Welcome to Taylor-Winfield Technologies, a world leader in the design and manufacture of material joining equipment and systems with a legacy of over 100 years. As an original equipment manufacturer with full engineering, assembly, wiring, testing and field service capabilities, our primary focus is material joining and related technologies.

T-W’s diversified product lines are designed to help customers compete in the global marketplace.

T-W’s Material Joining Solutions include:
- COIL JOINING
- AUTOMATED ASSEMBLY SYSTEMS
- RESISTANCE WELDING
- INDUCTION HEATING
- ARC WELDING SYSTEMS
- LASER WELDING SYSTEMS
TOMORROW’S TECHNOLOGY TODAY!

Taylor-Winfield’s “Team of Experts” include electrical, mechanical, control and software engineers with experience in application review, material analysis, process concept and development.

Whether providing a standard machine, designing an engineered single machine solution, or complex fully integrated multi-station system, T-W combines diverse technologies to solve even the most complex manufacturing problems.

WE TAKE A CONCEPT FROM DESIGN...

Through engineering...

Assembly...

...and testing.

Custom Engineered Solutions

Incorporating thermal and fusion processes with material handling and machine design capabilities create a comprehensive solution to customer part and assembly automation needs. Integrating development, design, 3-D modeling and process validation capabilities enables T-W to help customers reduce costs, improve quality, meet production goals and compete in today’s fast-paced, ever-changing marketplace.
Experimental work, small production runs, and processing of samples are all conducted in T-W’s laboratory. T-W’s laboratory is equipped with over 40 machines dedicated for the development and validation of new and/or improved processes to help customers increase part quality, reduce production costs and compete more effectively in their markets.

Laboratory Research & Development

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Over 125,000 sq. ft. (11,600 sq. meters) of manufacturing space and engineering & corporate offices. Plus worldwide sales, service & machine support!

Field Service & Support

On-Site Field Service
T-W's qualified technicians have mechanical, electrical and programming skills that enable them to supervise and/or perform on-site machine evaluations, repairs and upgrades. If a machine is down, T-W can provide timely and cost-effective service at your location.

Machine Upgrades & Rebuilds
T-W will evaluate machine operations and recommend upgrades to improve performance. Comprehensive machine rebuild services bring existing machines back to like-new condition.

Spare Parts & Copper Products
T-W is your single source for machine replacement parts, consumable copper parts, induction heating coils and peripheral items such as water chillers, weld testers, weld monitors, transformers and replacement controls.

T-W offers a complete line of Copper Products for resistance, Induction and other machines requiring replacement copper parts. Many items are in stock with same day shipping available.
T-W's coil joining welders perform in processing lines throughout the world joining ferrous and non-ferrous metals.

Building on over a century of coil joining experience, today our machines include advanced control systems and weld monitoring feedback features that link to SPC/SQC systems, enabling our machines to meet the demands of the world's most modern processing lines.

T-W's patented TwinLap welder, the most modern seam welder available today, can join full-hard automotive grade materials in a single pass with near "0" joint overthickness and minimal machine cycle time.

T-W has the solution to your coil joining needs and more. Choose from our complete line of welding machines, many of which are customized for unique customer requirements.
ARC welding systems incorporating part handling, pick-and-place systems, dial feed and other material handling solutions to automate the joining process. Plasma, TIG and MIG welding systems are designed for unique customer requirements from a single station solution to complex material handling and robotic welding systems.

T-W's induction heating product line includes a full range of power supplies, from traditional oscillator tube type high frequency, Mosfet technology with remote or local output, IGBT technology for high power applications to solid state thyristor control generators. Power ranges from 1 KW to 1000 KW and operating frequency ranges of 60 Hz to 8 MHz. For customized applications, the frequency load requirement is calculated using frequency modeling. The generator is then sized to match the frequency demand for the application.

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AUTOMATED ASSEMBLY

T-W incorporates all our core thermal and fusion technologies to design a complete system to fit a customer’s unique manufacturing requirements. T-W designs and engineers simple to complex assembly systems for the aerospace, appliance, automotive, defense, electronics, medical, mining, small appliance, transportation and many other industries.

RESISTANCE WELDING

T-W is one of the original developers of the resistance welding process and has been the standard in resistance welders since the early 1920’s. Whether the requirements are spot, seam, projection, flash or other resistance welding processes utilizing AC, DC or Mid Frequency DC inverter welding controls; we have a machine that will meet your requirements.

T-W has a full line of standard machines and can offer special machines engineered for unique applications.
Since 1882, the Taylor-Winfield name has been found on production machines and processing lines in manufacturing facilities throughout the world. As Taylor-Winfield Technologies, we are dedicated to bringing advanced manufacturing technologies and processes to our customers to enable them to compete in today’s ever changing markets.

You can count on Taylor-Winfield Technologies for experience, quality craftsmanship, and innovative engineering solutions that produce the most sought-after material joining machines and systems in the capital equipment manufacturing industry. By providing simple to complex material joining machines, part production and assembly systems with on-going field service and replacement parts support, Taylor-Winfield remains the company customers can trust into the future.