

JRI Washer Case Study

Steel Industry

Customer's Industry and Application Details:

Customer provides Roll Grinding, Polishing, and Finishing services for a number of large U.S. steel plants. The services are provided on the end user site with the Customer managing and operating the plants' Roll Shop.

The Roll Shop services a large international steel plant located in the southeastern U.S. This large facility has a 6-stand 4-high Hot Mill; Pickle Line; Galvanizing Line; 5-stand 4-high tandem Cold Roll Tempering Mill; and a Melt Shop with a 6-strand Continuous Strip Caster.

The JRI "steel-mill size" washer cleans all the roll bearings and chocks in the Roll Shop.

The JRI Solution:

The custom solution provided to the Roll Shop was the model PCS-8472. A summary is provided below.

Important Features of model PCS-8472

- One 75 hp Wash Pump with Soft Starting
- 6" Immersion Tube Heating system with 2.0 mBtu NG burner
- Digital Temperature Thermostat Control
- Turntable Weight Upgrade to 10,000 lbs.
- Turntable diameter 84"
- Wash Tank 1650 gallon
- Fresh water Rinse System
- PLC controlled Sequencing
- Rear mounted - Waste Sludge Conveyor Removal
- Automatic Water Fill System
- Stream Exhaust Fan



Side View shown in Steel Plant



Inside View of Turntable area



Hot Mill Stands



Cold Temper Mill



Focused Precision Cleaning

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