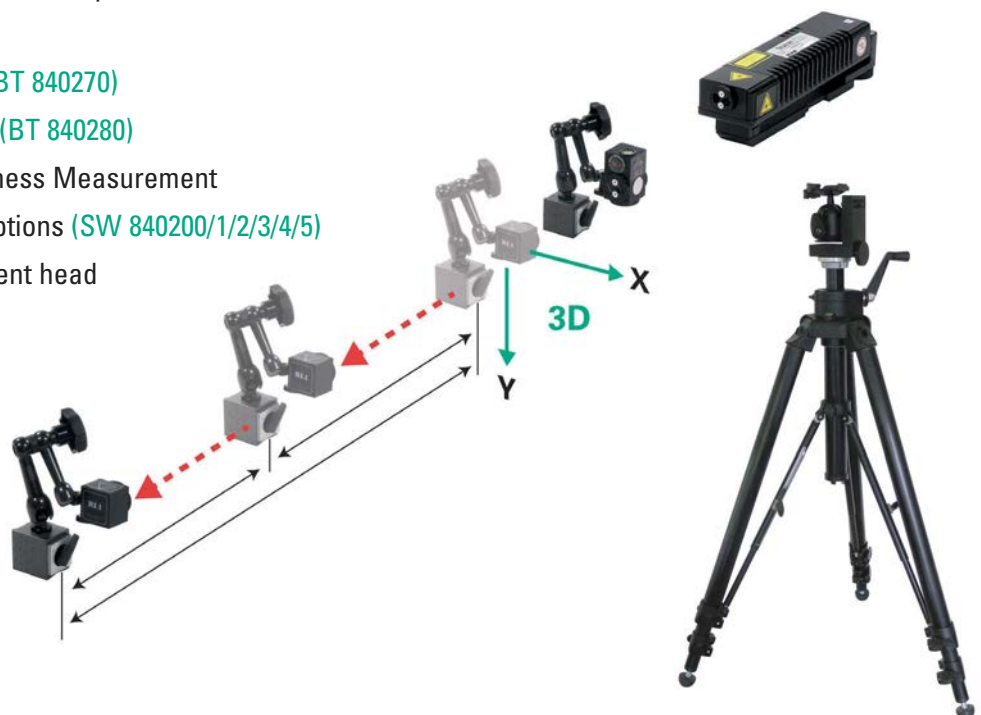
# $\mu$ Line 20

Professional package with Straightness Measurement



## Content:

- $\mu$ Line – Laser 3D (BT 840205 + BT 840410)
- Compensation unit with wireless temperature sensors (BT 840290 + BT 840295)
- Interferometer-Element IL1 (BT 840270)
- Retro-Reflector element RL1 (BT 840280)
- 3D Laser Head with Straightness Measurement
- $\mu$ Line PC Software with all options (SW 840200/1/2/3/4/5)
- Tripod complete with alignment head (BG 840231)



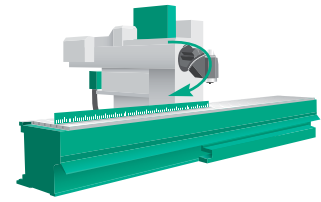
# Calibration system for Rotational Axes

## $\mu$ Line-system extension



# $\mu$ Wally

- cable-free
- ultra compact
- continuous goniometry



The complexity of machines is always increasing and the growing popularity of multi-axes machines necessitates newer measurement technologies. The measurement of rotating axes is also very important. With the  $\mu$ Line, the measurement of Angular accuracy, Backlash as well as Reproducibility is achieved in one go! Simple fault diagnosis irrespective of whether measuring a new machine, an overhauled machine or a "crash candidate". With trustworthy and secure measurement results are you in a position to handle the task.

### Case content:

- $\mu$ Wally-System-Unit
- IK 1 interferometer element for angular measurements
- RK1 reflector element for angular measurements
- Adapter for turntable and chuck mounting

### $\mu$ Wally features:

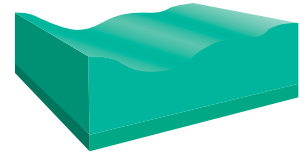
- Automated measurement and compensation of turning axes
- Highest precision (< 1 arcsec)
- Wireless communication via bluetooth
- Li-Ion battery with 30h operation time
- Complete package as an extension for our  $\mu$ Line packages 20 and 30
- For  $\mu$ Line 10 a upgrade of the software is needed



# System for Flatness Measurements

## $\mu$ Level II

Displays the values on your Android mobile phone!



$\mu$ Level is a precision Level system for measurements up to DIN 876/000.

According to your requirements we can offer a wide range from a simple handheld system up to a differential system with software.



