

FEECO's highly-skilled Aftermarket Engineers utilize a state-of-the-art laser tracking system to perform rotary drum alignments, as well as a variety of other tasks.

Where traditional methods of alignment relied on measuring angles and distances by hand, laser trackers utilize a laser beam to measure 3D coordinates, ensuring accuracy and efficiency, all while eliminating the potential for human error.

### THE FEECO ADVANTAGE

Our state-of-the-art laser tracker offers many advantages over traditional methods of alignment:

- Alignments are performed more quickly and accurately
- Precision accuracy allows for achieving extremely tight tolerances
- The laser tracker is portable and can be utilized anywhere; no need to move equipment
- Benchmarking capabilities allow us to track historical data

### ROTARY DRUM ALIGNMENT

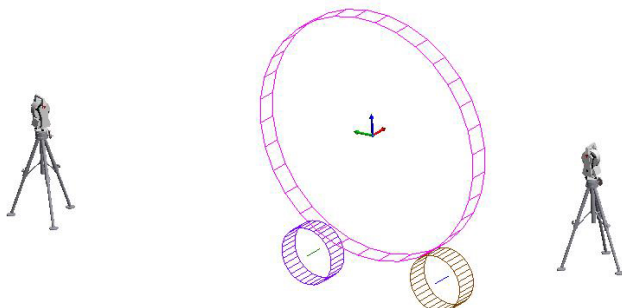
The importance of proper rotary drum alignment should not be overlooked. Misalignment causes excessive wear and can result in major damage if left untreated. Rotary drums naturally fall out of alignment over time, due to regular wear and tear, so routine re-alignment is an important part of preventative maintenance.

**Telltale signs that a drum is out of alignment include:**

- Excessive tire/wheel wear
- Damage to the tire/wheel
- Excessive wear on the thrust roller
- Damage to the thrust roller
- Pinion/girth gear wear
- Pinion/girth gear damage
- Drive components are chattering/vibrating

It is also imperative to ensure proper drum base installation during install, as this too can contribute to alignment problems. Achieving proper drum float and alignment will help prevent premature wear on tire and trunnion wheels, as well as extend the life of the equipment.

Contact us today to learn more about laser alignment! [service@feeco.com](mailto:service@feeco.com)



### WE CAN ALSO PERFORM:

- Drum Shell Ovality Checks
- Drum base alignment
- Drum Shell Thickness Testing
- Coupling and Shaft Alignments
- Elevation Checks
- 3D Measuring
- Spatial Mapping for Equipment Layout
- Intricate Chute Designs
- Accurate Equipment Installs
- Pattern Layouts (both flat and circular/tubular)
- Plant Layouts – New Construction or Existing Plants
- Horizontal and vertical checks of equipment - conveyor and elevator alignment, paddle mixer shaft straightness, shuttle conveyor rail alignment, and more.

