

# tab@lign®

Laser shaft alignment goes mobile



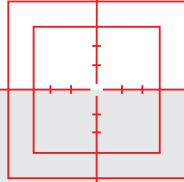
- Mobility - Shaft alignment for tablets and smart phones
- Connectivity - All you need for maintenance on one single device
- Convenience - Quick and intuitive



Made for  
iPod iPhone iPad

# Lifting the boundaries for infinite freedom

tab@lign® – mobile, connected, convenient



## Shaft alignment at your fingertips

tab@lign® is a unique laser shaft alignment solution for tablets and smart phones. Supporting both Apple and Android mobile devices, tab@lign® offers unprecedented mobility, connectivity and convenience.

Perfect for performing standard shaft alignment including quick alignment checks on machines such as a motor-pump combination, tab@lign® offers the same intuitive operation as with other PRÜFTECHNIK alignment systems.

tab@lign® comprises the app, the measurement components and a Bluetooth® module for wireless communication. The app runs on everyday mobile devices. A rugged industrial tablet with glove-enabled touchscreen is available as an additional option.

As with all products from PRÜFTECHNIK Alignment Systems, tab@lign® inherits the high accuracy and quality that have always been our standard.

Simply download the app and go!

## Key benefits of tab@lign®

tab@lign® boosts the efficiency of shaft alignment through:

- ▶ Fully mobile and wireless laser alignment system
- ▶ Integrated working platform
- ▶ Intuitive user interface with touch operation
- ▶ Proven high-precision laser measurement technology

### Mobility

Built on the latest mobile communication technologies, this new generation solution makes laser shaft alignment available to on-site maintenance teams and professionals exactly where and when they need it.

### Connectivity

Enjoy shaft alignment in a new mobile dimension: display and update service requests, check emails, view documentation, take snapshots, measure and display correction results, send out reports, and much more. Combined with all the information, tools and applications required for the maintenance job on one single multi-functional platform, shaft alignment has never been so integrated.

### Convenience

Shaft alignment on mobile devices means greater flexibility and availability. But there is even more to tab@lign®. Exactly the proper features and an intuitive user interface make the alignment job a fast and easy exercise.

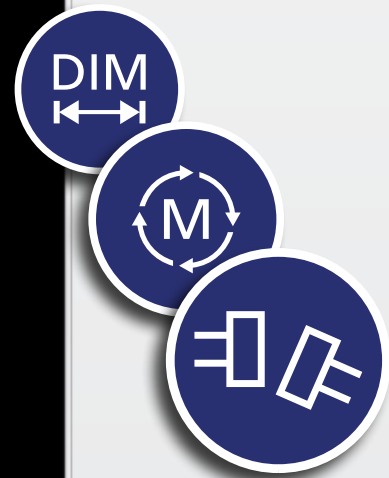


# tab@lign® features at a glance



## 3 steps to alignment

- ▶ Enter dimensions
- ▶ Rotate shafts
- ▶ Display measurement result



Equipped with the PRÜFTECHNIK patented single-laser technology, and offering a high system dependability, tab@lign® delivers accurate and repeatable measurement results.

### Bluetooth® communication

The wireless module enables a convenient data transmission between the measurement sensor and the alignment app for a fully cable-free system operation.

### Active Clock measurement

During shaft rotation, measurements are automatically taken at 3 sensor positions. A shaft rotation of only as little as 70° is required. The activated electronic inclinometer eliminates possible user error for intelligent and precise alignment.

### Result and Live Move

Both horizontal and vertical coupling and foot results are automatically calculated and displayed. The graphics show the machine position and the arrows the necessary feet corrections. During Live Move, tab@lign® monitors the horizontal changes live on the screen, continuously updating the adjustments.

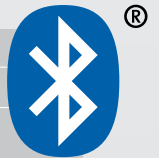
### Soft foot

Measure, correct and save soft foot results.

### Reporting

Measurement results can be emailed immediately as a clear single-page graphical report to facilitate and shorten the alignment cycle time.

# tab@lign<sup>®</sup> technical data



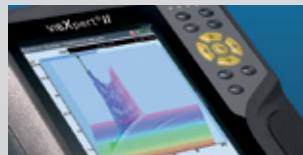
Transducer	
	Measurement principle: Coaxial, reflected laser beam
	Environmental protection: IP 67 (submersible, dustproof)
	Ambient light protection: yes
	Storage temperature: -20°C to 80°C [-4°F to 176°F]
	Operating temperature: 0°C to 55°C [32°F to 131°F]
	Dimensions: approx. 107 x 70 x 49 mm [4 1/4" x 2 3/4" x 2"]
	Weight: approx. 177 g [6 1/2 oz.]
Laser	Type: Ga-Al-As semiconductor laser
	Wavelength (typical) 675 nm (red, visible)
	Safety class: Class 2, FDA 21 CFR 1000 and 1040
	Beam power: < 1 mW
	Safety precautions: Do not look into laser beam
Detector	Resolution: 1 µm; Accuracy (avg): > 98%
Inclinometer	Measurement range: 0° to 360°; Resolution: <1°
CE conformity	EC guidelines for electric devices (73/23/EEC) and those relating to electromagnetic compatibility (2004/108/EC) are fulfilled
Reflector	
	Type: 90° roof prism; Accuracy (avg): > 99%
	Environmental protection: IP 67 (submersible, dustproof)
	Storage temperature: -20°C to 80°C [-4°F to 176°F]
	Operating temperature: -20°C to 60°C [-4°F to 140°F]
	Dimensions: approx. 100 x 41 x 35 mm [4" x 1 5/8" x 1 3/8"]
	Weight: approx. 65 g [2 1/2 oz.]

Bluetooth <sup>®</sup> module	
Transmission power	Class 1, 100 mW
Transmission distance	10 m [33 ft.]
Compliance	FCC rules part 15.247
LED indicators	1 LED for wireless communication, 3 LEDs for battery status
Power supply	Batteries 2 x 1.5 V IEC LR6 ("AA")
Operating time	14 hours typical use (based upon an operating cycle of 50% measurement, 50% standby)
Operating temperature	-10°C to 50°C [14°F to 122°F]
Environmental protection	IP 65 (dustproof and water spray resistant), shockproof
Dimensions	Approx. 81 x 41 x 34 mm [3 1/8" x 1 11/16" x 1 5/16"]
Weight	Approx. 133 g [4.7 oz.] including batteries and cable
Device	
Apple	Compatible with iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPad, iPad 2, iPad (3rd and 4th generation), iPad mini, iPod touch (4th and 5th generation)
Android	Requires version 2.3 or higher; Optimised for certain devices. For further details view <a href="http://www.pruftechnik.com">www.pruftechnik.com</a>

## PRÜFTECHNIK consists of the following business areas



Alignment Systems



Condition Monitoring



Nondestructive Testing



Service & Support

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