

# Roll Wheel Assembly Rebuild Programs Provide Maximum Service Life and Availability

B&W Roll Wheel® pulverizers operate under severe conditions. High dynamic loading of the components in an extremely abrasive environment will eventually limit the life of a roll wheel assembly. Because operating conditions vary, there is no exact formula for calculating the service life of a roll wheel assembly.

A comprehensive rebuild program is the key to maintaining availability and maximizing the service life of your roll wheel assembly. As an original equipment manufacturer (OEM), Babcock & Wilcox (B&W) offers the entire line of replacement parts and rebuild services to support the operation of your pulverizer.

## *A B&W rebuild is more than replacing worn parts*

Roll wheel rebuilding requires more than just the replacement of visibly worn or broken parts. The B&W rebuilding process begins with the disassembly and inspection of your existing components. This inspection offers the experience of more than 500 roll wheel assembly rebuilds from an entire range of operating conditions. While every assembly requires the replacement of a number of standard parts, the evaluation of critical components allows B&W to assure you maximum rebuild reliability and value.



*B&W's comprehensive rebuild program is designed to maintain availability and maximize the service life of your roll wheel assembly.*

## *Rebuilt to OEM design specifications*

B&W inspects each part to original equipment requirements. If a part is out of tolerance, we maximize your rebuild value by reconditioning that part, provided it does not affect the integrity of the assembly. For example, the tire mounting surfaces of the wheel are often degraded so that the critical interference fit with the tire can not be achieved. In most cases, this surface can be restored to the proper size and finish for less than the price of a new wheel.

Each roll wheel assembly is returned to current design specifications. B&W's experience with roll wheel mills has led to numerous component improvements that can be

incorporated during the roll wheel rebuild. One such improvement is our newly designed lip-type oil seal for the B&W-89™ pulverizer. Although this new seal is designed to operate at pressures significantly higher than that of the originally designed seal, it exerts no more pressure against the seal sleeve. The proprietary seal material reduces the coefficient of friction between it and the seal sleeve. In addition to improving the seal material, the metal portion that holds the seal has been improved to assure that an air tight seal will exist between it and the seal retainer.

The new and/or reconditioned components are reassembled by qualified and dedicated personnel using tools and procedures

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specifically designed for the required assembly. After the rebuilt assembly passes an air pressure test, it is completely filled with operating oil for storage and returned fully warranted.

### **Reduced handling requirements and costs**

The cost to have B&W rebuild your roll wheel assemblies, in many cases, will be less than the combined cost of the labor, handling and inventory charges associated with rebuilding the assemblies at the plant. To support our rebuild program, B&W maintains the largest inventory of roll wheel pulverizer parts in the world.

B&W also offers a roll wheel assembly exchange program for customers. We stock roll wheel assemblies that have been completely re-manufactured to current design specifications. These assemblies are available for immediate shipment.

### **A service program based on your requirements**

B&W rebuilds roll wheel assemblies at our regional service centers located throughout the United States. Delivery and receipt are scheduled to meet your requirements. In the event of an unscheduled outage, our

Customer Service Line is available 24 hours a day, seven days a week for complete emergency assistance. Spare roll wheel assemblies are also available. Call toll free 1-800-354-4400. Or, contact your regional Sales or Service office for more information on our complete roll wheel rebuild programs.



*During B&W's rebuilding process, each part of the roll wheel assembly is inspected to OEM requirements to ensure product quality and integrity.*

#### **Babcock & Wilcox**

20 South Van Buren Avenue  
Barberton, Ohio, U.S.A. 44203  
Phone: +1 330.753.4511

[www.babcock.com](http://www.babcock.com)     

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