



Advanced Manufacturing Engineering Technologies

Example Side Beam Systems

General Electric Energy Systems



- AMET Super Heavy Duty Side Beam with dual carriages providing 40' travel stroke.
- Cantilevered booms provide the secondary carriages and the weld heads with an 8' travel stroke.
- Dual process weld head with GTAW and SAW weld torches.
- Z-axis slides for the weld heads provide 48" of vertical
- Individual XM control package for each dual process weld head.
- Fully integrated weld system with XM control of all aspects of the system including power supplies, flux system, turning rolls, etc.
- Used for the build-up and repair of bearing journals on ground based power generation turbines.

20 Years of Automated Welding System Excellence



AMET inc. • 355 Dividend Drive • Rexburg, ID 83440 • (208) 356-7274 • www.ametinc.com

Holtec Inc.



- AMET Precision Side Beam with custom square box mandrel fixture
- Side Beam carriage has an effective 20' stroke.
- Fully integrated weld system with XM control of all aspects of the system including welding power supply, carriage position (x-axis), torch over center position (Y-axis), torch height (Z-axis), shielding gas, etc.
- XM Control system allows for up to ten pre-weld automation steps as well as ten post-weld automation steps.
- Weld system package included optional XM Program Storage & Offline Programming Software.
- Weld head incorporates pneumatic hold down clamping as well as pneumatic 90 degree torch pivot.
- Weld gear and XM control modules are mounted to a separate self contained equipment skid with single point power distribution.
- Used for spot welding sheet metal components of Spent Fuel Storage Boxes.