

VibrAlign Laser Alignment Tips

Multi-foot Application

Some older machines may have six (and even rarer, more) feet on the moveable machine, typically the driver turbine or motor. Using the Fixturlaser Shaft system to accomplish accurate alignment is a standard operation. Record the A and B dimensions as standard; record the C dimension using the two feet farthest from each other. Utilize either clock or limited rotation methodology of the Fixturlaser Shaft system to measure. To see live readings at any foot position, simply change the C dimension to the measurement between the front foot and the foot to be displayed. Typically, the measurement of interest is the vertical where shims are needed on multiple feet. As always, pre-alignment checks should be made for soft foot, pipe strain, poor base, etc.

Multi-foot applications should take serious consideration for flatness of the base plate. Cupping, crowning and angle base plates may induce stress to the rotating elements. Additional care should be taken for soft foot problems. VibrAlign recommends that dial indicators be used to check each foot location (see specialized Soft Foot Application).

