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CenterLine Launches SoftMount™ Gun With Two Unique Configurations

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CenterLine (Windsor) Limited is proud to officially announce the launch of the SoftMount™ Gun with two unique configurations to appeal to diverse customers' needs. The SoftMount™ Gun is designed to mechanically fine adjust its position to a stamped hole to consistently projection weld a fastener. It is ideal for robot applications where part dimensions, hole locations, or tooling are slightly inconsistent.

This system is available in two configurations:

- Standard Feed Process (SFP) for nut and stud welding applications
- Inverted Feed Process (IFP) for nut welding and special applications

The SoftMount™ Gun includes a compliance feature and the entire gun design has been optimized to create the best balance between stability and ease of movement. The compliance mount assembly is set far enough from the weld plane that it does not introduce variation to the welding process itself.

According to Larry Koscielski, Vice President of Process & Technology Development –

“We strive to find simple solutions to solve our customer's problems and this is a great example. In this case we found that allowing the gun to comply and self-align provides a huge improvement in efficiency and reliability of the process”.



CenterLine SoftMount™ Gun (IFP)

Some of the standard features include:

- Patented VeriFast™ LVDT for accurate detection of fastener presence, orientation, and measurement of set down.
- Patented Quick Fastener Placement (QFP) Unit for rapid nut feed in the IFP configuration.
- C-Frame mounting style to return the gun to the initial position without external force.
- Low-impact actuator choices to achieve a wide range of welding forces.
- PedTec™ weld gun stand.
- Full leveling adjustment for reliable setup.



CenterLine SoftMount™ Gun (SFP)

The SoftMount™ Gun represents a significant evolution in CenterLine's existing industry-leading technology and is consistent with CenterLine's corporate vision to develop innovative solutions that enable our customers to exceed their operational, customer and profit commitments while minimizing their risk and stress.

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

For additional details on the SoftMount™ Gun or any of our other advanced automation configured products, visit our website at www.cntrline.com or contact us at info@cntrline.com.

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About CenterLine (Windsor) Limited

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 customers' 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.