Our automated, portable tools and software systems provide aerospace manufacturers with significant efficiencies and cost savings – from ideation to implementation.

Since 2003, MTM Robotics, has been a trusted provider of high-quality automation tools and software systems to the global aerospace and aircraft manufacturing industry. MTM Robotics collaborates with customers to develop cutting-edge technologies that address specific manufacturing needs, including improving accuracy, efficiency, and safety. What makes MTM Robotics different from other providers is the portability, modularity and affordability of our products. Our automation solutions can quickly and easily be deployed on the factory floor to provide our customers with the results they are looking for. MTM Robotics’ highly experienced leadership team, engineers, production staff, and project managers are dedicated to delivering tomorrow’s automation today.

MTM Robotics: Unsurpassed Product Modularity

Our products, the Light Flextrack (LFT) 2.7, Light Flextrack (LFT) 3.0 and Mini Flextrack (MiniFT), are fully modular systems that can be loaded with an array of end effectors for a multitude of tasks. All of MTM Robotics’ systems feature a controller, internal storage for data sets, full Ethernet and USB data connections, as well as a user-friendly touchscreen pendant and HMI. Each system module is small, light and takes only five minutes to assemble or disassemble.

Serenity Software Suite

- A collection of software services enabling complete vertical software visibility for aerospace and aircraft manufacturing environments
- Allows for the digitization and consumption of build plans as well as the control and tracking of manufacturing resources

Applications

- Fuselage
- Wings
- Horizontal Stabilizer
- Discrete Sub-Assemblies

Customers

- Boeing 747
- Boeing 787
- Airbus A320
- Airbus A330
- Stelia
- Lockheed Martin C-130
- Israel Aerospace Industries

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Core Capabilities

- Complete design, prototype, and in-house turnkey manufacturing of portable automated machine systems
- Deployment and support of networked machines and tools through United States and European offices
- Machine and system design, implementation, and deployment
- Machine control software development with intuitive human interfaces
- Factory-wide software designs and implementations for orchestration of manufacturing processes
- Development of factory-wide resource management tools, including resource reservations and positioning
- Software solutions for process and quality control, deployed on the customer’s enterprise network

Why Partner with MTM Robotics

- **Comprehensive custom solutions:** From portable factory floor tools to enterprise software solutions, we can address your manufacturing automation challenges
- **Price affordability:** Because of their portability and modular nature, our products cost less than larger, typical automation tools provided by other manufacturers
- **Unparalleled service:** Our dedicated team works with you from product concept all the way to delivery and strives to provide the best customer service to meet your specific needs
- **Quality modular products:** Our modular automation products can be easily deployed on the factory floor and provide the technical accuracy your manufacturing processes needs
- **Global reach:** We deliver our automated portable tools and software systems to aerospace and aircraft manufacturers all over the world
- **Extensive industry expertise:** Our team of engineering, technical, and project management staff offer years of combined aerospace industry experience

Complementary Products

- **Portable Automation Tools**
- **Light Flextrack 2.7**
- **Light Flextrack 3.0**

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