



Alignment Supplies, Inc.

National Distributor For

**EASY-LASER®**

## ***Shaft Alignment Checklist***

***By Paul Berberian***

Before you head out of the shop to align a piece of rotating equipment, a little pre-alignment planning will make the job go smoother and faster resulting in a better outcome.



### **Checklist:**

- Review the lockout tag out procedures in affect at your facility. Don't forget to consider all potential energy sources in your planning.
- Check for the manufacturer's alignment specifications, review and determine your tolerance for the movable machines and what type of coupling is being used.
- Do you have a supply of good quality shims? We recommend precut stainless steel shims, with actual thickness markings to avoid stacking tolerances in the field.
- Be prepared to clean the equipment bases and feet, inspect the plinth or piers if any. A quality alignment can not be made on a crumbling foundation. Don't forget pipe strain or other forces that can affect the stationary equipment.
- Is your alignment equipment in good condition? Do you have all the brackets or fixtures you might need including a magnet base and dial indicator to check for shaft and coupling "run out".
- Do you have the proper equipment to move the machinery as needed? Lifting bars, hydraulic lifting devices and portable jack bolts can save a lot of time and improve accuracy, in the absence of mounted jack bolts.
- You should know alignment tolerance for the machine, cold misalignment offsets coupling gap and any time restrictions.
- You should check for coupling and shaft run out, pipe strain, and soft foot.

Now that you have taken the time to plan the job, you will be able to concentrate on working to your tolerances with speed and accuracy. Oh yeah – and using ***Easy-Laser®*** will eliminate all the guess work and standardize your mechanic's methods.

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*Since 1985, Alignment Supplies, Inc. has served the rotating machinery industry with a complete line of alignment-related products for shaft and machinery alignment. As the US Master Distributor for Easy-Laser®, Alignment Supplies, Inc. has the experience, resources, and equipment to address any alignment need. Contact us at 419.887.5890 or at [www.alignmentsupplies.com](http://www.alignmentsupplies.com).*