



THE

HYTORC

STANDARD

SUPERIOR TECHNOLOGY. SUPERIOR QUALITY. SUPERIOR CUSTOMER SUPPORT.
THAT'S THE POWER OF HYTORC, THE GLOBAL LEADER IN
PRECISION BOLTING TOOLS AND SERVICES FOR OVER 50 YEARS.

HYTORC

A LETTER FROM OUR PRESIDENT



HYTORC is a family business focused on providing value to our customers. Before HYTORC's inception, industrial bolting was perceived as essential, but time consuming, unsafe and difficult. At that time, tooling vendors also fell short in both service and quality. Our founder, John Junkers, set out to change all of that.

Since our launch in 1968, our mission statement has remained the same: "to optimize industrial bolting through innovative solutions and an unyielding commitment to customer satisfaction."

With dedicated representatives in over 100 countries and a worldwide network of service and support, HYTORC delivers on its promise to advance industrial bolting. Through patented technologies and custom solutions we strive to reduce injuries, increase productivity and improve job quality.

As a leader in the industry, HYTORC stands apart from its followers with a simple standard to which we hold ourselves accountable: We treat our customers the way we would want to be treated. When you see the gold emblem on our equipment or on our representative's business cards, rest assured that you have a global support team behind you, 24/7/365, wherever your work takes you.

With 50 years of experience, HYTORC moves forward with the goal of expanding upon our mission statement and the unwavering standards which we have set for ourselves and for our customers.

We look forward to learning how HYTORC can help make your bolting work safer, faster and simpler.

A handwritten signature in black ink, appearing to read "Eric Junkers". The signature is fluid and cursive, written over a light gray circular background.

Eric Junkers,
President

HYTORC

BEING NUMBER ONE IS NO COINCIDENCE

OVER THE LAST 50 YEARS, HYTORC HAS MADE NEARLY EVERY SINGLE REVOLUTIONARY INNOVATION TO INDUSTRIAL BOLTING TORQUE WRENCH SYSTEMS. WE WOULD LIKE TO BACK THIS STATEMENT UP WITH A SHORT LIST OF OUR ACCOLADES TO PROVE ONCE AND FOR ALL WHY HYTORC IS THE MOST TRUSTED NAME IN THE INDUSTRY.

HYTORC INTRODUCED THE FIRST...

- Fully enclosed hydraulic wrench
- Double-acting piston wrench
- Limited clearance-ratcheting tool for tight applications
- Convertible tool to allow for both square-drive and narrow use
- Successful 10,000 PSI wrench system
- Use of titanium/aluminum alloy tool bodies
- Non-rigid piston design
- Accuracy assurance pawl
- Swiveling hose connectors
- Tools to meet a 3% calibrated torque accuracy standard
- ISO approved hydraulic wrench manufacturer
- True 1-year warranty with lifetime free emergency tool use

WITHIN THE LAST 10 YEARS, THE FIRST...

- Hands-free bolting systems
- Reaction-arm free bolting technology
- Multi-tool simultaneous bolting systems
- Continuous rotation hydraulic torque wrench
- FME compliant hydraulic bolting systems
- Dual-piston hydraulic torque wrench
- OSHA and ASME backed bolting training
- Safety handle system for hydraulic bolting
- Safety paddle system for pneumatic bolting

WITHIN THE LAST 5 YEARS, THE FIRST...

