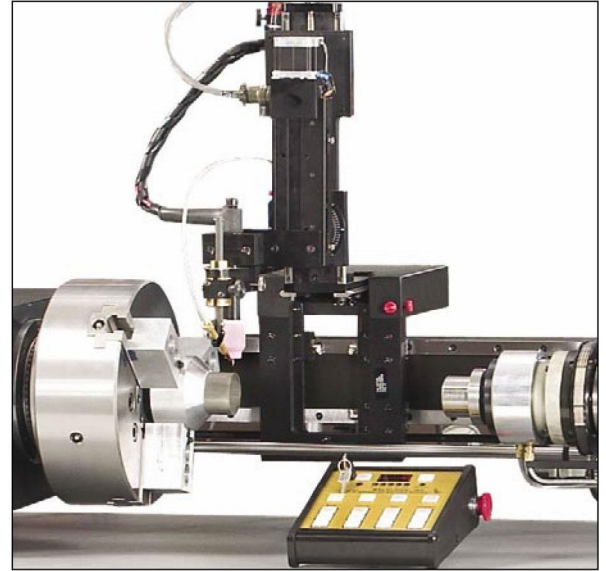




## AWS-150/300-6100 System With Dual Spindle Drive



This AWS-150/300-6100 system required a mechanical engineered solution to enable the lathe spindle to pass thru a 3.8" diameter titanium tube and weld it to a end cap assembly.

The end cap required an expanding I.D. mandrel to round the tube for proper fit up.

Features include:

- 4" large bore spindle and 12" precision 3 Jaw chuck
- Dual spindle drive system
- Air actuated 5-C expanding tail stock mandrel
- Motorized horizontal torch positioning (joy stick)
- Trailing gas shield + I.D. purge
- Wire feeder required on some assemblies

### Application:

Circumferential Tig welding of titanium  
Tubular assemblies ranging from 1/2" – 3.8"  
diameter  
Lengths to 36"

### Industry:

Proprietary assembly

### Requirements:

X-ray clear full penetration welds on  
Titanium tubular assemblies