



# AT-100

AN APP-BASED SOLUTION FOR  
SHAFT ALIGNMENT



**acoem**  
CREATING ENVIRONMENTS OF POSSIBILITY



## AT-100

Shaft alignment with precision!

Entry-level shaft alignment tool that is easy to use and affordable at the same time.

The AT-100 shaft alignment solution is the result of almost 40 years of shaft alignment expertise and innovation, leveraging the latest technology to enhance your user experience.

With the AT-100, ACOEM complements its product family of Shaft Alignment. Integrated apps, patented technology and easy connectivity make the AT-100 an app-based alignment tool.



## An entry-level shaft alignment solution

- Two wireless sensors with their accessories
- Task oriented Horizontal shaft alignment with mobile apps
- Easily create and share a PDF report containing all measurement data and images

The sensors come pre-mounted on its fixtures and pre-set to the most common setup

Digital sensor with 20 mm detector and line laser eliminates rough alignment and shorten setup time

Integrated Bluetooth for wireless communication between tablet unit and smart sensors



## Easy and adaptive user interface

ACOEMs adaptive user interface guides the user throughout the job in logical and easy to follow steps. It will deliver measurement and correction values based on what the system finds during the alignment process. This eliminates confusion for less-experienced users and provides ease of access throughout a measurement with the AT-100 system.



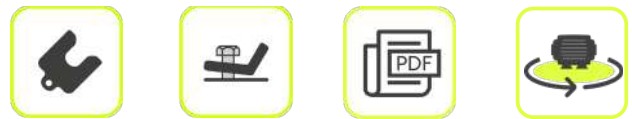
Laser technology's high precision not only saves you time and money, but also removes human error from shaft alignment. It prolongs the life of your machinery and improves its performance."

## GuideU™

### GUI that's intuitive

GuideU™ is the next generation of 3D shaft alignment graphical user interface – our patented, customizable, icon-driven and color-coded display system makes measuring, aligning, documenting and reporting on each job simple.

GuideU™ delivers precise measurement and correction values by minimizing the risk of human errors, guiding the operator through the process using visual, logical and easy-to-follow steps.



## TrueLive™

Shaft Alignment is the key to success

An industry-first technology, it features two sensors with laser beams and inclinometers that monitor both shaft positions at the same time.

Even if you move the machine's position out of the detector range or interrupt the laser beam, the smart sensors will resume with an updated machine position and always deliver live values. TrueLive functionality helps you save time when aligning your machinery.

## Alignment intelligence

### Measuring with optimal accuracy

AT-100 sensors use superior digital CCD technology, giving you unrivalled capabilities and making the sensors tolerant of detrimental external factors, such as vibration and ambient light.



## VertiZontal™

### Cut alignment time in half

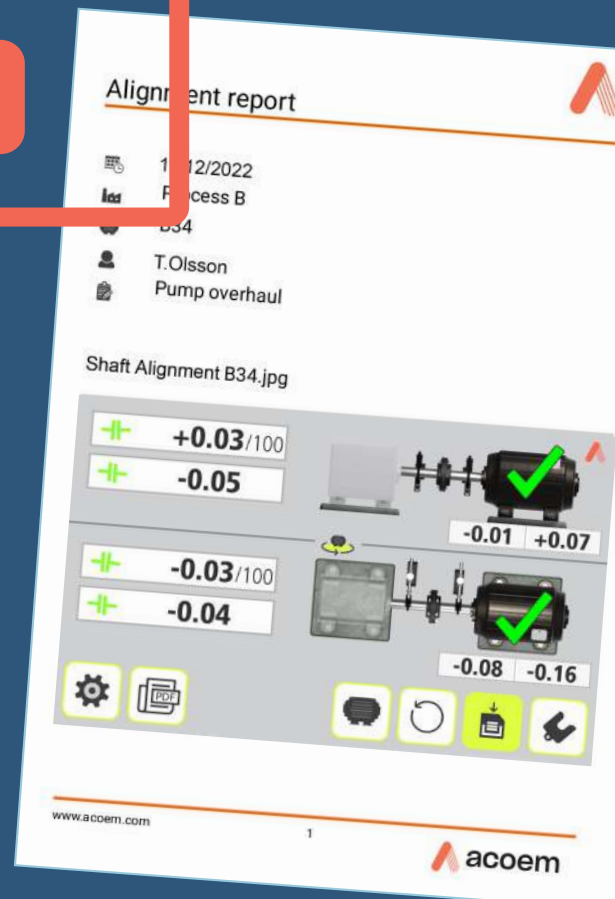
VertiZontal™ adaptive user interface automatically indicates exactly how much you need to adjust your misaligned machine by adding or removing shims to the machine's feet. This removes the need to remeasure between the vertical and the horizontal phases to correct the horizontal misalignment. This industry-first function saves time and ensures accuracy with every measurement.



### Simplify your reporting process

The Acoem shaft alignment apps' PDF report function provides fast and efficient on-site reporting functionality that converts saved measurement reports into PDF files, that can be shared instantly from your mobile device.

PDF



# Augmented mechanics ecosystem

## The ultimate solution for proactive & predictive maintenance

The Horizontal shaft alignment app are part of Acoem's Augmented Mechanics Ecosystem, a flexible solution for combining different technologies on the same mobile platform to deliver reliable and precise proactive and predictive maintenance for industrial machinery.

To give you the option of adding new features as new technologies become available, or as your specific needs change over time, the system includes mobile applications and wireless sensors connected to the mobile applications.

In addition to the horizontal shaft alignment app, the Ecosystem currently features additional applications:



### **Acoem Pre-alignment app**

designed to remove the complexity of your laser alignment process, making it faster and more reliable (Requires optional equipment)



### **Acoem Bearing Defender app**

providing quick first-level information on bearing health based on vibration readings in just few seconds (Requires optional equipment)



### **Acoem Machine Defender app,**

AI-powered vibration diagnostics instantly in the field for most rotating equipment in industrial environment (Requires optional equipment)

## Opening up a new world of possibilities

- Total control over your machinery's proactive & predictive maintenance
- Accessible via any enabled tablet or smartphone.
- Upgradable, customizable & scalable based on your needs
- Links vibration & alignment data to optimize maintenance processes
- Share information instantaneously among your teams
- Benefit of insightful training videos & Acoem technical support.





\*Tablet is optional.

## Future-proof your investment

The Augmented Mechanics is a huge leap forward in machinery reliability through enhanced connectivity, integrated technology, the ability to easily share measuring reports directly from your tablet.

AT-100 grows with your requirements. Always upgradable, it is an assurance that your investment will be protected and as technology evolves, your system will remain

compatible, easy to use and up to date.

So much more than an alignment and monitoring tool – the Augmented Mechanics new tool, represents the next generation of holistic maintenance solutions.

## About Acoem

At Acoem, we create environments of possibility — helping organizations find the right balance between progress and preservation — safeguarding businesses and assets and maximizing opportunities while conserving the planet's resources. We deliver unrivalled, interoperable AI-powered sensors and ecosystems that empower our customers to make enlightened decisions based on accurate information.

Together with 150 distributors, our 800+ employees work across 27 offices, 5 manufacturing facilities and 3 R&D centers in 11 countries, to provide trusted, holistic data solutions for customers worldwide.

**Acoem links possibilities with protection.**

For more information visit [acoem.com](https://acoem.com)

