ABOUT
RAD TORQUE SYSTEMS

More than 20 years of gearbox design and engineering.

As a leading Canadian manufacturer of pneumatic, battery powered and electronic pistol grip torque wrenches, our proprietary precision tools are successfully used in the oil and gas, wind energy, petrochemical, mining, aerospace and manufacturing industries around the world.

Over a decade ago, we pioneered and patented the first programmable digital torque technology enabling effortless data collection and highly precise Bluetooth calibration.

We continue to innovate and achieve the highest level of quality and performance. Our operations are designed for maximum flexibility and responsiveness, ensuring every customer receives outstanding service.

RAD Torque Systems is owned and operated by New World Technologies Inc., a company that continues to invest in and employ the latest technology to achieve the highest level of innovation, quality, and performance - which has resulted in multiple patents.
Having worked with aerospace companies for more than two decades, we understand that engineers and mechanics like you – who build and repair commercial airplanes – need the right tools to get jobs done safely and efficiently.

We work with you to design and manufacture custom high-torque wrenches, offsets, multipliers and reaction arms to solve problems and complete tasks that are unique to your industry.

Peace of mind
RAD Torque Systems’ multipliers can provide your mechanics with accurate data so they can rest assured that components are correctly installed to withstand extreme forces placed on them in flight. You rely on heavy-duty torque tools to hold an airplane’s hundreds of thousands of components together. You don’t need to worry about whether each bolt is fastened using the right torque. Let RAD take the worry out of your work.

No part out of reach
We understand that you have unique needs when it comes to building, repairing and manufacturing commercial airplanes. Many of our offsets are custom-made, so no part on an airplane is out of reach. We create models using 3D printers, so your engineers can make sure they work before we even build them!

Safety in numbers
Safety is top-of-mind in your industry. Our multipliers change settings for specific foot-pounds to quickly and accurately torque fasteners. This means your mechanics don’t have to apply manual force when installing nuts and bolts and can avoid shoulder injuries. RAD also provides aircraft manufacturers with custom reaction arms, so mechanics can do high foot-pounds without getting any kickback into their hands.

RAD reduces costs
Building and maintaining airplanes is a big business with an even bigger price tag. That’s why RAD makes tools in multiple ratios. Our multipliers allow your mechanics to achieve the correct amount of torque with several different tools. All they have to do is switch the multiplier to the next tool and calibrate it.

NEW! Now with digital torque settings.
- Now with digital torque settings, able to increase or decrease the value by 10 ft. lbs.
- Torque ranges up to 3,000 ft. lbs.
- Equipped with the latest lithium-ion technology
- Suitable for pre-torque and service jobs where electricity or compressed air are not available

With E-RAD BLU Touch Control case!
- Designed to provide a high degree of accuracy (+/- 2.8%) and repeatability (+/- 2%)
- Patented gearbox design and electric AC Servo motor
- Delivers smooth continuous torque
- The most affordable system on the market

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*Also available in a 2.5” square drive. Accuracy of +/- 2.8%, Repeatability of +/- 2%