

Aerospace Tooling

Nova-Tech Engineering, has over 30 years experience designing and building tooling for the some of the finest aircraft flying today.

Automated Tooling

Assembly Automation

Assembly Systems: Fuselage Align and Splice Tool (FAST), automated spar assembly tools

Automated Drill & Fasten: Multi function CNC heads (drill, inspect, seal, fastener insertion)

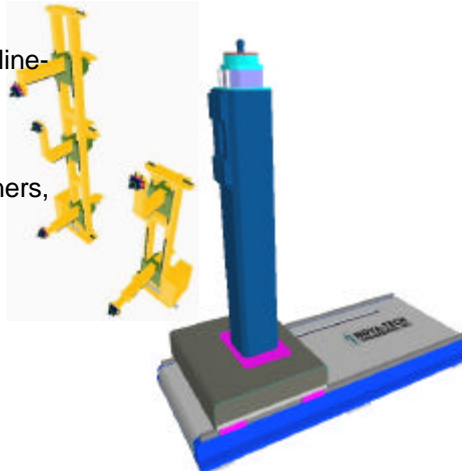
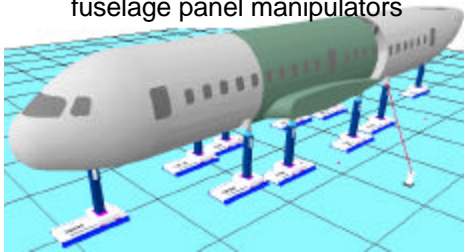
Fixtures For Automation: Holding fixtures, automated clamping arrangements



Align & Position Systems

Alignment Systems: Laser tracker and line-of-sight laser alignment, controls for positioners

Positioners: Fuselage assembly positioners, wing-to-body join positioners, fuselage panel manipulators

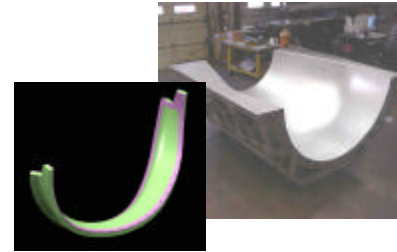


Conventional Tooling

Fabrication

Layup & Bond Jigs: Layup tools for composite fabrication, bond jigs for composites and metallic structures

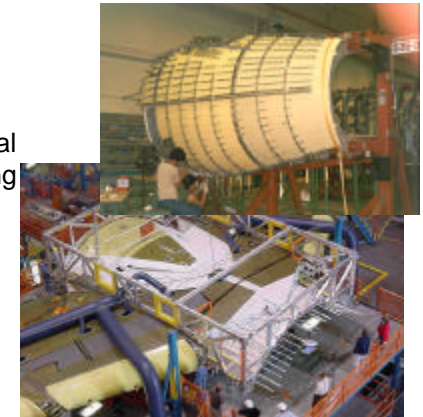
Trim & Drill Jigs: Conformal drill and trim jigs



Assembly & Installation

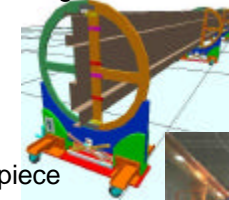
Assembly Jigs: Sub assembly jigs, final assembly jigs, fuselage tooling, wing tooling

Installation Tooling: Wing-to-body join tooling, empennage installation



Modification

Freighter Conversion Tooling: Passenger to freighter conversion tooling



Safety & Ergonomics

Work Positioners: Adjustable work piece positioners for worker ergonomics

Work Platforms & Scaffolding: Fixed and moving work platforms and scaffolds for large aircraft assembly



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