### Features of the system:

- 1  $\mu\text{m}/\text{m}$  accuracy!
- Easy handling of system and software
- Lit up display
- Connection to PC and mobile phone via Bluetooth
- Displays the values on your mobile phone
- Fast on-site calibration
- Measurement of Straightness and Flatness
- Measurement of Roll and Pitch errors
- Quick calibration/repair in Germany (< 1 week)
- Combination with ProLine systems possible
- Fully automatic measurement with optional distance meter D140
- Expandable



Result:  $0+1+1,5+2+2+2,5+2+1,5+1-1-1,5-1-0,5 \Rightarrow +8,5\mu\text{m}$



## The new series

The  $\mu$ Level II is the further development of the  $\mu$ Level I. With its robust aluminium housing, the insensitive and oil-resistant Ceran control panel and the LED display visible from afar, the  $\mu$ Level II sets new standards.



shop

### Versions

Part No.	Name	Ring	Class	
BG 841100	SP $\mu$ Level II-A	red	$\pm 1 \mu\text{m/m}$ (0.2 arcsec)	
BG 843100	SP $\mu$ Level II-C	green	$\pm 10 \mu\text{m/m}$ (2.0 arcsec)	

### Characteristics

Range:  $\pm 10 \text{ mm/m}$

Accuracy:  $\pm (1+\text{Mw} \times 1\%)$ , according to DIN 2276

Interface: Bluetooth and USB

### Base types

- Stainless steel flat 150 mm
- Stainless steel flat 200 mm
- Stainless steel three-point 150 mm
- Stainless steel prismatic 150 mm



# ***μLevel***<sup>®</sup> 100

Levelling Starter Package with external display

**Content:**

- μLevel II Precision Level 1 μm/m, Class A (BG 841100)
- External Display (Android-System) (IT 200612)
- Software for remote indication (SW 200190)
- μLevel II case for μLevel with 150/200 mm base (BG 990135)
- Charger for 2x Battery BT 800071 (BT 800090)
- 2x Battery Li-Ion (BT 800071)
- USB Power Supply Unit 1000 mA (BT 800087)
- Bluetooth USB 4.0 Adapter, range up to 100 m (IT 200004)



# ***μLevel***<sup>®</sup> 200

Professional Package for Differential Measurements

**Content:**

- 2x μLevel II Precision Level 1 μm/m, Class A (BG 841100)
- External Display (Android-System) (IT 200612)
- Software for remote indication (SW 200190)
- μLevel II case for μLevel with 150/200 mm base (BG 990135)
- 2x Charger for 2x Battery BT 800071 (BT 800090)
- 4x Battery Li-Ion (BT 800071)
- 2x USB Power Supply Unit 1000 mA (BT 800087)
- Bluetooth USB 4.0 Adapter, range up to 100 m (IT 200004)



# ***μLevel***<sup>®</sup> 300

Professional Package for Differential Measurements at both axes

**Content:**

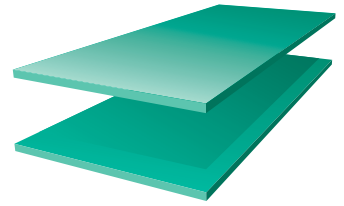
- 2x μLevel II Precision Level 1 μm/m, class A (BG 841100)
- External Display (Android System) (IT 200612)
- ProLine v4 Software – first license (SW 200103)
- SW Modules for ProLine v4 – follow-up license (SW 200102)
- Software for remote indication (SW 200190)
- μLevel II case for μLevel with 150/200 mm base (BG 990135)
- 2x Charger for 2x Battery BT 800071 (BT 800090)
- 4x Battery Li-Ion (BT 800071)
- 2x USB Power Supply Unit 1000 mA (BT 800087)
- Bluetooth USB 4.0 Adapter, range up to 100 m (IT 200004)



