



## ASSEMBLY TOOL SOLUTIONS

# AEROSPACE INDUSTRY

Ingersoll Rand® provides solutions for your assembly needs.

### YOU NEED:

- Quality in tooling to meet your unique requirements
- Specialized fastening to join unique materials
- Ability to reach areas such as the wing or jet engine where access is a challenge
- Tools that meet the requirements for working in hazardous environments
- Precision torque accuracy

### INGERSOLL RAND DELIVERS:

- Simple, Flexible, and Capable solutions to meet your fastening needs.
- Tools that provide accuracy, control, comfort and communication
- Cordless portability in our QX Series™ tools that do the job of 8 tools with multiple configuration options, and special head adapter for custom heads to meet your fastening needs
- Optional wireless communication for data recording
- A family of tools to meet your needs including; hand drills, screwdrivers, nutrunners, DC fastening systems, pulse tools and cordless precision screwdrivers, including a CLASS 1 DIVISION 2 CERTIFICATION
- Lower cost of tool ownership



# ASSEMBLY TOOL SOLUTIONS



## QX SERIES TOOLS

- Multi-function display module
- Eight user-programmable torque/angle/speed configurations
- Closed-loop transducer control
- Compact, cordless assembly
- Lightweight, reduced-reaction, ergonomically balanced
- Safe and clean operation
- Wireless communication, Plant-wide networking
- Calibration equipment



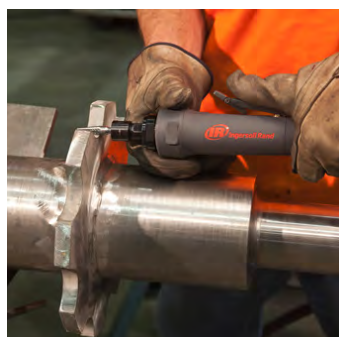
## AIR SCREWDRIVERS

- Torque range: 0.3–5.1 Nm
- Speeds: 250–2,000 rpm
- Compact and lightweight
- Coated grip for comfort
- Recommended for applications where precise torque control is required



## QA NUTRUNNERS

- Offers precise torque control in a quiet, ergonomic package
- Compact, lightweight, well-balanced design
- Low force forward reverse control
- Recommended for where precise torque control is required



## DIE GRINDERS

- Straight or right angle
- Improved efficiency means big power in a small package
- Features low noise and vibration levels and one-nut access for all motor servicing
- Pencil and turbine grinders, as well as engravers



## DC FASTENING SYSTEMS

The INsIGHTqc™ controller is different by design. This DC Fastening system is easy to use & integrate, offering advanced tightening control and a simple user experience to improve efficiency on production lines, while getting the job done right, every time.



## P33N MODULAR DRILL

Unmatched performance and flexibility for production drilling environments. From manufacturing to maintenance, the P33N is designed with the ergonomics to meet your requirements for precise drilling and reaming of high technology materials.

**COMING SOON!**  
Contact your sales representative for more details.



## RIVETERS LIGHTWEIGHT

- Accurate and easily controlled tease throttle
- Standard beehive retainer allows use of wide variety of accessories
- Built-in power regulators on A1 and B1 models
- Available with straight, pistol and gooseneck handles