



**Design.
Deliver.
Repeat.**

ROBOTICS

JT Automation helps build various assembly solutions to integrate everything from manual assembly processes to fully automated operations, ensuring flexibility and efficiency. Whether you require hands-on assembly or seek advanced automation to streamline production, our solutions are expertly tailored to fit your specific requirements increasing throughput, solving labor hiccups, slashing product production waste, and boosting your numbers.



We don't cut corners, but now you can.

This system features an industrial robot with dual-vacuum tooling, handling two stainless steel subassemblies at once for faster, scratch-free transfers. It services both a JT Automation laser cutting station and a Synova LCS 800 Microcut station, enabling coordinated high-precision trimming.

Always on point, always on time.

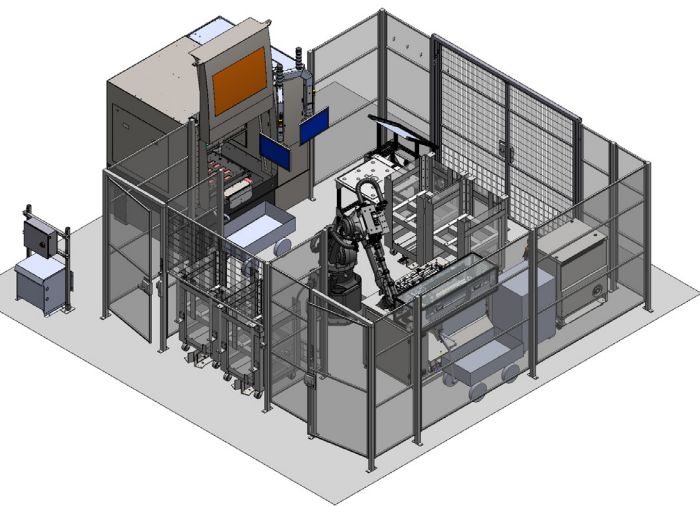
Our station features a Trumpf 1kW TruFiber laser with D70 optics and a rigid single-axis stage for repeatable cuts. The Synova station, customer-supplied, is supported with JT-built tooling for accurate restraint and uptime.

Inventory that checks itself.

Smart material flow includes three mobile pallets and two stationary WIP/quarantine pallets, each holding up to 300 subassemblies, with barcoded carts for automated inventory tracking. A Keyence vision system scans QR codes, linking with the customer's MES to verify readiness, track parts, and quarantine unusable parts.

On the clock, so you don't have to be.

An HMI provides real-time cycle data, counts, errors, and tracking. Safety-rated cell with mag-lock doors, curtains, sensors, and Class 1-compliant laser operation. Built for 72-hour autonomous operation.



Let's Talk Shop

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Consider this the short version—there's plenty more we can bring to your table. Contact us now to discuss your ideas and options.