



Sturtevant Richmont®

Torque Measurement Systems

DURABILITY IS IN OUR DNA

We've kept the world working for more than 70 years.

GLOBAL REACH. LOCAL SUPPORT.

Contact Les Watson LW@pdtools.co.uk |

www.srtorque.com

Lit -083 14819

Sturtevant Richmond tools:

THE ACCURACY, DURABILITY, AND QUALITY YOU'VE COME TO EXPECT

HOW DO YOU DEFINE DURABLE?

Sturtevant Richmond has been known for accuracy and reliability ever since Paul Sturtevant branched out on his own and incorporated The Sturtevant Company. For more than seventy (70) years we work just as hard to maintain that reputation. As customers worked with our tools they showed us how accurate and reliable our tools really are. Our customers also showed us how durable our tools are.

Manufacturing and assembly are challenging environments. Things move fast. Things get dropped. Things happen! These are real life stories of our tools. As you get to know the tools you can decide for yourself if there is durability in our DNA.

WE SET THE BAR FOR QUALITY, STANDARDS, AND COMPLIANCE IN EVERYTHING WE DO:

- ISO 9001:2008 Certified (*First Torque Tool Manufacturer to be ISO 9001*)
- ISO/IEC 17025:2005 Certified (*First Torque Tool Manufacturer to be ISO 17025*)
- A2LA Reference Lab
- A2LA Pivot Lab
- RoHS Compliant
- For years we have played an active role in ISO and establishing the standards that guide the industry.

ACCURACY. SIMPLICITY. DURABILITY.

From day one we have sought to build accurate and durable tools for industrial users. We work hard to earn that reputation each and every day.



Torque Screwdrivers

Richmont Company Founder Frank Livermont held 31 patents, 26 of which were torque tool related. In addition to patenting the first torque analyzers he also invented the limited slip clutch for tools. That clutch has been the backbone of torque tools across the industry.

All of our torque screwdrivers use that clutch. How durable is it? It is common for us to get calls from technicians that own a Cal/30 torque screwdriver. We stopped making the Cal/30 in 1972.

In addition to durability our torque screwdrivers have extremely high repeatability factors. It can be difficult at best to tighten a screw without adding down force in order to keep the bit in the slot. The ISO 17025 standard does not address the down-force that assemblers use when they tighten a screw.

When down force is added during application, many torque screwdrivers become less stable and will click at more than +/- 20% instead of the required +/- 6% that is required. Their repeatability deteriorates too.

Our torque screwdrivers become more stable and more accurate with test results showing them to have an accuracy rate lower than +/- 3%. Often times the screwdrivers test out at +/- 1% or less.



1100-Series Exacta® 2 Digital Torque Wrench

When you think of a digital torque wrench and the sophisticated electronics on board, and you consider the cost of the wrench, one quickly comes to a conclusion that it must be delicate. The industrial world is no place for anything delicate.



Some think of digital wrenches as delicate, and in many cases you are probably right. Before you pronounce the 1100 Series Exacta 2 as delicate, you must watch this video. Scan the QR code to see it now.

Optical Torque Tester (OTT)

We designed and patented the first Optical Torque Tester. This was the torque test technicians dream. The torsion bar was seated in a tube of oil that was heated and controlled. It took about 30 minutes for the OTT to warm up and be ready for work. At the time it was worth the wait because it was the most accurate and reliable torque tester on the market.

There are still OTTs out in the field. Recently we had a call from one of the European car manufacturers asking if we wanted our OTT back. After all they had bought it from us about 30 years ago. It still worked very well. It was still extremely accurate. It was replaced by one of our digital torque testers that warms up quickly and takes up less than 15% of the required floor space.

Torque Analyzers

Auto racing is a highly competitive world. Not only is it very difficult to win, there are dangers at every turn. There is no acceptable time for a tool to be out of calibration. There is no option for tool failure.

We recently met with one of the race teams and they wanted to buy new torque testing equipment from us. They had had a good experience with the torque analyzer they had bought from us. That analyzer was patented by founder Frank Livermont . that was in 1968. The analyzer was still in use every day until 2013 . That is when we delivered four new Torq-Tronics 2 digital torque testers.

The old torque analyzer had an accuracy of +/- 1% of full scale value. The new digital torque tester is +/- .5% of Indicated Value.



Exacta®

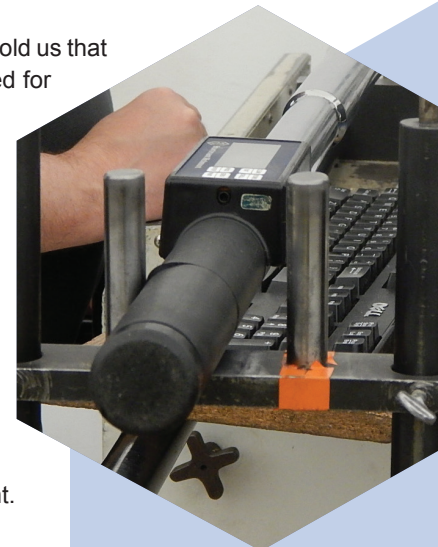
In 2006 we released the Exacta Digital Torque Wrench. It was one of our first digital wrenches in the Exacta line.

In March 2006 we built a 600 Ft. Lb. Exacta. The photos don't do it justice in terms of understanding the size and heft of the wrench. So to provide you with a point of reference think about a car that produces torque to move it. The 2014 Ford Taurus produces 184 Ft. Lbs. of torque. The 1968 Ford Mustang Cobra Jet produced 500 Ft. Lbs. of torque

In May 2014 the serial number told us that the wrench we had just received for calibration was the same one we built in March 2006. We see that wrench every year for calibration. What threw us off is that the wrench now had a new owner.

We tested it and certified it. The wrench still had the original circuit board, transducer, and radio. Eight years on the job and it still worked like new and it had all original equipment.

Think about the digital torque wrenches you are using now. How many of them still work like this one?



Beam Wrenches

From the very start we built beam wrenches. We built them to be accurate and durable. Our early designs were well liked but we kept working hard to refine the design, materials selection, and the engineering.

Why do people like these wrenches?

Operations: Ergonomics and accuracy (very hard to side load)

Quality: Like the repeatability and that they stay in calibration despite extreme handling

Finance: The same tools on the line for more than 20 years.

Purchasing: No new tools to buy.



We understand the investment you make in your tools. You need them to be accurate, dependable, error-free, and perhaps most important, you expect them to last.

WE WANT THAT FOR YOU TOO.



Sturtevant Richmont[®]

Torque Measurement Systems

**The first – and only – name for dependable, reliable,
and accurate torque products.**

**We have *the right tool*
for the *right job.***

INNOVATION IS IN OUR DNA Wireless technology revolutionized the workplace, and Sturtevant Richmont was at the forefront of innovations that helped to shape the assembly process as we know it today. While industry bloggers were predicting wireless RF tools, ***Sturtevant Richmont*** was patenting and launching them.

Sturtevant Richmont torque controllers guide workers, control hand tools, and provide the same data you get from wired systems. We're the experts in radio-equipped tools that communicate with a 21st century torque controller.

www.srtorque.com

US: 1.800-477-1347 Worldwide: 1-847/455-8677

555 Kimberly Drive, Carol Stream, IL 60188

customerservice@srtorque.com



SRTorque



2NewtonMetre



Newton Metre Channel

