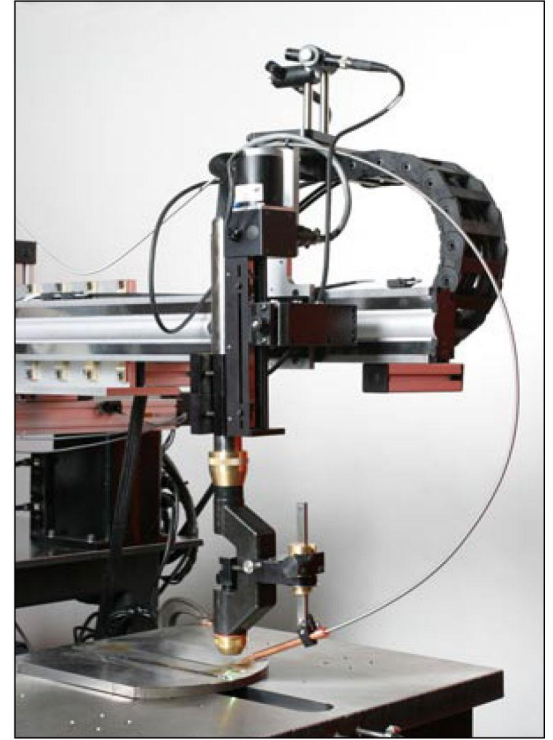


# AWS-400 3 Axis Plasma Arc/Keyhole Advanced Welding System



This system was assembled using standard Weldlogic products to provide an automatic Plasma, keyhole/Plasma Arc welding system.

- 400 Ampere computer controlled power supply
- Plasma ARC console and cooler
- Three axis C.N.C. motion controller
- Mass flow control (keyhole gas sloping)
- Cold wire feeder
- Two camera split vision system for seam tracking
- Synchronized, current, position, gas flow, wire feed, voltage and velocity

Application:

Primary

Plasma keyhole welding .500"+ (13.0mm) 64 titanium in a single pass butt weld joint

Secondary

Plasma ARC welding .500" (13.0mm) open root with filler wire

Industry

Aircraft engine components

Requirements

Ex-Ray welds