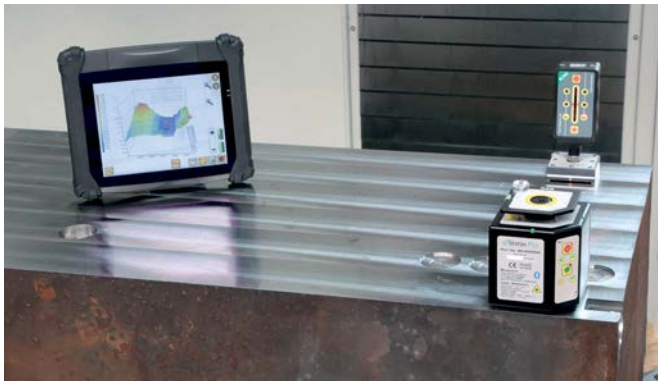
# Equipment for Surface Measurement

# ProLevel®

Measurement up to DIN 87610

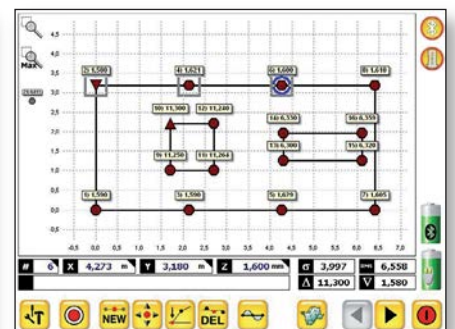
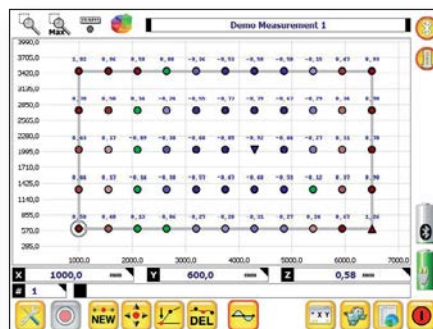
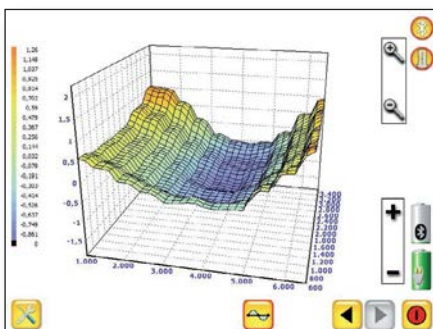


ProLevel is a first class alignment system for measuring the flatness of surfaces in level or relative to one another.



## Laser alignment package:

- Precision up to 2  $\mu\text{m}/\text{m}$
- Flatness on rectangular, circular or more complex surfaces
- Rapid template definition
- Detector with up to 100 mm range and possibility to measure outdoor
- Receiver also with small size and  $\mu\text{m}$  accuracy available
- Direct evaluation of flatness in 3D and in colour
- Superb user interface: practical and ergonomic
- Colour touch screen UMPC, rugged and lightweight
- Automatic connection management
- Completely wireless
- True level, three point reference or use the best fit feature
- Export possibility as \*.csv for use in Excel
- Complete control over the 3D image
- PDF report with comments





# ProLevel® 50

Starter Package for Flatness and Level



## Content:

- T410 self levelling, self calibrating laser source (BG 832500)
- R260 laser receiver with display and BT (BG 832600/2)
- Small case with foam inlays (BG 990114)
- Mounting Accessory



# ProLevel® 100

Package for Flatness and Level

## Content:

- T430 self levelling, self calibrating laser source (BG 832500)
- R260 laser receiver with display and BT (BG 832600/2)
- Launchpad Software (SW 400010)
- Rugged case with foam inlays (BG 990120)
- Mounting Accessory



# ProLevel® 200

Professional Package with IT for Precision Flatness and Level

## Content:

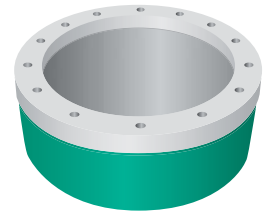
- T430 self levelling, self calibrating laser source (BG 832500)
- R260 laser receiver with display and BT (BG 832600/2)
- DU420 rugged UMPC with touch screen (IT 200420)
- ProLevel v2 software license (SW 200030)
- Launchpad Software (SW 400010)
- Rugged case with foam inlays (BG 990114)
- Mounting Accessory



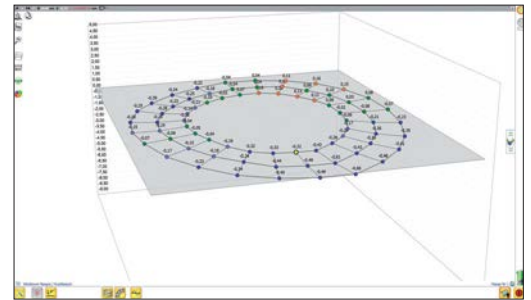
# Flange Measurements in Perfection

# ProFlange®

*Tested and certified by the leading windenergy-manufactures*



**ProFlange offers you the best in flange measurement software, allowing in-depth analysis as well as full documenting capability. Developed completely hand in hand with windenergy-manufacturers.**



## Facts about the system:

- Measurement without PC in your hand
- Store measured value by touch
- Display on receiver
- Automatic point selection
- Completely without cable
- Large sensor, small housing
- Automated "buck in" of the laser plane, just press a button
- Setup complete within 5min!

