

Fan Shaft Restoration

The OTT Stationary Fan Shaft Process

With more than 50 years of combined experience in the field of industrial fan restoration, repair, and modification, OTT continues to effectively utilize its unique stationary shaft and journal restoration process to restore all types of industrial fan shafting to OEM specifications.

Quickness, affordability, and safety are the reasons so many demand Orbital Tool Technologies for these types of repairs. We have proven again and again that we can accurately, efficiently, and cost effectively, return straight, round, and concentric conditions to within ± 0.0005 " final machine tolerances.



Utilizing our unique process, we are able to restore, repair, or modify shafting on:

Axial Fan Shafting

- FD Fans
- ID Fans
- FGD Booster Fans
- Mine Ventilation Fans
- Highway Tunnel Exhaust Fans

Centrifugal Fan Shafting

- Boiler Fans
- Induced Draught Fans
- Sinter Waste Rotor Fans
- Steel Mill Fans
- Impeller Shafting

Industrial Fans

- Mixed Flow Fans
- Ventilation Fans
- Air Handling Systems

Heat Exchangers

- Horizontal Preheater Shafts
- FGD Gas Reheater Shafting
- Air Preheater Shafting

Boiler Feed Pumps

Feedwater Heaters

Summarizing the OTT Fan Shaft Restoration Process

Utilizing the OTT Stationary Machining Process our technicians are able to restore or modify all types of industrial fan shafting to precise OEM specifications. All shafting is restored to straight, round, and concentric conditions to within ± 0.0005 " final machine tolerances. Finishes to 16 RMS or better! The entire process is completed "without shaft rotation."

Emergency Response

If you have an industrial fan that requires attention, call 1-800-607-2838 today. Whether you require a simple under cutting, weld overlay, shaft sleeving, crack removal, shaft straightening (heat or peening), or a complete turn-a-round, we're ready to respond, 24-hours a day, 7-days a week, 365-days a year. Additionally, we can provide vibration analysis, dynamic and/or harmonic balancing, and precision coupling alignment.

An Overview of Our Fan Shaft Restoration Process



1. Pre-machining for weld overlay or sleeving preparation of fan shaft
2. Preparation of weld for final machining
3. Stationary machining to return fan shaft to straight, round, and concentric conditions
4. Shafting restored to within ± 0.0005 " final machine tolerances
5. Final OD Honing of fan shaft to restore OEM finish requirements

Our Business Revolves Around You



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