EC&M POWER TOOLS
Product of the Year
2021 Category Winner

T3 Advantage

THE BURNDY® PATRIOT® T3 LINE OF TOOLS

Ever since BURNDY® introduced the original crimp connectors for large industrial connections nearly 100 years ago, the company has remained focused on driving innovation and honoring the sciences.

The BURNDY® PATRIOT® T3 series represents the culmination of this focus, bringing many new features to users that enhance and improve crimping in industrial applications. T3 Technology, introduced in this new platform, enables tools to *Track, Trace, and Transmit* information about their usage and crimp quality. This data provides contractors and utilities a new level of confidence that their tool is performing to specification and it enhances the application of the BURNDY® Engineered System.

TRACK

TRACE

TRANSMIT

T3 LINE OF TOOLS: PAT750T3, PAT444ST3, AND PAT46T3

Advantage TRACK

The PATRIOT® T3 represents the first battery powered tool of its kind with onboard GPS to identify crimp locations, unassisted by external phones or devices. Each time the user makes a crimp, the tool records where and when that crimp occurred and verifies that the required output force was achieved. This intelligence feature provides an unprecedented level of confidence and functionality, unmatched by any other device.

Without this ability to "track" the location of crimps, simply recording the number and quality of crimps seems limited by comparison. When reviewing the crimp history of a tool, what use is it to know that the 1924th crimp was low pressure? Now, with location tracking, users can locate within about 2.5 meters, where this potentially incomplete crimp is located. Knowing where to look is the first step in keeping inspections and repairs focused and efficient.

There is significant value in being able to map the locations of crimps, even if the tool never has any incomplete crimps. By viewing the crimp locations on the T3 app or website, the user can easily observe all projects. Grounding grids can be represented instantly and the construction progress of power distribution lines, monitored remotely.

Some users don't want to look at a map to know where a crimp occurred, they would rather look directly at the crimp history to understand what jobsite each crimp was performed on. **The website will convert the latitude and longitude coordinates of each crimp to an approximate address.** This means while scanning through the list of crimps, it is clear what crimps were performed on what jobsite, without any manual entry.

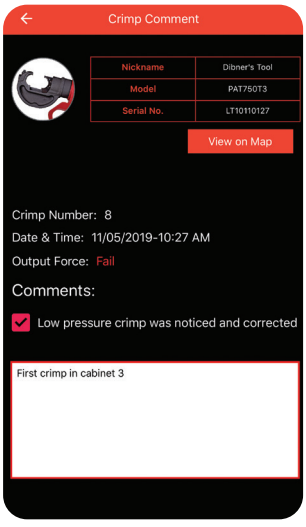
The onboard GPS module manages all geolocating efforts, which makes using this feature a seamless transition from typical battery tools. This has several advantages compared to a system dependent on a phone. Tracking systems that rely on a phone's location, record exactly that, the phone's location. Unless the phone is always next to the tool, crimp locations would be inaccurate, and it would be additionally cumbersome if one phone was responsible for connecting to multiple tools on a work site. T3 Tech avoids these issues by being a standalone solution.

Advantage TRACE

The PATRIOT® T3 offers unique traceability features to help users manage their work and generate quick, clear, and concise reports for record keeping or inspections.

T3 Technology can "trace" connections by recording comments for each crimp in its history, a first for any similar tool. Users can enter remarks, through either the phone app or website, for use in reports, such as specifying which enclosure was being worked in or indicating when the tool was lent to another party. Additionally, crimps can quickly be flagged as incomplete and caught during installation. This puts inspectors at ease by documenting that a questionable crimp was noticed and corrected.

In addition to text comments, images of and related to each crimp can be uploaded in the tool's history and used to show the location of a crimp more quickly and accurately. For example, a picture of the ID tag on an enclosure will record its location much faster than typing it as a comment. Images are valuable assets for generating a comprehensive record of each crimp performed and demonstrating that all were made in good working order. Another possibility would be to take and store a picture of a safety checklist at the start of a job. **Every job is unique, and the ability to store images allows the user to always make sure everything that needs to be recorded can be.**



The website also grants power users the ability to set up a network of accounts to make maintaining this data as easy as possible. Tool Crib Supervisors are often responsible for many tools. Connecting to each tool to download data may be a cumbersome and time-consuming process. Instead, they could choose to provide the tool's users with their own linked accounts, making it secure and easy for one tool to be shared throughout a company.

A notification system makes it easy to keep up with preventative maintenance. Users will be notified on the app or website once a tool approaches a recommended cycle count. This will alert the owner it is time for the tool to be serviced or calibrated. The notifications provide peace of mind that the tools are operating as they should.

The powerful reporting features on the website allow you to create reports with the detail you want to see, such as: listing out every single crimp with their information, comments, and images; creating summaries highlighting only commented crimps to view trends in the data; or exporting the crimp history to a .CSV file for users to directly run reports as needed.