- Multi-award winning electric torque multiplier
- 36V battery-powered torque wrench with documentation
- Torque and Angle capable battery-powered torque wrench
- Auto-release dual pawl hydraulic torque wrench
- Fully automatic, documentation capable hydraulic pump
- Yield control bolting system with smart hydraulic pump
- Auto stop hydraulic wrench system for load-indicating bolts
- Backup washer that eliminates turning of opposing nut
- Gall-free hex nut replacement
- FRL-free digital pneumatic torque wrench



1980: HYTORC designs and patents the world's first uni-body housing for hydraulic torque tools and introduces the **HYTORC-SL line.**

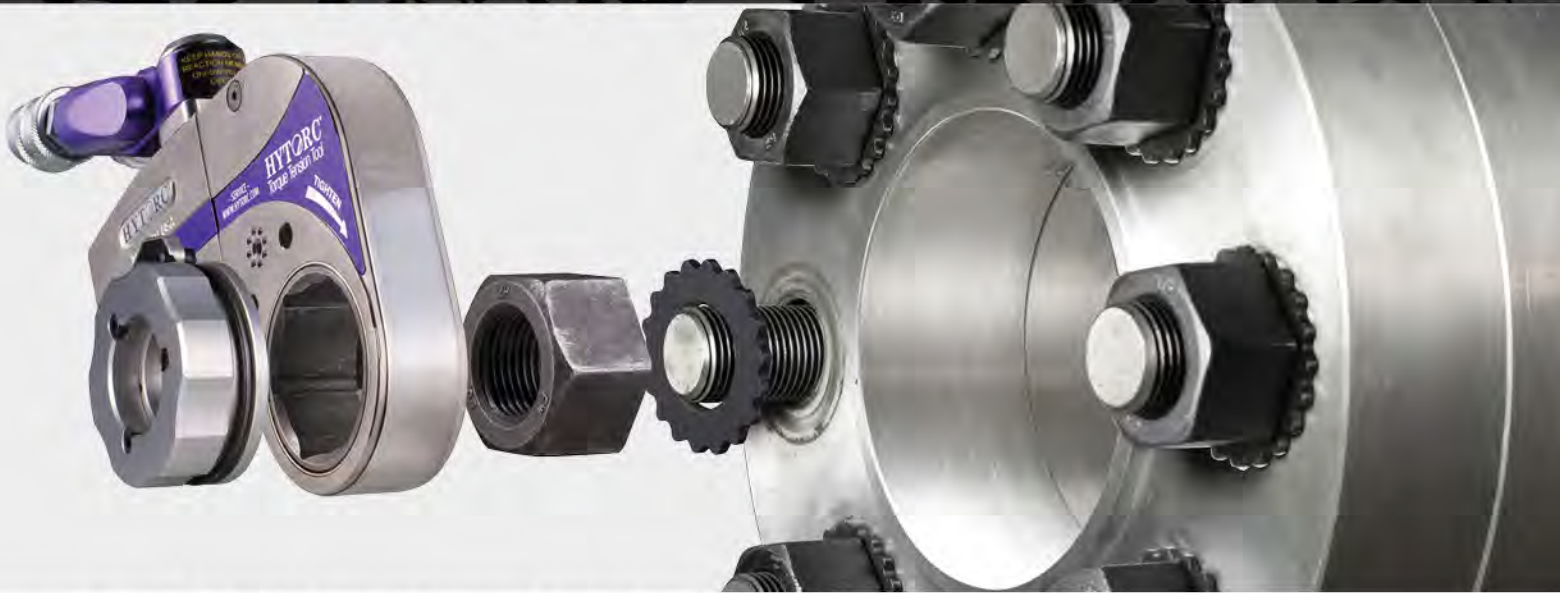
WHAT SEPARATES HYTORC FROM THE REST?