## Professional Software ProFlange V3:

- Guided and easy setup of a measurement
- Long waviness in 2D and 3D
- Short waviness in 2D and 3D
- Taper and Tilt values
- Chart with all measurement points
- Project – management
- Database – management
- Best Fit-analysis
- 3-Point reference planes
- Analysis and setup help for milling machines
- Complete PDF-Report with 2D, 3D, Taper Tilt, values etc. with only one click
- Rugged Touchscreen display unit
- Patented measurement for flange – parallelism



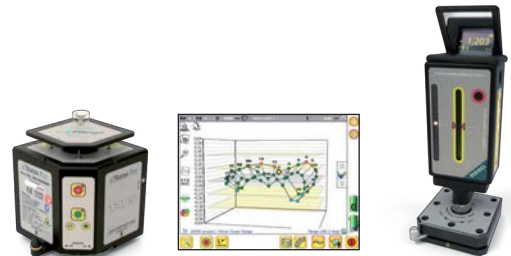
# ProFlange<sup>®</sup> 100

Starter package with software



## Package content:

- T405 Digital rotational laser with inbuilt magnet (BG832550)
- R260 Laserreceiver with display (SP R260-P)
- ProFlange V3 Software (SW 200025)
- Rugged but small case with foam inlays (BG 990114)
- Attachments



# ProFlange<sup>®</sup> 200

Complete package with rugged tablet-PC



## Package content:

- T405 Digital rotational laser with inbuilt magnet (BG 832550)
- R280 Laser Receiver (SP R280-P)
- DU 425 Rugged tablet-PC with installed software (IT 200425)
- ProFlange V3 Software (SW 200025)
- Rugged but small case with foam inlays (BG 990114)
- Attachments



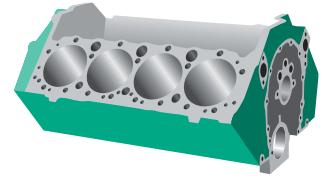
Small but rugged rotational laser with inbuilt switchable magnet



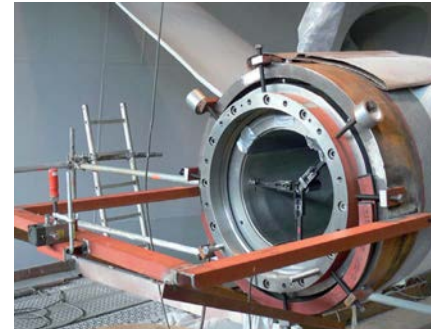
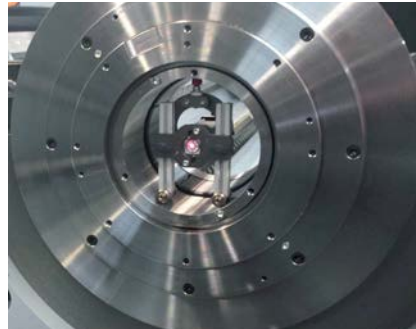
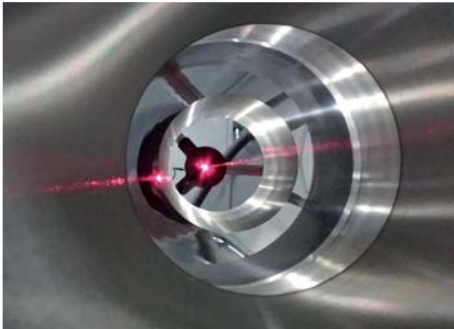
# The solution for the measurement of bores!

# ProOrbit<sup>®</sup>

Perfect measurements of crankshafts bores!

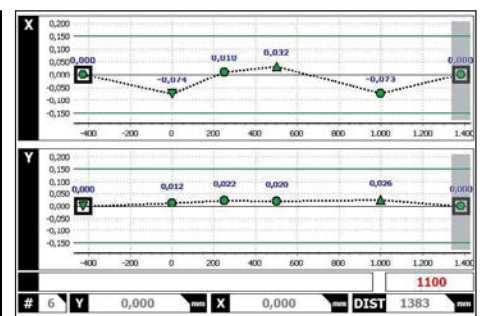
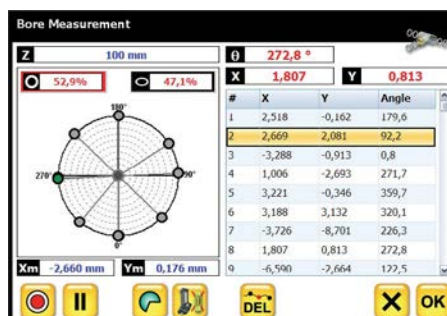
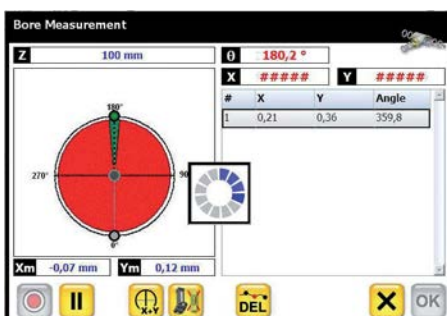


With a ProOrbit you are able to measure bores with 60 mm up to meters within an accuracy down to 2 µm/m!