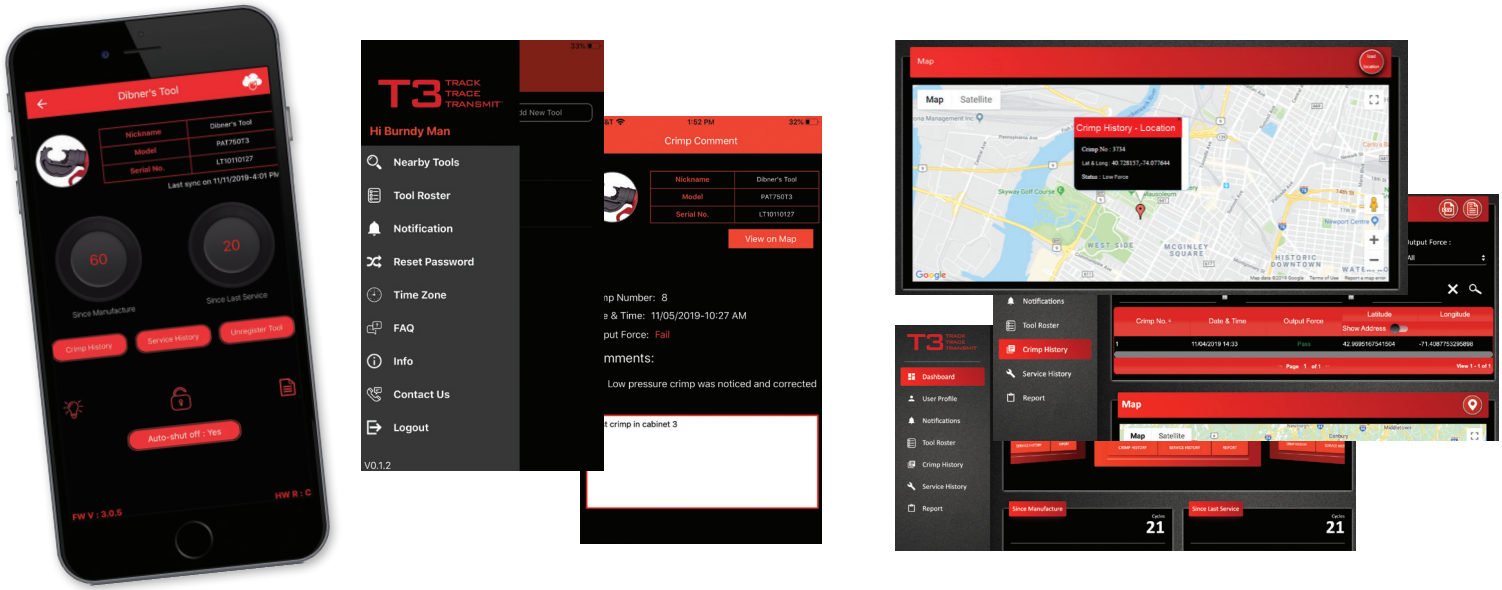
Advantage TRANSMIT

T3 Technology utilizes BLE v5.0 (rated 100m unobstructed) to connect to the user's mobile device, which makes "transmitting" data from the tool, to the website, a quick and easy process. Once a battery is plugged into a tool and the motor is run, the tool automatically enables the Bluetooth connectivity.

On the app, a list of nearby devices makes it easy to connect to registered tools. The list may be filtered to show only tools registered to your account, so connections are quick. Also, each tool can be given a custom nick name, making it simple to identify the tool a user wants to connect to. Once connected, the crimp history can be viewed, with comments and images loaded directly on the app. When everything looks good, a quick sync sends that crimp data to the cloud where it is accessible from the website to generate reports or maps. By triggering the sync, data can be uploaded to the cloud using a wireless network or over Wi-Fi.

The tool will remain "open" to making connections for 12 hours after the motor was last run. For example, if a tool gets left behind at a worksite, the user can go back, establish a connection, and remotely trigger the bright LED light on the tool to help them find it as quickly as possible.

Connect with T3



Advantage TRUSTED FEATURES

Even if you have no desire to utilize T3 Technology right now, this new tool incorporates several improvements besides the new tech. The tool will record its usage statistics on its own, so you could always choose to use the tech features later. In the meantime, there are many other benefits to trying a T3 tool.

Light It Up

The bright LED light illuminates the work area, making it easier to crimp connections in low light locations. This light can also be triggered remotely when connected to the tool over Bluetooth, making it easy to identify or locate any tool left behind at a dark worksite.

The red/green indicator light, facing the user, validates output force for a successful crimp. A green light confirms that the tool reached required pressure and is operating correctly. A red light warns that the crimp may have been backed off too soon or could show that the tool is damaged or out of calibration. This instant verification is a great feature to recognize installation issues, helping keep you productive throughout the job.

Auto-Stop

When working in a noisy area, it is sometimes challenging to hear or feel the usual “pop” of a completed crimp. If focused on the connector, the user may not look at the verification light either. In these cases, the T3 tool can be set to automatically stop the motor once a crimp is complete, ensuring the tool reached full force, and eliminate any concerns about over-crimping.

Ergonomic Revamp

Perhaps most important of the new features is an ergonomic revamp of the tool body. BURNDY® worked with a Certified Professional Ergonomist to analyze how we could improve upon our current platform. The new T3 tool boasts an improved handle and center of mass to make the tool easier to grip and balance. Additionally, we’ve modified the trigger guard to allow users with larger hands or large insulated rubber gloves to hold the tool more comfortably.

A truly ergonomic tool reduces lost time injuries and allows workers to get jobs done quicker, with less strain. When combined with the rapid-advance technology already present in BURNDY® tools, you’ll be comfortably holding the tool for a short time. This minimizes issues caused from static holding or repetitive motion, keeping workers in top condition throughout the day.

Compliance

If you use the BURNDY® Engineered System (tools, dies and connectors), then user error is the primary variable which may lead to incomplete connections. T3 Tech mitigates user error by validating each crimp on the spot. The traceability of each crimp’s status and location allows a new level of confidence that is unmatched with any other combination of products on the market today.

We encourage you to contact your local BURNDY® sales rep or customer service if you have any questions about how the new BURNDY® PATRIOT® T3 series can help you to be more productive and confident in your connections.