PRODUCTS	HYTORC	COMPETITORS
Reaction Arm-Free Bolting	✓	×
Hands-Free Operation	✓	×
Auto Release Holding Pawl	✓	×
Backup Wrench Free Operation	✓	×
Fully Automatic Smart Pump Technology	✓	×
Galling Eliminating Nuts	✓	×
In-Line Reaction for Improved Usability/Durability	✓	×
Pneumatic Torque Tool Safety Paddle	✓	×
Manufacturer Specific Kits for Bolting Optimization	✓	×
Total Freedom Uniswivel	✓	×
Digital Readout Pneumatic Torque Tool	✓	×
FRL-Free Pneumatic Torque Tool	✓	×
3-Moving Part and Pawl Tools	✓	×
SUPPORT	HYTORC	COMPETITORS
HY-CARE (See Page 12)	✓	×
Over 50 Years of Industrial Bolting Experience	✓	×
No Questions Asked Warranty	✓	×
OSHA/ASME Bolting Courses	✓	×
Worldwide Dedicated Salesforce	✓	×
Mobile Service Fleet for Repairs & Calibrations	✓	×
Industry Specialists	✓	×
24/7/365 Worldwide Live Support	✓	×
Dedicated Engineering Team for Custom Solutions	✓	×
Manufacturer Specific Kits for Bolting Optimization	✓	×
Fast Turnaround on Custom Accessories	✓	×



2010: Featuring patented industry-first innovations, the **ICE**® Hydraulic Torque Wrench is the most advanced hydraulic bolting system available.

SUPERIOR TECHNOLOGY



REACTION ARM FREE EQUIPMENT

Eliminate the dangers associated with reaction arms and backup wrenches by utilizing HYTORC tools in combination with our innovative HYTORC Washer and HYTORC Nut fastener systems. Our patented fasteners increase safety, reduce job time and improve overall job quality over nearly all other bolting methods.

ENGINEERING SOLUTIONS

For the highest level of productivity improvements, HYTORC offers free engineering consultation to propose the most efficient solution for your bolting challenges. Contact us today to start on the path to increased productivity.

SMART BOLTING SOLUTIONS

HYTORC offers a variety of smart bolting solutions through our entire range of hydraulic, pneumatic, electric, and battery-powered tools. The latest systems from HYTORC offer job documentation, job profiles, and advanced bolting methods such as snug, torque and angle, and more. For further control, our Flange Manager software gives you guidance and oversight on plantwide bolting processes.

FLANGE CALCULATOR



Users can carry out quick and safe calculations across thousands of combinations of flange/gasket/fasteners. The Flange Calculator can be used on any internet-capable device and offers safe and secure online storage of joint data.

HYTORC CONNECT APP



The HYTORC Connect App enables wireless data exchange between the LITHIUM SERIES® II Electric Torque Tool and a Windows® PC. The app provides a convenient user interface to configure bolting parameters and send them to the tool. The app also serves as a repository for bolting results, receiving data from the tool in real-time or batch operation. All initial settings and tool administration can be achieved via the app.

PRODUCTIVITY ENHANCEMENT GROUP (PEG)



The Productivity Enhancement Group (PEG) is a team of over 25 business development managers, each representing a specific industry of focus such as oil and gas, wind, mining, military, nuclear, transportation, and petrochemical. The PEG's efforts are directed towards helping assist accounts where HYTORC bolting technology will provide large-scale benefits to the customer.

For example, after successful implementation of HYTORC technology on a specific project within a plant, the PEG team can provide detailed metrics showing the potential for large-scale cost and time savings if the technology were adopted for other projects. HYTORC has over 50 business managers located across 6 continents.

PARALLEL JOINT CLOSURE (SIMULTORC)



The HYTORC Simultorc Multi-Tool Hydraulic Bolting System ensures parallel joint closure, improves safety, and reduces bolting time by 50% or more. By utilizing multiple tools on a single flange, torque can be applied simultaneously with a touch of a button. Couple Simultorc with a HYTORC reaction-arm free bolting solution to maximize safety, productivity and job quality.