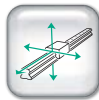


## Das ProOrbit und Borealign System:

- The ProOrbit and Borealign system:
- Easy adjustment for offset and angular errors
- Complete cablefree operation
- From 60mm up to 2 m!
- Live values during alignment
- High precision up to 1 µm/m for straightness
- 2-point, 4-point.- or N(!)-point measurements
- Automatic, absolutely stable BT connection
- Measurement of elliptical-shaped bores
- Rugged and easy to use Display unit
- Display of raw data, "zeroed" or best fit evaluation
- Extended analysis
- Easy export and PDF reports
- Connectivity by WLAN, BL, USB, Ethernet or just by mail!



# ProOrbit® 20



Professional package with attachments to mount laser and receiver within or in front of the bore

## Package content:

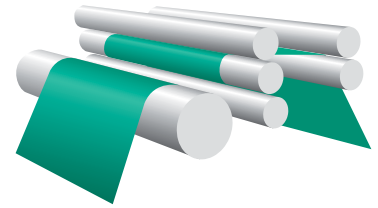
- T250 Laser-package with power supply and mountig adapter (SP T250-P)
- R545 Receiver with exchangeable Li-Ion battery and BT (SP R545-P)
- ProOrbit V3 Software (SW 110020)
- Laser-Case with foam inlays (BG 990107)
- Borealign-starter kit for R545 in a case (BG 832050)
- Borealign-Kit 2 – attachments for the laser T250 (BG 832070)



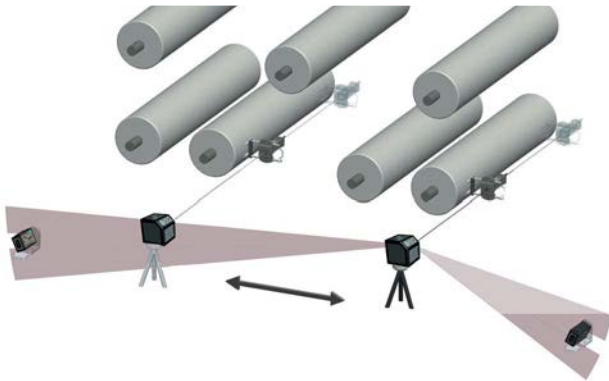
# Complete system for Roll Parallelism

# ProRoll®

When precision matters!

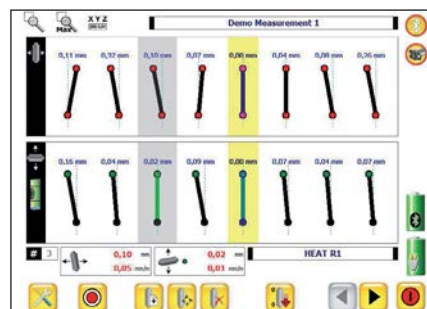
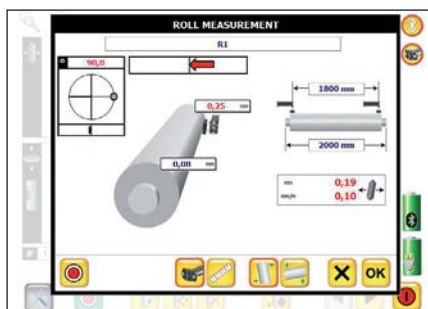


The unique principle combines the superb range of a rotational laser system with the accuracy of a dot-lasersystem.



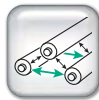
## Features:

- Measurement of the parallelism is respect to a reference roll
- Measurement of the parallelism is respect to a reference line
- Measurement of centre line
- No limit for the number of rolls
- Every roll-diameter and length is possible
- Measurement of paper mills up to 100 of meters
- Setup of reference line on the ground
- Setup a new reference line for a fast check during roll exchange.
- Measurement left or right of the roll and up to 1m distance
- High precision with a resolution of  $\mu\text{m}$
- Automatic Bluetooth connections
- Complete cablefree operation
- Rugged and easy to use touchscreen Tablet-PC
- Export of all data for fast and easy reports
- Data exchange by USB, W-LAN, Bluetooth



Nr	Roll	mm	mm	mm/m	mm/m	mm/m	mm/m
2	R2	1800	2000	0,16	-0,32	-0,02	0,04
3	HEAT R1	1800	2000	-0,05	-0,10	-0,01	-0,03
4	R4	1800	2000	0,03	0,07	-0,04	-0,09
5	R5	1800	2000	0,00	0,00	0,00	0,00
6	R6	1800	2000	0,02	0,04	-0,03	0,07
7	R7	1800	2000	-0,04	-0,08	-0,07	-0,04
8	R8	1800	2000	-0,13	-0,26	-0,03	-0,07

