

Pump Alignment

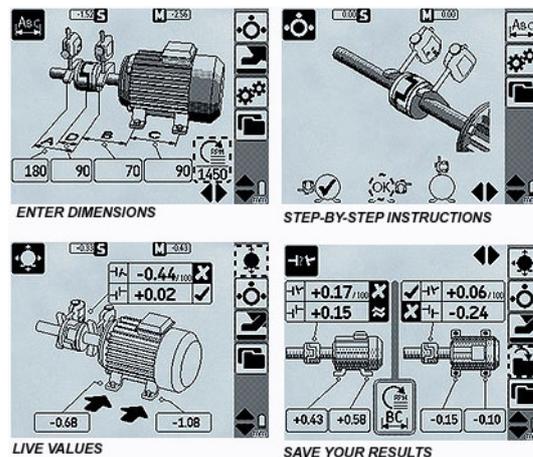
The alignment of pump shaft couplings and motor drive shafts is critical to ensure efficient running and to reduce the risk of breakdown.

Misaligned pumps and drives result in vibrations and premature wear of bearings, seals and couplings. It is a recognised statistic that over 50% of plant failures are a result of misalignment.

Drive Shaft Alignment

Drive Shaft Alignment in an industrial context refers to the correct positioning of rotating equipment to ensure that the rotating drive shaft and driven shaft (for example: a motor and pump assembly) are perfectly aligned across a rotational centreline for efficient running and operation.

Where shafts are misaligned, due to angular or offset misalignment due to one unit (such as the motor) being positioned fractionally out of line with the opposing unit, then the shafts, couplings and units themselves will be subjected to increased vibrations and stresses.



To Summarise Then

- Increase bearing life
- Reduce stress on couplings and thereby the risk of overheating and breakage
- Reduce wear on seals, helping to prevent contamination and lubricant leakage
- Reduce friction and thereby energy consumption
- Reduce noise and vibration
- Increase machinery uptime, efficiency and productivity
- Reduce costs of replacing components and machinery downtime