“FOR THE PAST 10 YEARS, EXELON TURBINE SERVICES HAS BEEN REPLACING ITS OEM LP TURBINE AND TURBINE VALVE BOLTING WITH HYTORC CLAMP NUT TECHNOLOGY. DURING THIS TIME, HYTORC HAS COME THROUGH WITH EXCEPTIONAL SUPPORT AND SERVICE THROUGHOUT IMPLEMENTATION. THE RESULT HAS BEEN SIGNIFICANTLY IMPROVED SAFETY CONDITIONS FOR THE WORKERS WITH THE ELIMINATION OF REACTION ARMS AND A 75% REDUCTION IN THE TIME REQUIRED ASSEMBLING AND DISASSEMBLING COMPONENTS. WE HAVE TEAMED UP WITH HYTORC ON SEVERAL OCCASIONS TO HELP US INNOVATE NEW TOOLING FOR CUSTOM APPLICATIONS INCLUDING PARTICIPATION IN OUR COMPANY’S INNOVATION FAIR. HYTORC HAS BEEN A GREAT PARTNER AND WE LOOK FORWARD TO FUTURE SUPPORT.”

Chris Gorka, Senior Manager
Turbine Services
Exelon Corporation







QUALITY CONTROL STANDARDS AND PROCESSES

HYTORC is dedicated to continuously improving all aspects of quality for our customers. We deliver excellence in hydraulic, pneumatic, electric, and battery-powered tools, along with the finest quality fasteners and accessories. Our sales and customer support organization is second to none in their knowledge of bolting systems. HYTORC is quality certified by institutions such as Lloyd's Register (ISO 9001 & 17025), PJLA Calibrations, Laboratory Testing Inc. and Bureau Veritas.

EXTREME MAX LOAD DESTRUCTIVE CYCLE TESTING

All of our products go through an extensive research and design phase, which includes three-dimensional stress analysis, maximum load destructive testing, and in-field evaluation. Companies such as Intertek, Stork, and Element have been instrumental in helping us obtain compliance and CE/UL certifications.

TEST DATA

HYTORC works closely with a variety of qualified, independent third party laboratories to perform functionality, vibration, noise, and performance tests on our tools, pumps, and fasteners.



CORPORATE SOCIAL RESPONSIBILITY

HYTORC is a privately owned and operated company that has always followed long-standing principles of integrity and fairness on issues such as environmental responsibility, sustainability, human rights awareness, personal conduct and ethical corporate governance.

MANUFACTURED TO THE HYTORC STANDARD

HYTORC tools and accessories are designed and assembled to ensure the highest level of quality. We are consistently improving upon existing products and developing new bolting solutions, based on the valuable feedback that we receive from you, our valued customer.



**OVER 50 YEARS OF PROVEN FIELD EXPERIENCE.
OFTEN IMITATED, BUT NEVER DUPLICATED.**

HYTORC IS THE WORLD'S OLDEST AND LARGEST MANUFACTURER OF PRECISION BOLTING TOOLS. SINCE 1968, WE HAVE MADE IT OUR MISSION TO IMPROVE THE PROCESS OF INDUSTRIAL BOLTING THROUGH BETTER BOLTING SYSTEMS. THE DEVELOPMENT OF HYTORC PRODUCTS CAN BE SUMMED UP IN ONE WORD: **INNOVATION**. WITH OVER 125 INTERNATIONAL PATENTS, HYTORC IS CONSTANTLY DEVELOPING MILESTONE INNOVATIONS, RAISING THE BAR, AND STRIVING TO IMPROVE BOLTING FOR ITS CUSTOMERS EVERY DAY AND IN EVERY INDUSTRY.

ICE® HYDRAULIC TORQUE WRENCH



MXT+™ HYDRAULIC TORQUE WRENCH



jGun® DIGITAL Single Speed PNEUMATIC TORQUE TOOL



LITHIUM SERIES® II ELECTRIC TORQUE TOOL

The Most Award-Winning
Electric Torque Multiplier



Spotlight on New Technology, 2019
Good Design, 2019
Pro Tool Innovation Award, 2019

LION GUN® ELECTRIC TORQUE TOOL



HYTORC NUT



HYTORC WASHER



NOTE: HYTORC, ICE, MXT, jGun,
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HY-CARE

