



Patent Pending

Compact ServoWeld[™] Actuator

The CSWX delivers the highest precision, highest quality and best reliability of welding actuators in the industry.

Our latest & best generation ServoWeld actuator offers high force capability in a smaller package.

For nearly 2 decades customers have trusted ServoWeld actuators for their resistance spot welding needs.

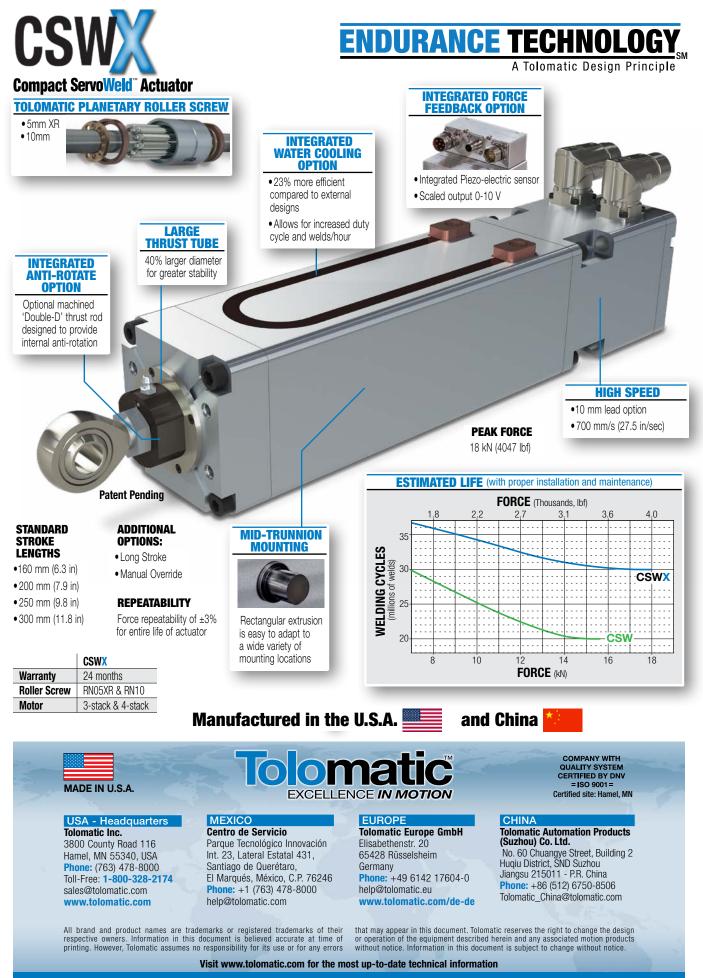


Designed with collaborative customer input, the CSWX exceeds expectations with:

Desired Improvements	Benefits of CSWX
Small Package High Power Density	 1 model can now handle 95+% of welding applications, with C, X and Pinch weld guns 18 kN (4,047 lbf) of force in a compact 90 mm frame
More Welds per Minute	 Top speed C Gun performance: up to 700 mm/sec (27.5 in/sec) Water cooling for high performance duty cycles
Manufacturing Flexibility	 Force range and speed to adapt quickly to increases in production demand Supports smallest and most powerful weld gun designs
Reliability	 Estimated life up to 30 million+ welds in typical welding applications with proper maintenance. In field serviceability with rod tip zerk fitting

	Benefits of ServoWeld and Tolomatic
Trusted Worldwide	 Validated and specified at the largest global automotive OEMs Tens of millions of vehicles manufactured with ServoWeld actuators, since 2002 Tolomatic's engineering design experience since 1954 4 Service Centers in North America, Europe and Asia
Highest Performance Resistance Spot Welding	 Superior tip dressing performance Best in class force repeatability Exceptional sensitivity during robot equalization (EQ) Unrivaled low force performance for class A surface production





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