



Greenworks Revolutionizes Morristown (TN) with First Ever Commercial Center of Excellence for Manufacturing and Engineering in North America

MOORESVILLE, N.C. – January 19, 2023 – Greenworks Commercial, the leading provider of lithium-ion battery-operated, zero-emission outdoor power equipment, expanded its global footprint by opening the doors to its 180,000-square-foot Commercial Center of Excellence manufacturing and engineering facility in Morristown, TN, the first in North America.

“I’m extremely proud that Greenworks chose Morristown/Hamblen County for its newest manufacturing plant,” said Mayor Bill Britain, Hamblen County. “Greenworks brings new technology and job opportunities to our community. I wish the company well and am committed to its success.”

The \$25 million initial investment facility will manufacture commercial and residential lithium-ion battery ride-on mowers in its beginning stage. This brilliant facility will bring more than 150 sustainable, high-tech careers to East Tennessee by the end of 2023 and up to 400 more promising career opportunities by 2025, creating an innovative, technological foundation for generations to come. The initial phase provides an annual production capacity of 30,000 ride-on mowers which will gradually increase to 80,000 by 2025.

“It’s hard to find the right words to express just how pleased I am to have Greenworks select Morristown as its location for growing their company’s goals,” said Mayor Gary Chesney, City of Morristown. “Greenworks’ history of meeting today’s consumer needs while exploring how new equipment will meet future trends is a particularly unique fit for Morristown’s industrial base. I’m proud to say, ‘Welcome Greenworks.’”

The state-of-the-art facility currently houses:

- Two leading-edge automated guided vehicle (AGV) based assembly lines
- A fully robotic vehicle chassis welding center and five fully robotic welding stations
- High-precision tube and sheet metal laser cutting, stamping and CNC tube-bending equipment
- A shot-blasting metal preparation center and powder-coating line
- State-of-the-art final inspection station including a light tunnel for visual inspection
- An exterior bumper and track test facility

Future expansions, planned for late 2023 and early 2024, will include:

- Installation of an e-coating workshop and an injection molding center
- Advanced automatic assembly lines for large commercial grade 8kWh, 18kWh and 24kWh battery modules for ride-on mowers and battery packs for its commercial handheld and walk-behind product lines
- Manufacturing of commercial walk-behind mowers
- Service parts warehouse

The Morristown facility is also the North American Center for Advanced Vehicle Engineering within the Greenworks group, with more than 12 mechanical, electrical and testing engineers calling Morristown home at the end of 2023. The U.S. engineering teams collaborate with its main R&D campus in Changzhou, China, and its Autonomous and Robotics R&D Center in Jönköping, Sweden.

“It is always a pleasure to welcome an expanding new industry to our community, and Greenworks is no exception. We are fortunate to have a manufacturer replace a major company that provided jobs for our citizens for the last 50-plus years in the East Tennessee Valley Industrial District,” said R. Jack Fishman, industrial development board chairman. “Greenworks technology not only brings another major diversification of industrial skills but also a production of products that will help our city and improve climate changes. The jobs they bring to the Lakeway Area are significant, and the dollars they will also bring to our tax base is important in continuing to make Morristown and Hamblen County a great place to live and make a living.”

This world-class facility is the embarkment of a groundbreaking journey for Morristown. With a mission to facilitate the world’s transition to sustainable energy through its innovative products for people’s daily lives, a life powered by Greenworks creates a clean beginning.

“TVA and Morristown Utilities congratulate Greenworks on its decision to establish operations in Morristown,” said John Bradley, TVA senior vice president of Economic Development. “Helping to attract jobs and investment to the region is fundamental to TVA’s mission of service. We are proud to partner with the Morristown Area Chamber of Commerce to help further that mission and celebrate this announcement together.”

The Greenworks Center of Excellence will be part of a 7,000+ global workforce, with 10 global manufacturing sites, four global R&D centers with more than 750 engineers, 130 finished goods production lines and a 1.5-million-unit manufacturing output per month.

Greenworks Group currently produces more than 20,000 batteries, 30,000 motors and 100,000 PCBAs per day using the most advanced manufacturing equipment. With more than 80% vertical integration, one of the highest in the industry, Greenworks brings innovative and industry-leading designs to the market with short development times and cost-effective manufacturing.

The Greenworks Commercial Center of Excellence is home to the most technologically advanced commercial zero-turn mower in the industry: OptimusZ™. This compelling machine is the epitome of productivity, mowing more than 21 acres on a single charge. With up to eight hours of run time, the OptimusZ™ is the fastest, most powerful, and most capable commercial ride-on mower in its class, with a top cut speed of 16 MPH while maintaining a 19K constant blade tip speed cutting through any grass conditions.

With a lower total cost of ownership compared to conventional gas-powered zero-turn mowers, made possible through zero fuel cost and a 2,000-hour guaranteed maintenance-free design, it can save landscapers more than \$13,200 over the first three years. A complete range of more than eight OptimusZ™ models was launched during the Equip Expo show in Louisville, KY, in October 2022.

Later in 2023, Greenworks Commercial will start manufacturing its fully autonomous, self-driving commercial ride-on mower, OptimusAI™, in Morristown. This innovative ride-on mower, based on the OptimusZ™ platform design, features sophisticated GPS-RTK navigation and vision-based live-object avoidance technology, allowing both self-driving and manned driving modes. In its self-driving mode, the system operates with an accuracy of one inch.

Greenworks Commercial recently launched a revolutionary mobile charging trailer, OptimusMC™, set to transform the entire landscaping industry while clearing the way for rapid electrification and making highly polluting fossil fuel outdoor power equipment a relic of the past. The 20-foot OptimusMC™ trailer features a 26kWh built-in lithium-ion battery that keeps products in the trailer charged all day. Greenworks Commercial ride-on mowers and batteries automatically charge while in the trailer overnight and in transit.

The trailer features three EV-style 6kW chargers capable of charging three Greenworks ride-on mowers, inside or outside, alongside 18 fully temperature-controlled battery ports, capable of charging handheld batteries at up to 10A each, along with four additional 20A 110V AC outlets for additional power needs. The entire trailer can be charged overnight through a single Level II EV charger or through its roof-mounted 3kW solar panels. OptimusMC™ comes complete with sophisticated integrated tool storage solutions, 4G/GPS theft protection, trailer vitals monitoring system and IoT connectivity, allowing commercial landscapers full command.

Intelligent Power™ is embedded in nearly every Greenworks product it produces. By combining the best-in-class battery and brushless motor technology, managed by intelligent control systems as well as onboard, cloud-based IoT interfaces, Greenworks can create superior power, extended run times and smarter equipment than any other battery-powered or gas-powered product in the industry while providing better overall user and service experience, all with ZERO emissions. Intelligent Power™ provides Greenworks' customers an overall advantage in the landscaping industry, referring to this as Productivity. Powered. By Greenworks Commercial™.

Charging the industry since 2002 by only producing products powered by lithium-ion battery technology, Greenworks has continued to push the boundaries of batteries for the greater good. Manufacturing sustainable products such as the OptimusZ™ product line and the mobile charging trailer, OptimusMC™, these lean green, eco-friendly machines not only aid the environment but create profitability for end users creating a better LIFE. POWERED. BY GREENWORKS™.

For more information, visit <https://commercial.greenworkstools.com/>