



# Laser Shaft Alignment **TRAINING**

Transform your maintenance capabilities  
with industry-leading certification

Engineering Dynamics delivers world-class shaft alignment training aligned with ANSI/ASA S2.75-2017/Part 1 standard. Our comprehensive 4-day course combines precision theory with extensive hands-on practice using the Easy-Laser range of instruments.

## Quick Facts

- ✓ 90% practical, 10% theory
- ✓ Maximum of 10 participants
- ✓ Available in Pretoria or on-site across Africa
-  **Instructor:** Easy-Laser certified industry expert

## Course Structure

Rather than focusing on "buttonology," our training emphasises practical mastery of alignment techniques. Participants spend the maximum time on training rigs, developing real-world skills applicable across various industrial settings.

### »» Core Components:

- Alignment workflow
- Pre-Alignment checks
- Run-out checks
- Rough alignment
- Soft foot
- Tolerances
- Measurement and corrections
- Shim calculation
- Belt Alignment
- Vibration Acceptance testing
- Practical exercises on pump set and simulators

## Certification

Upon successfully completing the practical exam with a minimum 80% pass rate, students are awarded a Competency Certificate demonstrating their proficiency in shaft alignment using Easy-Laser instruments, while an Attendance Certificate is provided for those who attended the course without taking the assessments.

### »» Perfect for:

- Maintenance technicians seeking certification
- Rotating equipment specialists
- Mechanical fitters
- Condition monitoring technicians

## Why Choose Our Training?

Nearly half of all rotating equipment failures stem from shaft misalignment, which can occur between motors and various components like pumps, gearboxes, and fans. Precision laser shaft alignment, when performed to ISO/ANSI standards, significantly extends equipment lifespan and prevents failures. Our course delivers practical expertise that translates directly to workplace efficiency. Whether you're upgrading from old technology or seeking to enhance your laser alignment skills, our hands-on approach ensures confident mastery of alignment techniques.

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**Where Theory Meets Practice: The Engineering Dynamics Advantage**