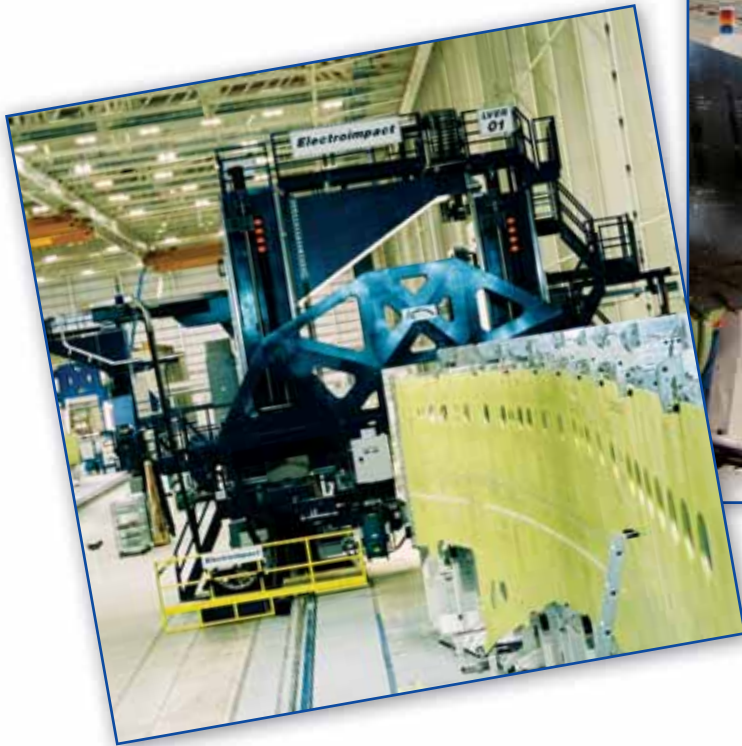


ELECTROIMPACT PROJECTS

**A broad spectrum of aircraft tooling
and automation projects**

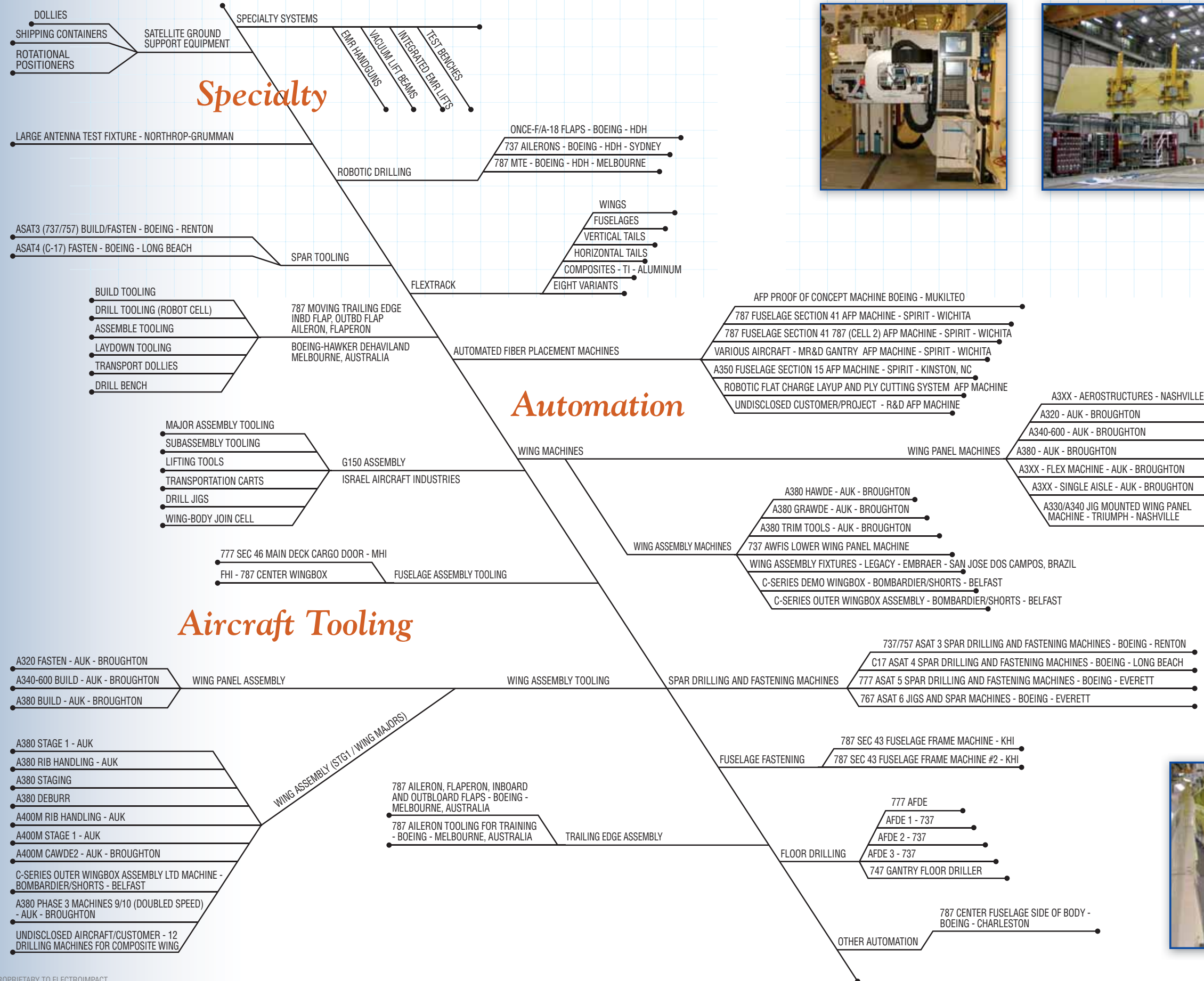


Mukilteo, WA, USA • Melbourne, Australia • Hawarden, Deeside, UK • Filton, Bristol, UK

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PROJECTS HISTORY





HAWDE CNC drilling machine travels up and down elevators and moves between jigs



Wing panel machine drills holes, applies sealant, inserts fasteners, shaves



Flextrack CNC ultralight drilling machine adapts to curved surfaces



Electroimpact end effector on KUKA robot enables aircraft quality hole drilling



Twin machines laying tow simultaneously



EI Metrology equipment includes the FARO ION, LEICA AT-401 and LEICA AT-901 laser trackers

▶ *Aerospace Tooling*

Stage 0 (wing panel assembly) jigs
Stage 1 (wing major) jigs
Small aircraft assembly tooling
Fuselage and wing join systems
Portable tooling

▶ *Assembly Automation (Complete one-up assembly)*

Ti/Al/Composite drilling machines
Rivet/bolt insertion machines
Multi-axis CNC machines
Custom machines

▶ *Robotics*

Robotic multi-function end effectors
Patent pending accurate robot technology

▶ *Space and Defense*

Ground support equipment
Satellite dollies
Antenna positioners
Shipping containers

▶ *Services*

Engineering
Oversize machining
Build to print services

▶ *Large Scale 3D Metrology*

▶ *Automated Fiber*

Placement Machines

Modular, rapid change-out heads
Multiple tow widths from a single machine
Post mill and gantry designs
Fully bi-directional operation
Short course high performance optimized



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