# ProRoll® 200



Package for roll parallelism measurement with tablet-PC

## Package content:

- T430 self levelling, self calibrating laser source (BG 832500)
- R545 Receiver with exchangeable Li-Ion battery and BT (SP R545-P)
- 2 x R260 Receiver with display and BT (SP R260-P)
- DU420 Robuster Tablet PC mit Touchscreen (IT 200420)
- ProRoll V2 Software (SW 110050)
- Attachments for mounting
- Rugged but small case IP 65, size: 487 x 386 x 185 mm (BG 990114)



## Optional attachments:

The Carbon-tripod offers a adjustable heigh for a large range of rolls.

SP STATIV-VP CARBON

### SP STATIV-VP CARBON

<b>Design:</b>	lightweight but rugged
<b>Weight:</b>	5 kg
<b>Adapter:</b>	suitable for toolkit
<b>Height:</b>	80 – 2400 mm
<b>Laser height:</b>	180 – 2500 mm

Optional we can offer tripods up to 4m!

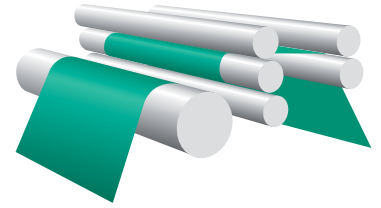


# Laser Alignment Tool for accurate Visual Alignment of Rolls

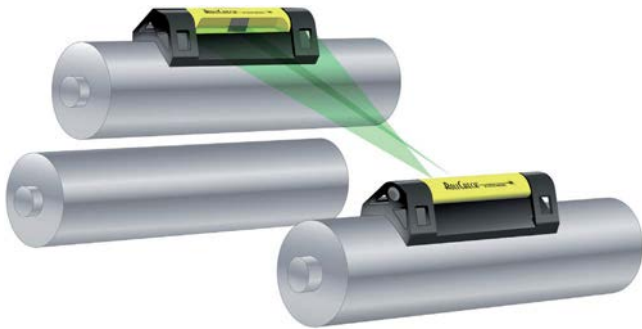


# ROLLCHECK®

*When easy handling matters!*



The patented principle offers a high precision with a very easy setup



## Features:

- Precision up to 0,1mm/m!
- Reduces down time and product waste due to misalignment of rolls
- Increases production with proper alignment of rolls
- Compact design, fits into small spaces
- FAST and EASY to use
- No training required
- One-person operation
- Facilitates more frequent roll checks
- Pays for itself quickly
- Uses proven reflected laser beam technology
- Used for shots up to 3 m

## Examples of roll misalignment

## Examples of rolls that are in alignment

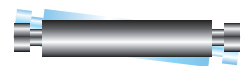
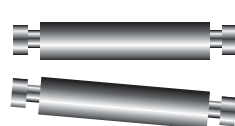
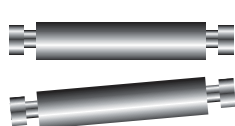
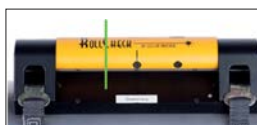
### Front View

### Top View

### Top View

### Front View

### Top View



Roll to be moved (RTBM) is not on the same horizontal plane as the stationary roll.

Reflected laser line shows the roll is not parallel-left.

Reflected laser line shows the roll is not parallel-right.

Roll to be moved (RTBM) is on the same plane as the stationary roll.

Reflected line shows the rolls are parallel to one another.

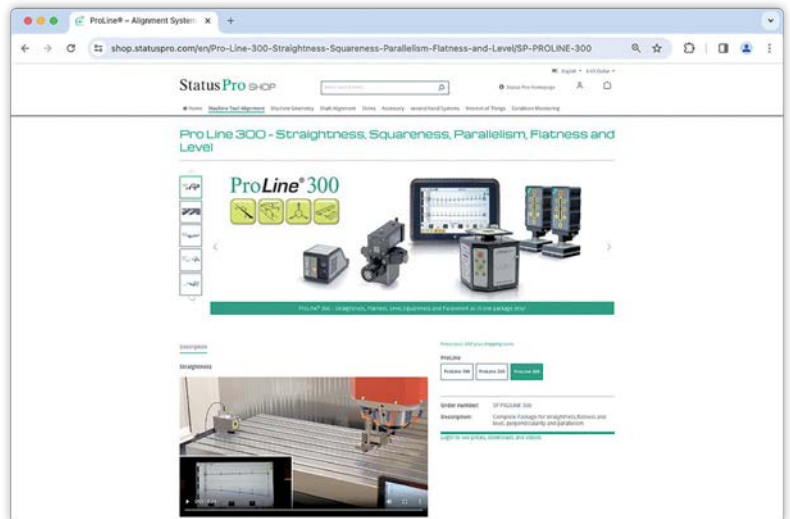




## Status Pro Shop

Would you like to buy laser measuring devices, measurement packages or accessories? Visit our shop:

