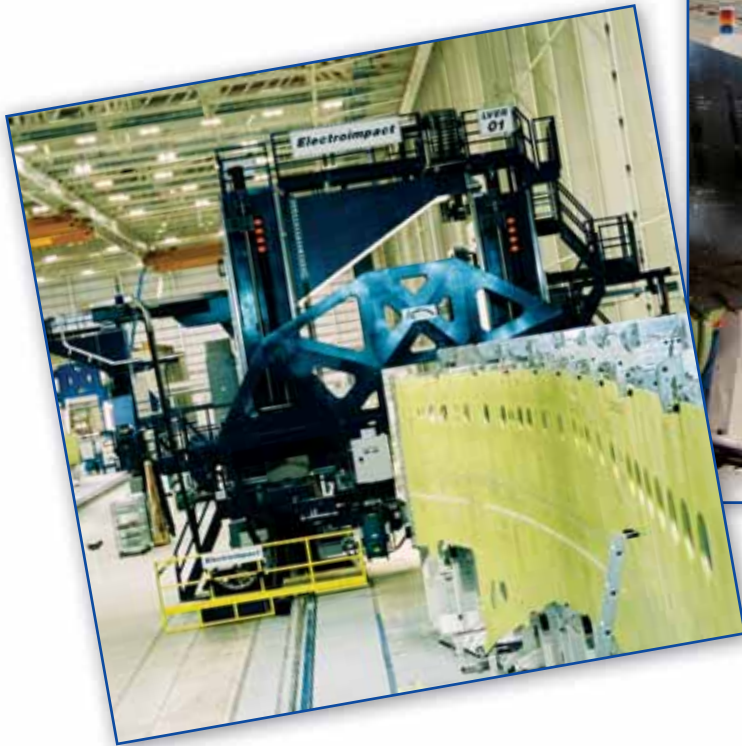


# ELECTROIMPACT PROJECTS

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

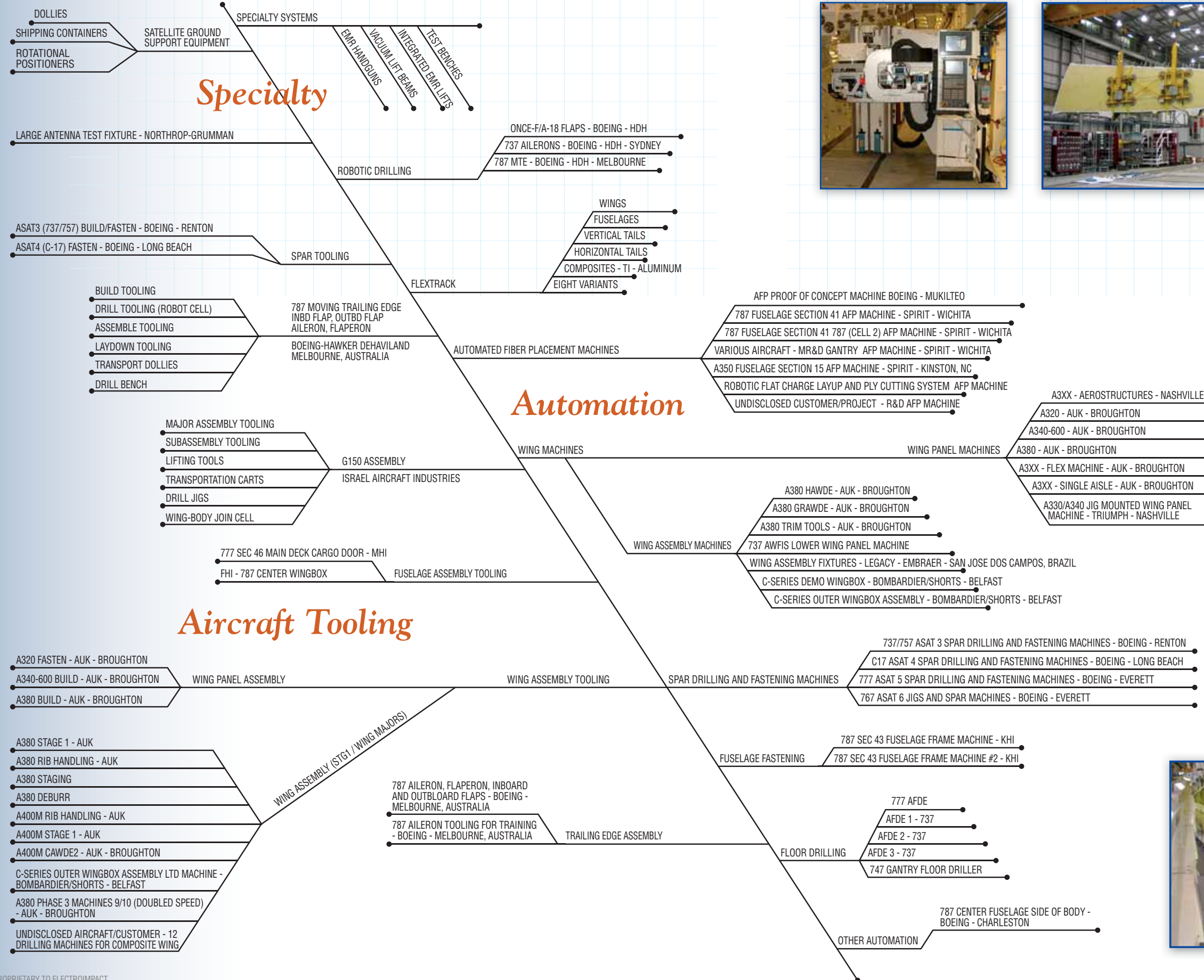


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# PROJECTS HISTORY





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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