

APPLICATION STUDY

AEROSPACE APPLICATION WINS

DEFENSE F35 WIN - 1

THE OPPORTUNITY

Replace Customer's pneumatic temporary fastener tools

THE SOLUTION

Adapted Customer's current stock of attachments and replaced the pneumatic tools as they failed. QX tools set for 25 inch pounds and 750 RPM.

THE RESULT

Cost savings to Customer. Tool lasted 1.5 years without issues vs competitive battery alternative.



DEFENSE F35 WIN - 2

THE OPPORTUNITY

Panel Fastener Installation

THE SOLUTION

Install titanium panel fasteners at the correct torque and speed with our QX tools. Speed is extremely critical when installing titanium fasteners. Torques from 35-135 inch pounds. Speeds 50 and 200 RPM.

THE RESULT

Replaced Customer's current method of installing fasteners with QX tools programmed for multiple torques and speeds ensuring fasteners are installed correctly.





DEFENSE F35 WIN - 3

THE OPPORTUNITY

Engine Trailer

THE SOLUTION

Use QX Right angle tool to reduce takt time. Tool set for 145 inch pounds at 100 RPM.

THE RESULT

This took a manual operation of 4 people working 1.5 hours with over 600 revolutions of cranking to now having 2 people and raising the engine trailer in less that 10 minutes.



DEFENSE F35 WIN - 4

THE OPPORTUNITY

Canopy Tool Kit

THE SOLUTION

IR Direct Solution Center made custom kit that includes QX tool, batteries and charger as well as the sockets and extensions. Pelican case included with custom foam cut outs

THE RESULT

A cordless tool kit that is portable that mechanics can carry from plane to plane.



DEFENSE F35 WIN - 5

THE OPPORTUNITY

FOD Requirement – Foreign Object Damage or Debris

THE SOLUTION

Each tool is sent to our IR Direct Solution Center to add Loctite™ to all the fasteners on the tool, battery and charger.

THE RESULT

Tool meets all FOD specifications and can be used in any aerospace application.

