

**Course Title: SHAFT ALIGNMENT**

**Course Code: MEC 109**

**Course Background / Summary:**

This training covers comprehensive knowledge and practical skills in machinery shaft alignment and measuring the correct alignment. Misalignment is a condition where the shaft of the driver and driven machine are not on the same centerline. Participants will learn theory and practical about shaft alignment, the causes of misalignment, the shaft alignment method, and the measurement of shaft alignment especially using a vibration signature.

**Course Objectives:**

- Describe types and causes of shaft misalignment.
- Describe the method of shaft alignment.
- Perform shaft alignment using
- Diagnose machine condition for unbalance and misalignment.

**Target Audience:**

- Industrial workers from technicians to engineers, etc.
- Teaching staff (vocational & technical teachers), lecturers, etc.

**Course Duration: 3 Days**

**Course Contents**

**1.0 Introduction to shaft alignment**

**2.0 Types of shaft coupling**

**3.0 Types and causes of misalignment**

**4.0 Methods of shaft alignment and coupling alignment**

**5.0 Conducting horizontal shaft alignment**

**6.0 Machine condition diagnostic for misalignment.**