

MATERIAL JOINING SOLUTIONS Technologies, Inc. NNOVATION PLACE Taylor Winfield elcome to Taylor-Winfield Technologies, a world leader Blake W. Rhein Frank L. Deley in the design and manufacture of material joining equipment Sales & Marketing 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!

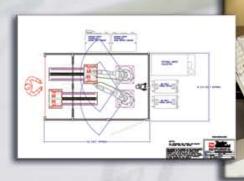
Taylor-Winfield's "Team of Experts" include electrical, mechanical, control and software engineers with experience in application review, material analysis, process concept and development.

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...



WE TAKE A CONCELL TROM DESIGN..







ASSEMBLY...

Custom Engineered Solutions

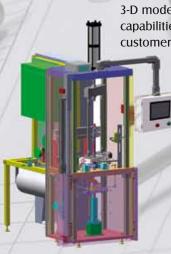
Incorporating thermal and fusion processes with material handling and machine design capabilities create a comprehensive solution to customer part and assembly automation needs. Integrating development, design,

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.



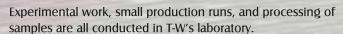
...AND TESTING.





LABORATORY RESEARCH & DEVELOPMENT

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.











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.













Technologies, Inc.

INDUCTION HEATING

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.



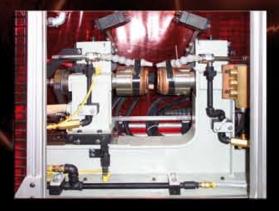




For customized applications, the frequency load requirement is calculated using frequency modeling. The generator is then sized to match the frequency demand for the application.

ARC WELDING SYSTEMS

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.







Mill Process Equipment Automated Assembly
Innovator of World-Class
Material Joining Machines & Systems
Material Joining Machines & Systems



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.

Worldwide

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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.

Ceq= C+Mn/20+Si/30+Cr20+Mo/15+



Custom Engineered Solutions Technologies, Inc.

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COIL JOINING • RESISTANCE WELDING • INDUCTION HEATING • AUTOMATED ASSEMBLY • ARC WELDING SYSTEMS

Resistanc