ARC-06S CNC Submerged Arc Welding System

- PMAC CNC controller
- 4-axis fully-automated coordinated motion
- Cross slides with 94” vertical travel and 72” horizontal travel
- Cross slide mast on servo linear travel carriage with 120” linear travel
- Integration of tilt & rotate positioner
- Fully integrated, PC-based HMI with welding parameter feedback including display of slide & table position
- HMI pendant with remote control
- G-code programmable
- Automated G-code program generation based on part dimensions
- Automated scratch starts for reduced operator intervention
- Constant surface speed welding using inverse kinematics
- ACC torch height control
- Torch position teach function
- Welding parameter storage
- Roller head submerged arc welding torch
- 1000 amp PowerWave 1000 AC/DC power supply
- Automated flux delivery from 300 lb pressure-fed flux tank
- Flux hopper with vacuum recovery (Heated flux option available)

System Dimensions: 369” x 115” x 192”
(L x W x H)

Work Envelope: 72” x 94” x 120”
(L x W x H)

Wire Thickness: 3/32” - 7/32”