

Journal Rebuilds for 593, 613, 633 Bowl Mills



A History of Service:

R-V Industries, Inc. has provided high-quality service and repairs for 35 years.

Our facilities feature 180,000 sq. ft. of manufacturing space and our turnkey services include:

- Engineering
- Machining
- Fabrication
- Assembly
- Finishing
- Testing and Inspection Services

R-V has a dedicated staff to handle our rebuild programs for the the power and paper industries.

We will work with your organization to develop a customized program to servie your specific requirements.



We can also provide you with the parts for in-house rebuilds. Contact us for availability.

Rebuild Procedure

- Unload journal assembly and tag with customer identification numer.
- High-pressure wash to remove dirt, grease, and foreign material from the assembly.
- Perform preliminary inspection
- Drain oil from the journal
- Disassemble the journal, clean all parts and skid for inspection
- Inspect and document upper journal housing and lower journal housing
- Inspect and document journal shaft.
- Replace all parts listed in our "Base Scope of Supply":
 - (1) Upper journal bearing, (1) Lower journal bearing, (1) O-ring seal, (2) Trunnion shaft bushings
 - (2) Journal thrust plates, (1) Inner air seal washing (1) Outer air seal washer (8) quarts of Texaco EP-8 oil.
- Replace and/or repair other parts as approved by customer
- Notify customer representative when repairs are completed.
- Properly package and skid assembly for customer pick-up from R-V warehouse storage facility.
- Load on customer supplied truck or carrier as specified. R-V also has trucks available.

Grinding Roll Weld Overlay

R-V Industries provides high-quality, competitively-priced, grinding roll weld overlay service.



Before Overlay



After Overlay

Our current overlay material is Eutectic Termatec AO 4603, specially formulated to resist grinding and high speed particle abrasion. This material is designed to enhance wear resistance with each consecutive pass. This material is being used by several utilities with proven success; however, we will give consideration to alternate materials if so desired.

Overlay Procedure:

- Upon receipt, rolls are inspected for wear on grinding surface and bore.
- Engineering department reviews and completes an “as receive” inspection report.
- Sharp corners, loose and foreign material are removed to maximize adhesion.
- Roll is mounted on a solid machined mandrel to maintain proper bore taper.
- Weld metal is desposited to restore outside diameter to original configuration.
- During weld process, heat an dinterpas temperatures are controlled.
- After welding, roll is wrapped in thermal blankets to prevent excessive cracking.
- Completed roll goes through rigorous final inspection to verify overall dimensions and degree of taper.
- Bore is coated with rust preventative and exterior is painted.