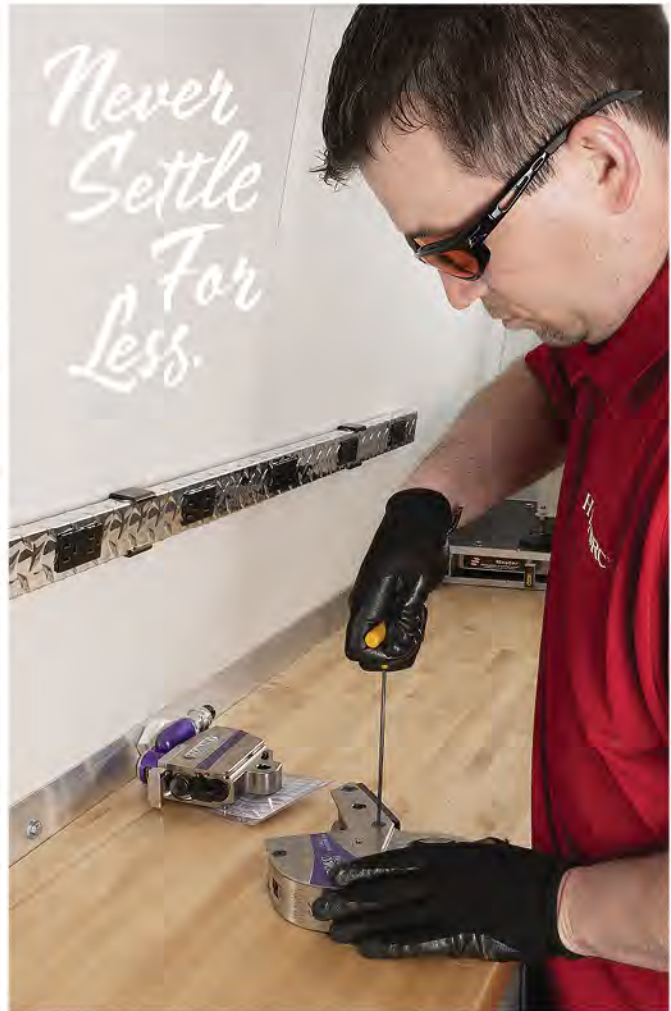
STATISTIC

ON AVERAGE, A TOOL WITH
HY-CARE LASTS UP TO
FIVE TIMES LONGER IN SERVICE.

WHAT IS HY-CARE?

HY-CARE Service Plans* provide peace of mind protection and offer a no deductible plan to protect you from unexpected bolting equipment repair costs and downtime after your standard equipment warranty expires.

The plan covers parts and labor to repair all key components for up to 5 years. Failure of covered components due to defects in materials, workmanship, or normal wear and tear are included. All repairs are performed on-site by factory trained technicians. **HY-CARE Extended Service Plan** coverage includes 24 hour loaner equipment benefits and mobile service assistance backed by our 24/7/365 live support throughout entire term.



HYTORC
HY-CARE SERVICE PLANS

HY-CARE PREMIUM

HY-CARE PLUS

HY-CARE

WHAT ARE THE BENEFITS OF HY-CARE?

- Access to our 24/7/365 worldwide live support
- Greater tooling reliability that leads to:
 - Safer jobsite
 - Better joint integrity
 - Faster joint assembly
- Faster repair turnarounds with mobile service and free loaner tool program
- Maximum trade-in value
- Greater visibility on tooling service
- history through our HY-CARE Service Portal and inventory management system

*May not be available in all locations.

Please visit hytorc.com/hy-care or contact your local HYTORC representative for more information.



From individual tools to customized bolting systems, HYTORC has the largest stock of rental equipment in the industry, strategically located at service centers around the globe. Our experienced representatives will work with you to determine the most cost-effective solution for your job.

