

Release

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FOR IMMEDIATE RELEASE

CenterLine Issued High Speed Fastener Welding Patent

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CenterLine (Windsor) Limited (Centerline) is pleased to announce that the United States Patent and Trademark Office has issued **US Patent 9,895,775** for CenterLine's **High Speed Fastener Welding System**. This innovative production assembly equipment integrates both process and product improvements resulting in a fastener welding solution that is exceptionally suited to handling multiple applications with one machine.

According to Larry Koscielski, Vice President of Process & Technology Development - *“This development encapsulates CenterLine’s best practices and lessons learned used to overcome the challenges our customers face with production fastener welding. Our High Speed system has optimized all of the motions of the process while raising the bar on part quality, ease of maintenance and production flexibility. This system is a game changer for any manufacturer involved with fastener welding.”*



CenterLine High Speed Fastener Welding System Cell

Extensive design, development and field beta testing has resulted in a system that boasts important key benefits to customers including:

- Vast improvements in overall cycle times and comprehensive error-proofing features to optimize quality and production output.

- The capability to quickly re-configure the system for new part structures to maximize equipment flexibility and up-time. The system can also be modified and/or updated to satisfy new application conditions or completely new projects.
- The ability to disassociate the operator work from the production process cadence to remove cycle time dependency from the operator and reduce an employee's exposure to repetitive motions.

As of June 1, CenterLine has delivered over 30 of these systems to various Tier 1 facilities in North America. Some of these systems are processing over 8,000 fasteners per day. In some systems, up to 38 different parts are processed with minimal changeover.

The High Speed Fastener Welding System represents a significant evolution in CenterLine's existing industry leading technology and is consistent with CenterLine's corporate vision to “*develop, produce, and deploy innovative, cost-effective, trusted and complete solutions that enable our customers to exceed their operational, customer and profit commitments, while minimizing their risk and stress*”.

Integral components of CenterLine's High Speed Fastener Welding System include the PinPoint Solution, the Quick Fastener Placement Unit (QFP) and the SoftMount Welding Gun package(s).

To date CenterLine has been awarded over 82 patents and has numerous North American and international patents pending.

For additional details on CenterLine's High Speed Fastener Welding System or any of our other advanced automation brand products please contact our office or visit our website at www.cntrline.com or contact us at info@cntrline.com.

About CenterLine

CenterLine (headquartered in Windsor, Ontario) is a Canadian based, privately held, corporation specializing in advanced automation processes and technologies that satisfy resistance welding, metal forming and cold spray application needs. It is established internationally with manufacturing and/or support facilities situated in the USA, Mexico, Brazil, Germany, Romania, India and China which help support our customer's international operations. With over 60 years of business experience, CenterLine continues to develop technologies and processes that assist our customers in maintaining their competitive advantage.