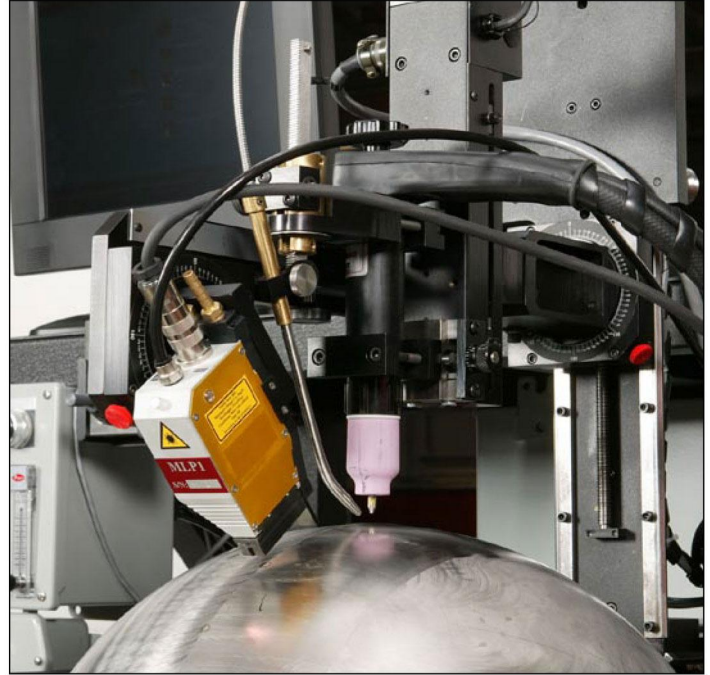


AWS-300 3 Axis C.N.C Laser Seam Tracking Advanced Welding System



This system was designed and manufactured for a company producing high reliability flight hardware.

Goal: Design a Computer Controlled Automatic Welding Station that would reposition the torch, laser track the weld seam and produce x-ray perfect welds with no operator present during the Multi-Pass Tig Weld process. The system memory stores all the process parameters to enable rapid part change over.

- 300 Ampere Computer Controlled P.S.
- 3 Axis C.N.C. Controlled
- Laser Seam Tracker
- Cold Wire Feeder
- Arc Distance Control
- Dual Stage Quick Purge
- Network Interface

Application:

Short Run – High Volume
Pressure Vessels for Fire Extinguishers and
Hydraulic Accumulators

Industry:

Aircraft / Aerospace

Requirements:

Operator less system operation to produce highly consistent x-ray clear full penetration Tig welds