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Dear Customers,

We thank you for using PRUFTECHNIK equipment on your journey to optimizing your plant operations and efficiency. Our training seminars are designed to help you get the most out of your investment in PRUFTECHNIK products.

If you need support, please call Sherry, our PRUFTECHNIK seminar manager, she is happy to assist with your bookings!

Contact: Sherry Myers  
Phone: +1 267 337-6114  
sherry.myers@pruftechnik.com

Please check the requirements at the end of each class syllabus to make sure the course is a good fit for you.
Our Training Site

Philadelphia

Residence Inn Philadelphia Airport
3701 Island Avenue
Philadelphia, Pennsylvania 19153
Phone: +1 215 921-8011

Please use code 56U to reserve your room at the hotel or contact us.
Residence Inn Philadelphia

Please contact Sherry Myers to support your booking:
Phone: +1 267 337-6114
sherry.myers@pruftechnik.com
This course delivers comprehensive knowledge of the principles of machinery shaft alignment and the various methods to measure and correct alignment, with emphasis on laser shaft alignment technology. It is designed for millwrights, repair technicians, supervisors, and engineers who must become proficient in handling their ROTALIGN® Ultra or ROTALIGN® touch and troubleshoot complex alignment problems. The course is an intensive mix of hands-on practice and in-depth instruction in the ROTALIGN® Ultra or ROTALIGN® touch alignment tools.

**Syllabus**

- Basics of shaft alignment
- Preconditions and preparations for an optimal machine alignment
- Function of the laser-optical measurement method
- Installation and operation of the alignment system
- Interpretation of results
- Account of coupling specifications, tolerances and thermal growth
- Practical measurements on alignment simulators
- Soft foot verification
- Alignment of vertical machines
- Special cases with practical exercises
- Functionality of RFID, Wi-Fi, Bluetooth and integrated camera
- Cloud-based data handling
- Archive, edit and manage measurement results with the alignment PC software
- ALIGNMENT RELIABILITY CENTER 4.0®

**Special offer**

We offer one free seat with the purchase of a ROTALIGN® Ultra or ROTALIGN® touch excluding the e-package (basic). For additional students, the training fee of $1,000.00 per person is required.

**Duration**

2-days

**Price**

$ 1,000 per student, lunch and training materials included

**Requirements**

Student should have a basic understanding of alignment

**Dates & registration**

TRAINING DATES & REGISTRATION
VIBXPERT®II / OMNITREND® Fast Start Training

This course delivers VIBXPERT® II and OMNITREND® users a training program designed to quickly get one started building out machine templates, applying templates to a database and developing machine routes for data collection. We will also review the standard reports that are available as well as creating a findings report. The goal is for the participants to leave with the basic skill sets necessary to complete their database, perform route collection and print reports when returning to their home facility. The course is an intensive mix of hands-on practice and instruction in the fundamental operation of VIBXPERT® II and OMNITREND®.

Syllabus Day One and Two

- Operational review of the VIBXPERT® II
  - Unit and display settings
  - Multimode, route, and machine template modes
- Operational review of OMNITREND® software
  - Database configuration
  - Display settings
  - Finding your way around the analysis screens
  - User privileges
- The elements of creating a machine database
- Building machine train templates
- Building out a machine database
- Creating routes
- Creating new frequency markers

Syllabus Day Three

- Creating band alarms
- Adding inspections
- Adding variable speed to a machine train
- Adding process speed to a group of machines
- Reporting – Standard reports and creating a report
- Introduction to multi-mode measurements

Special offer

We offer one free seat with the purchase of a VIBXPERT®II / OMNITREND® package excluding the e-package (basic). For additional students, the training fee of $1,400.00 per person is required.
This course delivers VIBXPERT® II users a comprehensive training in the instruments advanced multi-mode diagnostic testing features and the associated OMNITREND® functions. Also included is a ½ day overview of OMNITREND® WEB, the custom reporting and data manipulation software.

The course provides participants an intensive mix of hands-on practice and in-depth instruction in the operation of VIBXPERT® II and the associated OMNITREND® and OMNITREND® WEB software.

Syllabus

- Operation of advanced multi-mode analysis measurements
  - Configuring and saving multi-mode measurement setups
  - Resonance studies
    - Bump test with and without impulse hammer
    - Bump test with and without negative averaging
    - Bode plots / Nyquist plots
    - Cascade / Waterfall plots
  - Orbits
    - Filtered and unfiltered
    - Precession
  - Shaft centerline
  - Phase studies with cross channel phase
  - Order spectrum
  - Triggered measurements in unsteady vibration state
  - Long-term waveform capture
  - Vibration tolerances and standards

- OmniTrend WEB
  - Customizing standard reports
  - Creating new reports
  - Statistically setting alarms
  - Importing and exporting segments of the database

Special offer

We offer one free seat with the purchase of a VIBXPERT® II / OMNITREND® package excluding the e-package (basic). For additional students, the training fee of $1,000.00 per person is required.
PRUFTECHNIK, your privileged partner in products, training and services in the fields of alignment and vibration analysis.