



Project Scope: Springs Fab provided the fabrication, assembly, testing and delivery of the Moore Base Lathe and Staging Gloveboxes to a DOE facility. The gloveboxes enclose a Moore T-lathe, and provide parts staging, atmospheric control and radiation shielding.

The Moore Base Lathe Glovebox is constructed of 5/8" T304L stainless steel plate. Springs Fab fabricated this glovebox along with the Staging Glovebox (not shown), and also supplied copper utility piping that has typically been constructed in the field. The assessment by the customer was that Springs Fab saved the project significant cost and schedule by including the piping in our scope. In addition to the gloveboxes and piping, the system final assembly included O₂ and H₂O analyzers, and a hydraulic pump that will supply functional power to the Moore T-lathe in the field.

Specific Activities Performed by Springs Fab:

- Fabrication of 5/8" plate glovebox, polished to an ASTM A 480 #4 finish (32Ra)
- Fabrication of lead shielded Parts Staging Glovebox
- Fabrication of copper piping with valves and plumbing components
- Assembly of atmospheric analyzers
- Final leak testing and system FAT testing
- Disassembly, crating, and shipment