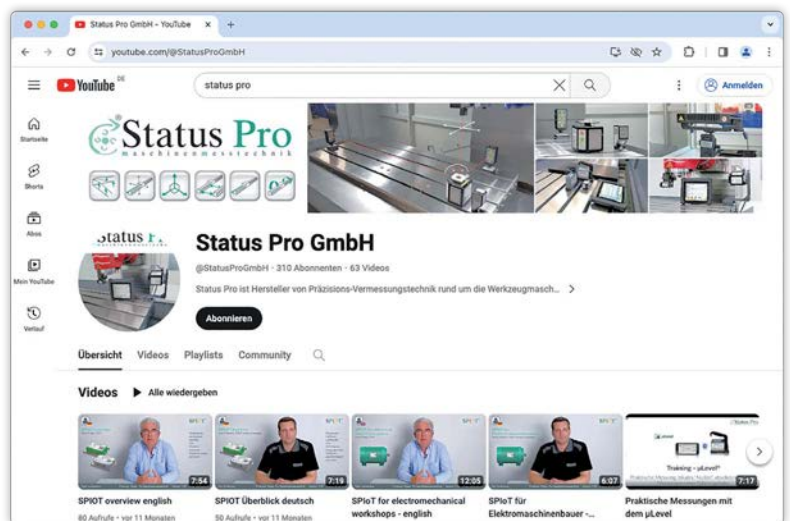
<https://shop.statuspro.com/en/>



## Status Pro YouTube channel

Here you will find introductory and training videos on laser devices and measurement topics:

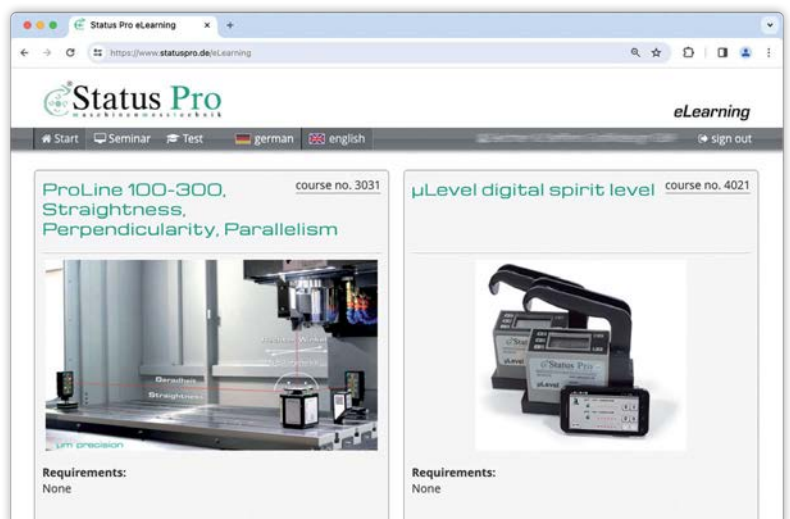
<https://www.youtube.com/@StatusProGmbH>



## Status Pro eLearning

Benefit from Status Pro online training courses, each of which ends with a test, and find out which courses are currently on offer by contacting **+49 2327 9881-0** or

[info@statuspro.com](mailto:info@statuspro.com).



# Service of Status Pro



- Measurement of milling machines
- Measurement of lathes
- Measurement of special machines
- Measurement of roll grinders
- Turbine measurements
- Development of special measurement procedures
- Flatness of machine beds
- etc.

Service jobs are made to your complete satisfaction. Our team is well trained in different measurement techniques and all of them are specialists. So we can guarantee a professional service with a optimal equipment.

Furthermore we use our field service experience to improve and develop our products.

# Calibration Services



Our R&C team repairs and calibrates not only our own equipment manufactured here in Germany but also equipment manufactured by Fixtur Laser AB and SPM Instruments AB from Sweden.

Typically such equipment should be calibrated at least every two years. Ideally this is arranged by appointment, however we normally maintain a turn around time of 72 hours. If you need measuring equipment during the repair period we can offer rental systems.