- Rent only the equipment you need on a daily, weekly or monthly basis
- Complimentary safety and operational training with all rentals
- Worldwide availability of all bolting systems
- Improve safety, speed, and accuracy with custom tool kit rentals
- Tool containers for large jobs are available for monthly rentals
- All rental equipment is inspected and re-certified before its next rental

TESTIMONIAL

"HAVING LOCAL HYTORC SUPPORT IS A BENEFIT FOR THE TOOL CENTER. THE LOCAL SUPPORT IS ESPECIALLY HELPFUL FOR CALIBRATIONS AND REPAIRS THAT ARE NEEDED TO BE DONE IMMEDIATELY. THE QUALITY OF THE WORK THAT IS DONE AT YOUR SHOP MEETS THE GE STANDARDS. I HAVE GOTTEN FEEDBACK FROM FIELD TECHS AS WELL SAYING YOU HAVE BEEN HELPFUL WITH SUPPORTING THEM WITH HYTORC NEEDS AS WELL. THANKS FOR ALL YOU DO FOR THE TOOL CENTER."

Vito Fortino
GE Renewables
Onshore Wind

HYTORC BOLTING INSTITUTE (HBI)



HYTORC has a goal to educate all those engaged in industrial bolting in the principles and practices that significantly improve safety, quality, and efficiency of bolting operations. We regularly conduct training classes that are designed for a variety of job functions ranging from operators and technicians to managers and engineers. Classes range from a few hours to a few days and can be customized to meet your schedule and specific application focus. In most cases we bring the class to you in order to make training as convenient and economical as possible. HBI offers free courses in Bolting Basics and Basic Operation and Safety, as well as formal fee-based training with certificates from ASME* and OSHA*.

Contact any of our trainers for information about HBI training or contact customer service to place an order.

*ASME and OSHA are registered and used with permission.

THE HYTORC UNIVERSE IS MADE UP OF OVER
1,000 TRAINED BOLTING SPECIALISTS TO SUPPORT
YOUR BOLTING NEEDS IN OVER 100 COUNTRIES.

HBI COURSES AND CERTIFICATIONS



HYTORC offers various levels of training from free on-site and web-based training to OSHA-certified and ASME-approved bolting courses. Well-trained tool operators are not only safer, but have been proven to get the job done faster and more accurately than an untrained counterpart. Many companies are now requiring the completion of certain levels of training for tool operators before they are permitted to work on the job. Whether it's a simple on-site training on safe and proper tool handling or a comprehensive classroom training, HYTORC is your partner for improving productivity.

Learn more about HBI at hytorc.com/bolting-institute.

MISSION STATEMENT



OUR MISSION IS TO OPTIMIZE SAFETY, QUALITY AND SCHEDULE IN INDUSTRIAL BOLTING THROUGH INNOVATIVE SOLUTIONS AND AN UNYIELDING COMMITMENT TO WORLD CLASS CUSTOMER SERVICE.

WITH OVER 50 YEARS OF EXPERIENCE FOCUSED ENTIRELY ON DEVELOPING THE HIGHEST QUALITY INDUSTRIAL BOLTING SYSTEMS, HYTORC IS THE MOST TRUSTED NAME IN THE INDUSTRY.

HYTORC





THE
HYTORC
STANDARD

Your Partner for Productivity Enhancement

- Worldwide support and service from certified personnel
- Innovative bolting solutions and engineering consultation
- Guaranteed improvements in safety, speed and accuracy
- OSHA and ASME accredited training programs

The HYTORC Exclusive 12-Month, 12-Word Guarantee:
"YOU BREAK IT UNDER NORMAL USE - WE FIX IT FREE OF CHARGE."

At HYTORC, the word, "misuse" is not part of our vocabulary. Our Worldwide Warranty covers the repair or replacement of any new tool for one year. If your repair cannot be done onsite, HYTORC will provide a loaner tool free of charge during the repair period.

Superior Technology. Superior Quality. Superior Customer Support. That's the power of HYTORC, the global leader in precision bolting tools and services for over 50 years.

STAY CONNECTED WITH HYTORC ON SOCIAL MEDIA TO BE THE FIRST TO HEAR ABOUT OUR LATEST INNOVATIONS AS THEY ARE UNVEILED.



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