

USABILITY IN MODERN ELECTRIC BOLTING TOOLS

"Usability" refers to the ease of use of a product. In electric bolting tools, features such as a well-designed user interface and intuitive menu structure can simplify the workflow and learning curve while providing a seamless experience, allowing users to accomplish their tasks more efficiently. As electric torque tools grow in sophistication and complexity, usability plays an increasingly important role. After all, the advancements these tools provide in quality, safety and performance are of little use if they are too complicated or unwieldy to be used effectively in the field.

Historically, usability was given less consideration primarily due to limitations on processing power and memory when it came to bolting tools. However, recent advancements in software capabilities and user interface design enables feature-rich products such as the LITHIUM SERIES II Electric Torque Tool from HYTORC, which delivers unmatched control and usability.



User Interface



A well-designed user interface must be understandable and simple to navigate, while allowing users to successfully achieve their objective. It must be able to communicate useful information simply and clearly to prevent misunderstanding and human errors.

The LITHIUM SERIES II Electric Torque Tool by HYTORC has an intuitive graphical user interface and Home Screen that clearly presents key operational information such as torque units, rotation direction, tighten and release angle and user access level. The information is presented on a large, easy-to-read, high-resolution color display for enhanced visual clarity. The user interface visually indicates the result of each bolting operation, while an optional Beeper provides audible feedback. The user interface has a 3-pushbutton control, allowing the user to easily navigate the menu and set bolting parameters.

(Continued on the following page.)

Menu Structure

As electric tools become more complex and offer an ever-increasing number of features, a navigable and intuitive menu structure is critical in order to efficiently access these functions and ensure the tool is simple to use. The LITHIUM SERIES II Tool's menu structure has been designed with the user in mind, with each function and setting option logically nested in the appropriate menu so the user can easily and intuitively access each desired feature. Frequently used functions are located towards the top of the menu, making them more easily accessible by reducing the number of button-pushes required to reach them. Users can even create their own customized "shortcut" menu according to their personal preferences or the requirements of a particular job.










Menu Icons



Icons are simple, comprehensible, pictographic symbols that assist in understanding and identifying a particular function, tool or menu item. Icons are often an important part of a graphical user interface, allowing users to navigate various options "at a glance". The LITHIUM SERIES II Tool menu assigns a unique pictorial icon to each of the most important and commonly used functions and settings. An intuitive and well-designed system of pictorial icons is also helpful in assisting non-English reading users to navigate through the tool's interface.

User Access Levels

Given the ever-increasing sophistication and number of features on electric torque tools, several industries have expressed a desire to limit the availability of certain features. The LITHIUM SERIES II Tool features multiple password-protected User Access Levels, allowing the tool administrator to control and limit access to the various features and menu items. A special 'Flex User' access level allows the Administrator to tailor the available features of the tool as required on the job. By disabling functions that are not required for a particular job or project, the Administrator can prevent accidental misuse and deploy the tool to the user with confidence in improved safety and quality.

	Access Level
	L1: Job User
	L2: Flex User
	L3: Full User
	L4: Admin
	L5: Service
	
	
	

(Continued on the following page.)

Ergonomics

Electric bolting tools can now generate greater torque than ever. However, this increase in torque capacity require larger, heavier gearboxes which can make the tool more cumbersome and difficult to handle. This makes it more important than ever the tool is ergonomically designed keeping in mind the needs of the day-to-day user.

Drawing on years of experience in the bolting industry, HYTORC engineers have designed the LITHIUM SERIES II Tool to provide unmatched control and ergonomic usability.

- The contoured pistol grip handle provides a natural and strong grip for greater control.
- The animated High-resolution Display allows the operator to watch the screen while completing bolting operations.
- The built-in Work Light improves visibility of the working area, improving safety and productivity.
- A status indicator LED and Beeper helps guide the user during bolting operations.
- The conveniently located sliding Direction Switch allows the operator to quickly switch drive direction.
- A detachable Side Handle can be installed on either side of the tool for greater control
- The built-in Eyelet allows the operator to attach a lanyard for drop protection



WITH HYTORC'S INNOVATIONS IN QUALITY, SAFETY, PRODUCTIVITY, AND PERFORMANCE, THE LITHIUM SERIES II TOOL LEADS THE WAY IN BRINGING UNSURPASSED USABILITY TO BOLTING TECHNOLOGY.

HYTORC

Headquarters:
333 Route 17 N., Mahwah, NJ 07430
+1-201-512-9500

Phone:
1-800-FOR-HYTORC

Email:
info@hytorc.com

Online:
hytorc.com/contact-us