*Fast repair/calibration within 3 days!*

**Service Application Form**  
**Repair and Calibration**

Status Pro Maschinenmesstechnik GmbH  
 Repair and Calibration  
 Mausegatt 19  
 D-44866 Bochum

+ 49 (0) 2327 - 9881 - 15 / - 28  
 + 49 (0) 2327 - 9881 - 01  
 service@statuspro.com  
 www.statuspro.com

Company: T&E Machine LTD. Cust. No.:  
 Address: 24c3 Machine Lane PH Return Address (if different):  
P.O. Box 24c3

Contact person: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Instruments: serial number: Task / Fault / Comments:  
 1. T550 SP046282 Several measurements were incorrect  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_  
 5. \_\_\_\_\_

Calibration  
 Repair

Clean all system parts.  
 Express Repair\*  
 Express return delivery\*\*  
 Send a cost estimate, if the costs exceed the sum of 1,000,- € (otherwise proceed with the repairs without further enquiry).  
 Send a quotation for Rental if the repair requires more than \_\_\_\_\_ days.  
 Send information concerning Training courses.

\* We will give your order our prompt attention and complete it within 24 hours if possible (95,00 €)  
 \*\* Postal service charges may be higher!

FORM 1002 03/11  
Philadelphia, 05/04/2012 Place, Date  
 \_\_\_\_\_ M. Duddleton Signature

# Rental Systems



Status Pro GmbH offers you a range of equipments for rent. Usually those are needed during the time of our in-house calibration. You are able to rent more than one system, too. Several equipments might be needed at manyplaces at the same time. We can offer you the rental systems with or without our service team. Please understandthat the rental is only possible to qualified persons. Otherwise we can provide a training for the systems. We try to offer a high standard so that you are able to perform all measurements according to the ISO norms.

## Examples for rental systems:



**μLevel<sup>®</sup>**



**ProLine<sup>®</sup>**



**ProFlange<sup>®</sup>**



**ProOrbit<sup>®</sup>**

## Systems for machine geometry

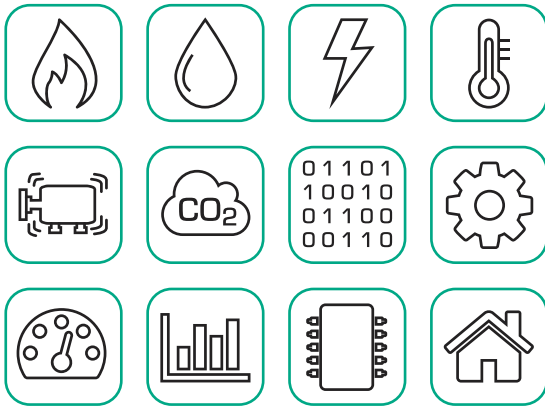
- Flatness measurements
- Straightness measurements
- Squareness measurements
- Flange measurements
- Position measurements
- Pitch and Yaw measurements
- Twist measurements
- Bore measurements

## Rental service

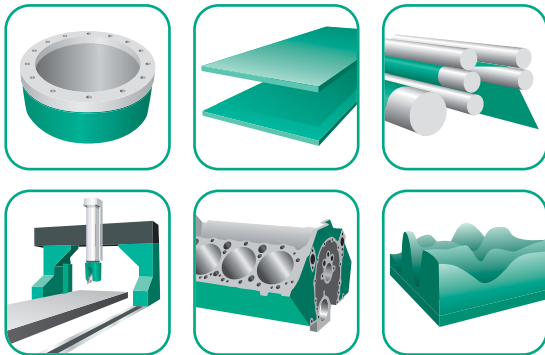
Most of Status Pro's portable products are available for rent on a daily basis. The equipment is also calibrated and checked before each rental. We calculate the rent on a daily basis plus inspection and calibration after the return of a system.



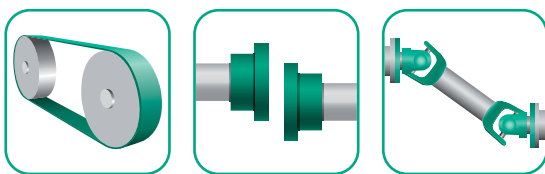
## INTERNET OF THINGS



## MASCHINGEOMETRIE MACHINE GEOMETRY



## WELLENAUSRICHTEN SHAFT ALIGNMENT



 **Status Pro**  
maschinenmesstechnik

Status Pro Maschinenmesstechnik GmbH  
Mausegatt 19 · 44866 Bochum · Germany

+ 49 (0) 2327 - 9881 - 0

+ 49 (0) 2327 - 9881 - 81

info@statuspro.com

www.statuspro.com



Status Pro Maschinenmesstechnik GmbH has implemented and maintains a Quality Management System.

Scope: Development, production and sales of machine measurement technologies and corresponding services. Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard: ISO 9001:2015.

Supported by:



on the basis of a decision by the German Bundestag



www.nucos.fi