

MICHOUD ASSEMBLY FACILITY

Friction Stir Weld



Machine	X-axis	Y-axis	Z-axis	Turntable (TT)
UWS1	192 in.	246 in.	118 in.	20 ft.
UWS2	49 ft. 10 in.	22 ft. 8 in.	12 ft. 2 in.	22 ft.
RWT3	93 ft. Each weld machine	22 ft. 5 in. Each weld machine	12 ft. Each weld machine	3 annular TTs 20 ft. OD each, 15 ft. IN each
PDS1	40 in.	120 in.	24 in.	-

*RWT3 has 2 weld machines that share a common X-axis. OD=outer diameter, ID=inner diameter.



Universal FSW System (UWS1)



Universal FSW System (RWT3)



Universal FSW System (UWS2)



Process Development System (PDS1)

Product Building Capability

- Aerospace
 - Space Shuttle External Tank
 - Orion Crew Vehicle Ground Test Article
 - Boeing Delta II and Delta IV Expendable Launch Vehicles
- Automotive
- · Ocean Thermal Energy Conversion
- Shipbuilding
- Railway Rolling Stock

National Aeronautics and Space Administration

Michoud Assembly Facility 13800 Old Gentilly Rd. New Orleans, LA 70129 http://maf.msfc.nasa.gov

