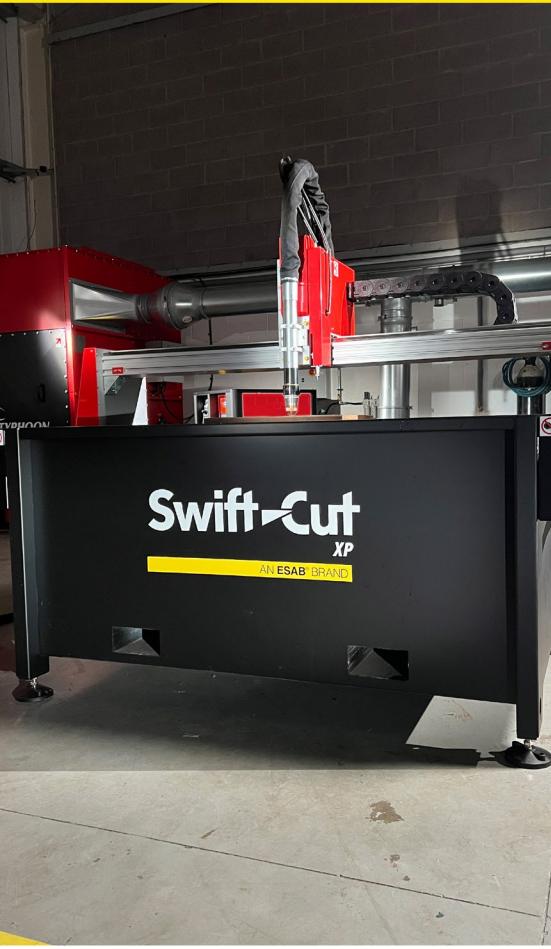




SWIFT-CUT XP SLASHES JC MADIGAN'S CUSTOM MANUFACTURING TIME BY 75%



- Swift-Cut XP reduces JC Madigan's custom manufacturing time by 75%
- The shift to automated precision cutting and simplified workflow reduces labor by 25%
- The CNC plasma cutting machine delivers consistent, high-quality results across JC Madigan's full range of truck equipment components

SITUATION:

JC Madigan, a full line equipment distribution & installation operation based in Lancaster, Massachusetts, supplies dump bodies, lift gates, and snow-removal equipment to municipalities and commercial fleets across New England. As demand grew, manual plasma cutting became a major bottleneck—slow, inconsistent, and labor-intensive. To enhance its market leadership, the company invested in the Swift-Cut XP Series CNC Plasma Table—making its first move into CNC automation and digital fabrication.

- The deployment of automated cutting has transformed fabrication efficiency—empowering operators to achieve faster, more consistent results while reducing manual effort
- The investment enabled JC Madigan to meet demand growth and reinforce market leadership

CHALLENGE:

JC Madigan's manual cutting process could no longer keep pace with production demands. Each part required multiple operations of cutting, grinding, and cleanup—adding time, cost, inconsistency and straining resources. The lack of repeatability made it difficult to maintain precision and finish quality. Without upgrading to automation, JC Madigan risked operational inefficiencies and lack of product uniformity from its custom manufacturing operations which would hamper its ability to meet customers demands. To strengthen its leadership in the New England truck equipment market and support future growth, the company needed a more efficient and scalable cutting solution that could streamline fabrication, increase output, and eliminate rework without adding labor.

SOLUTION:

To address production bottlenecks, JC Madigan visited Swift-Cut's headquarters in Plymouth, Massachusetts, for a live demonstration of the XP Series CNC Plasma Table using their part files. The machine's speed, precision, and ease of use stood out immediately.

Impressed by its performance and intuitive design, JC Madigan invested in the Swift-Cut XP510WT CNC Plasma Table, the most advanced and productive model in the lineup. The Swift-Cut team provided on-site installation, setup, and operator training, ensuring a seamless transition from manual cutting to full CNC automation. With the deployment of automated cutting, operators began producing parts faster, cleaner, and with greater accuracy from day one.

RESULTS:

The integration of the Swift-Cut XP510WT CNC Plasma Table transformed JC Madigan's fabrication operations—delivering major gains in speed, quality, and efficiency.

Key outcomes include:

- 90% reduction in custom manufacturing cycle times, significantly accelerating throughput.
- Major improvement in cut quality and precision, virtually eliminating rework and minimizing material waste.
- Smooth adoption by operators, leading to higher efficiency, accuracy, and confidence from day one.
- Minimal set up time between various materials and processes

This upgrade enabled JC Madigan to deliver higher output, superior quality, and faster turnaround, ensuring the company remains well-positioned to meet customer demand and sustain its leadership in New England's truck equipment market.



JC MADIGAN CREDITS THE SWIFT-CUT XP WITH TRANSFORMING ITS PRODUCTIVITY AND RELIABILITY ACROSS ITS CUSTOM TRUCK EQUIPMENT MANUFACTURING.

“The Swift-Cut XP has been a major boost to our productivity. As New England's leading truck equipment distributor, municipalities and commercial fleets count on us to meet deadlines—and Swift-Cut make that happen.

JC Madigan Team

“

BENEFIT #1

BOOST IN PRODUCTION SPEED AND EFFICIENCY

The Swift-Cut XP510WT increased custom fabrication speed by 75%, enabling JC Madigan to complete more work in less time and keep pace with growing demand.

BENEFIT #2

REDUCED LABOR REQUIREMENTS

By eliminating manual grinding and secondary cleanup, the system cut labor needs by 25% and freed operators to focus on higher-value tasks.



BENEFIT #4

SWIFT AND SUCCESSFUL IMPLEMENTATION

Swift-Cut's intuitive interface and hands-on training ensured a smooth transition from manual cutting to full automation.

LOOKING AHEAD/FUTURE PLANS

Building on the success of the Swift-Cut XP510WT, JC Madigan plans to continue advancing its fabrication capabilities through automation and digital technology. The company views its partnership with Swift-Cut as a key driver of efficiency and innovation—helping sustain growth, meet rising customer expectations, and strengthen its leadership in the New England truck equipment market.

BENEFIT #5

SCALABLE FOUNDATION FOR FUTURE AUTOMATION

The XP510WT positioned JC Madigan for long-term efficiency and expansion, strengthening its leadership in New England's truck equipment market, paving way for further investment in automation.



ESAB / esab.com

