PRECISION ALIGNMENT PROGRAM – *SHAFT*

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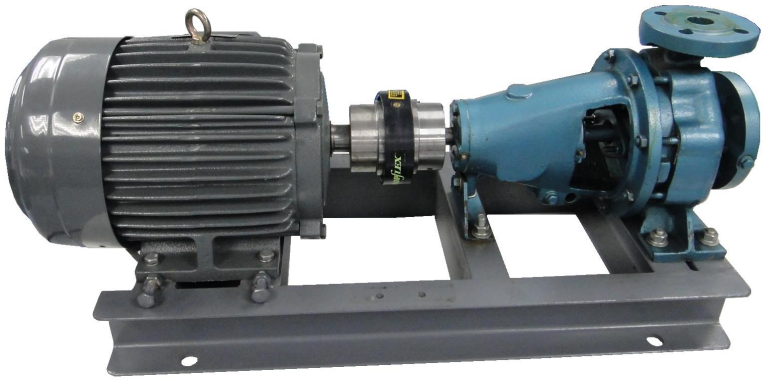


COURSE OBJECTIVE

Perfect alignment of machinery is crucial to prevent catastrophic failures. Over the pass decades, surveys show that as much as 50% of all premature machine breakdowns are attributable to poor alignment. Furthermore, up to 90% of all machines run outside their recommended tolerances. With the latest *state-of-art laser technology,* it provides a more accurate way of detecting and correcting misalignment.

BENEFITS

- Reduce energy consumption
- Reduce excessive vibration
- Extend service life of seal, coupling and bearing
- Increase productivity hours and product quality

WHO SHOULD ATTEND

- Maintenance executive
- Reliability staff
- Rotating equipment engineer

Machines "In Line" stay "On Line"

Premature bearing failures, high vibration levels, hot couplings or leaking seals can all be indications of misaligned machines.

PRE-REQUISITE

No pre-requisite is required

COURSE MATERIALS

Comprehensive notes and a collection of case studies

COURSE DURATION

1 DAY

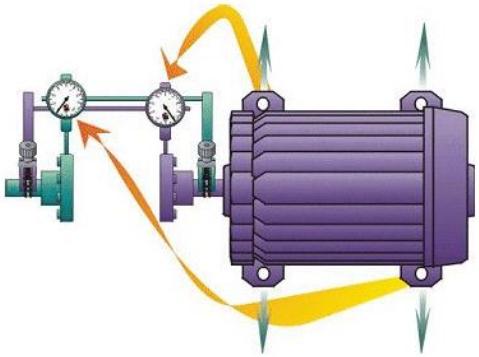
CANCELLATION POLICY

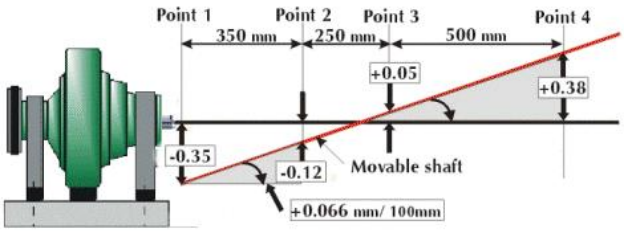
If notice of withdrawal is given in writing - 14 calendar days before the course date, 80% of the course fee will be refunded. A 50% refund will be made for cancellation received in writing – 7 calendar days before the course date. After which, NO REFUND will be entertained.

COURSE TOPICS

Lesson 1
Terminology

- Definition of Shaft Alignment
- Benefits of Shaft Alignment
- How misalignment is measured?
- How alignment corrections are made?



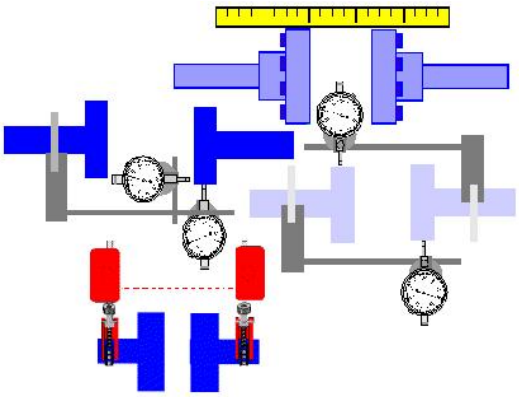


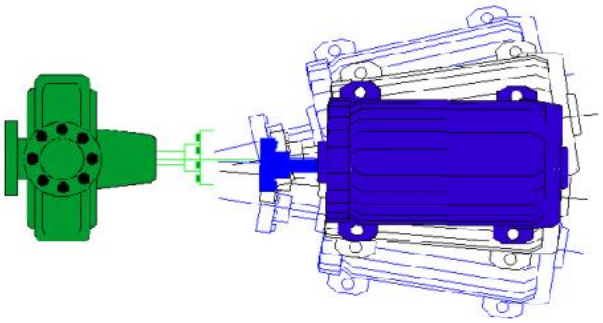
Lesson 2
Calculation

- Overview – Dial Indicator Method
- Shaft angularity from readings
- Corrections at movable machine feet
- Alignment limit tolerance chart

Lesson 3
Alignment Technique

- Straight-edge feeler gauge method
- Dial indicator rim-face method
- Dial indicator reversed rim
- Twin laser systems method





Lesson 4
Alignment Procedures

- Overview : Laser Shaft Alignment
- Soft foot correction
- Stage 1 - Pre-alignment Procedures
- Stage 2 - Rough alignment Procedures
- Stage 3 - Precision alignment Procedures
- Hands on : Horizontal Shaft Alignment

REGISTRATION

SIGN UP NOW!

1ST Delegate Name: _____

Job Title / Department: _____

Telephone: _____ Fax: _____

Email: _____

2ND Delegate Name: _____

Job Title / Department: _____

Telephone: _____ Fax: _____

Email: _____

3RD Delegate Name: _____

Job Title / Department: _____

Telephone: _____ Fax: _____

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