



Steam Turbine Diaphragm Full Steam Path Repair

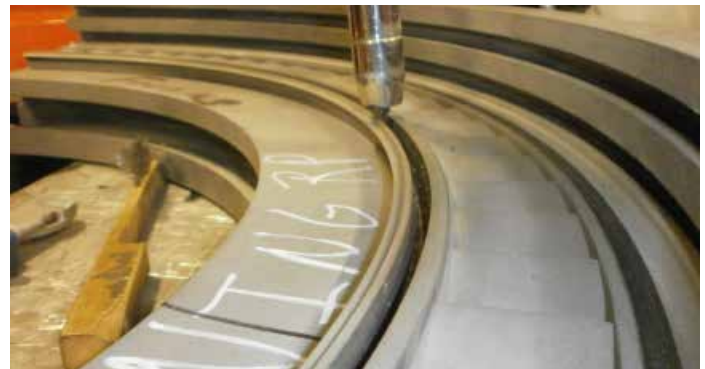
With GE's Center of Excellence (CoE) approach to repair services, we can concentrate our repairs resources on achieving consistent, high-quality results. GE offers a full steam path repair solution for major steam turbine diaphragm repairs. The damaged steam path and sidewalls are replaced using the existing inner and outer rings. In addition, an improved geometry also can be offered to prevent further diaphragm distortion.

Reduced Weld/Grind Time, Cycle Time And Cost

To reduce your cycle time while offering full support during a major outage, GE stocks the material for the partitions, which are made from the original model. This reduces the cycle time by 20 %. The full steam path repair process eliminates about 99% of the manual hand grinding and lowers the overall repair cost by \$90,000.

Repair Process

Faro® scan data and the original model are used to create the partial partitions and obtain proper alignment for the throats and pitches. Once the new steam path is created, it is fitted to the correct location in relation to the rings via a fixture, and the grooves are filled with weld. The final steps are stress relief and finishing machining.



Features and Benefits

- Helps restore steam path efficiency back to original specs
- Includes repair option to improve resistance to distortion
- Reduces cycle time up to 20%
- Saves \$90,000 in costs
- Uses GE proprietary technology (patent pending)

This repair is offered for select A and D series code type steam turbine stages.

For more information, contact your Power Services account manager or visit www.ge.com

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