

Laser Alignment Services Using Latest Wireless Technique

Vibrotech Trainers & Consultants Pvt Ltd, Chennai, an ISO 9001: 2015 & ISO 18001: 45001 Certified Company

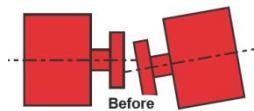


have been providing cost effective solutions in the field of Predictive Maintenance through Vibration Analysis, Diagnostic Studies, In-situ Dynamic Balancing Services & Thermography.

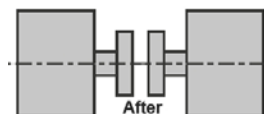
To meet the further demands of our esteemed customers, we have commenced Laser alignment services. Our team of specialists can set up the lasers quicker and perform machine tool calibration faster than almost anyone offering those services today. This means they know where to position targets to maximize the use of laser alignment systems and thereby

minimize time-consuming mistakes. We also have experts at designing and building fixturing for the majority of laser alignment applications including Pumps, Fans Compressors, Turbines, Vertical Pumps, Pulleys/Sheaves etc. We work closely with local machining vendors for special applications to ensure the fixtures are machined correctly and as cost-effectively as possible.

Shaft Alignment



Shaft Alignment is phenomena where centerline of both the shafts is co-axial to each other at normal working temperature. Shaft Alignment is indicated by parallel offset and angular offset which appear individually or simultaneously in horizontal and vertical direction.



The instrument uses state-of-art laser-based shaft alignment system working on reverse dial gauge method and the measurements are communicated wirelessly through Bluetooth to an iPad.



Our specialists carry out pre-alignment checks like foundation voids burrs and levelling of soleplates, Bent Shafts, condition of coupling (holes, teeth, shims, etc), Pipe Strain Mounting bolts for sufficient radial clearance, shim packs for bend or rusted, moving limitations / Bolt bound situations, provision of jack bolt. In addition he software guides through **identification and correction of Soft Foot**.

We perform alignment on all Horizontal & Vertical flange mounted rotating equipments through most effective way either by standard 9-12-3 clock position measurement, or if there is limited room for shaft rotation, the system enables users to use only two 20° rotations of shafts.

The report is automatically created when the alignment is finished. The operator can simply sign it, and it is ready to be shared. The report shows the measurements for "As Found" and "As Corrected" side-by-side.

Importance of Laser Alignment - It provides accurate readings, On-line correction, Time saving, Less man power, Increased machine life.

For Further Details contact:

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Indian Representative:

Vibration Institute - USA (for ISO Vibration Analyst Certification)

VMI International AB - SWEDEN (Instruments measuring Rotating & Reciprocating Machine Vibration)

Vibraquipa S.L.U. - SPAIN (Instruments measuring Ground, Building & Structure Vibration)