



Shaft and Journal Repair

1st in Stationary Shaft and Journal Restoration.

Orbital Tool Technologies' unique, on-site machining process is cost effective, accurate, and efficient.

Orbital Tool Technologies provides its customers:

- Final machine tolerances to ± 0.0005 "**
- Finishes to 16 RMS or better**
- Competitive pricing**
- 24-hour emergency service (365 days a year)**
- Highly skilled field technicians**
- The most advanced portable machining equipment available**



So what makes Orbital Tool Technologies the No. 1 competitive advantage for shaft and journal restoration?

1. With our unique process there's absolutely no need for shaft rotation. We have completely eliminated the need for costly mobilizations, exorbitant shipping costs, valuable lay down space, and plant crane and rigging requirements. Unloading and loading of equipment is quick and is typically accomplished with a small forklift. Once on site, our technicians are set-up in less than four hours and the project is completed (in many cases) in less than 48 hours. OTT provides the ideal solution in critical path scenarios.
2. We will, without question, restore dimensional straightness, roundness, and concentricity, to within ± 0.0005 " final machine tolerances.
3. We can easily supply you with machine finishes of 16 RMS or better.
4. With our proven process we can restore Turbine Journals, Generator Journals, Exciter Bearing Journals, Collector Rings (including re-grooving), Hydrogen Seals, FD & ID Fan Journals, Pump Bearing Journals and Shafts, Motor Shafts, Propulsion Shafting, and the list goes on. Our process can be utilized on straight or tapered shafting in almost any environment.
5. Applications are performed at your facility. Our technicians can accomplish your shaft restoration regardless of size, position, damage, material, etc...

Emergency Response and Planned Support

Orbital Tool Technologies is ready to respond to your emergency needs or to support you during a planned outage, 24-hours a day, 7-days a week, 365-days a year. In most situations, our field technicians are on-site in less than 24 -hours.

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Continued

Summarizing the OTT Stationary Shaft & Journal Restoration Process

Whether single point turning, O.D. honing, or burnishing, our process guarantees lower maintenance costs and minimum downtime. We provide our customers safe, efficient and cost effective solutions with a continuous regard for the highest quality standards.

Regardless of the OTT capability you may require, we guarantee we will make every effort to provide the lowest possible service cost through the use of advanced technological processes and efficient operations.

Minimum mobilization and transportation costs
Fast & easy unloading, loading and setup
Valuable plant lay down space is never required
The process can be accomplished with the rotor in the unit
In many cases, single bearing removal is the only required disassembly
The process is completely independent and requires absolutely no shaft rotation

The ultimate two-step process:

Machine to restore straight, round, and concentric conditions to within ± 0.0005 " final machine tolerances.
O.D. hone (polish) to achieve the ultimate in finish requirements.
The process can be performed effectively in practically any position and almost any environment.
Final results will meet or exceed OEM specifications.



Nobody has done more stationary applications than Orbital Tool Technologies, Corp. After all, it's our specialty!

Our Business Revolves Around You



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