

# MSIV Services

Single setup MSIV diagnostics and repair system



## WSI MSIV repair service highlights

WSI introduces its new Single Setup MSIV Diagnostics and Repair System

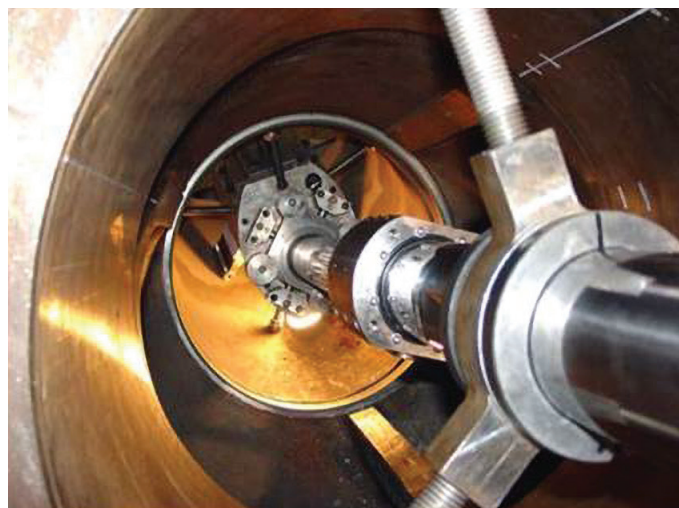
- Fully integrated tool for electronic mapping + machining + welding
- Significantly shortens the time for repair implementation
- Electronically maps the valve's existing and post repair conditions
- Eliminates the need for equipment rigging between repair operations

WSI is prepared to perform full contingent and emergent MSIV work scopes. Our repair solutions include valve data mapping, hardfacing repairs (both base metal and Stellite), body and flange area repairs, poppet preparation and repairs, all utilizing a simple setup precision machining and remote welding system. Cylindrical Coordinate Measuring Machine (CCMM) allows for "informed" repairs to valves and long term valve performance analysis.

## Nuclear field services experience

WSI has performed repairs in over 130+ nuclear power plants around the world including Pilgrim, Oyster Creek, Fitzpatrick, Browns Ferry, Nine Mile, Cooper, Laguna Verde, Garona, Susquehanna, McGuire, Catawba, Davis Besse, Calvert Cliffs, Crystal River, Vermont Yankee, and St. Lucie.

Welding is performed with an Automatic Remote Video GTAW Welding Process. Travel speed, wire feed, arc voltage, current, and other welding parameters are digitally controlled and calibrated to deliver exceptional weld quality every time. The Control Console can be set up to 150ft away in a low dose area and both the Seat and Rib weld heads are attached to the rigid drive system with a quick change connection to reduce set up times and dose.



WSI holds ASME "S," "U," "U2," and "R" certificates (code stamps) and has a full services Quality Assurance Program to support requirements necessary to perform work using these certificates.

Engineering and expertise with materials, remote welding, tooling, design, and repair design capabilities – with proven experience in a wide range of custom tooling and technology challenges to meet our nuclear customers' requirements quickly. WSI's valve repair program is ready to address MSIVs and other major valve repairs with qualified procedures, state of the art equipment, and experienced project management and craft personnel.

WSI's ASME Weld Program has developed over 1,000 PQRs and WPSs.

## WSI Repair Service Benefits

- Consistent quality results
- Reduced schedule and costs
- Reduced dose and improves ALARA results
- Time is spent on valve repair, not equipment setup
- 100% success rate on LLRT's

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