

Servo Press



Electrically Driven. Digitally Controlled. Perfectly Welded

Servo Press is a high-precision, electrically driven servo press designed for complex plastic welding, punching, and cutting applications. Ideal for industries where cleanliness, control, and repeatability are critical.

RTUL proudly presents the next-generation Servo Plastic Welding Machine (SWP 1500) a solution for high-precision ultrasonic welding of plastic components. Powered by advanced Servo technology, the SWP 1500 integrates an electric motor with advanced control electronics, enabling precise control over position, speed, and torque. This enables servo-driven depth control, delivering highly repeatable welds with superior strength and consistency.

Engineered with integrated smart features and full digital traceability, the SWP 1500 sets a new industry benchmark. It offers unmatched accuracy and reliability, making it the ideal choice for precision-critical applications across automotive, medical, electronics, and more.

POWERHOUSE OF ULTRASONIC TECHNOLOGY®



Technical Specifications



Parameter	Details
Frequency	20 kHz
Power Output	Up to 2KW
Control System	AWC-6 Smart Controller (7" Touch)
Motor System	High Precision Servo Drive
Trigger Modes	4 Types (Time, Distance, Energy, etc.)
Weld Modes	5 Configurable Modes
Data Logging	Up to 99,999 welds + USB backup
Graph Display	Last 1,000 welds
Connectivity	USB + I/O Monitoring + RTC
Weight	Approx 80 Kg
Dimensions	800mm×400mm×1175mm approx



Key Features

- Servo Controlled Precision - Full Control over weld depth, force, and speed
- AWC 6 Smart Controller - Intuitive 7" touchscreen with real-time monitoring
- Flexible Weld Modes - Time, Distance, Energy, Max Power & Absolute Differential Distance
- Job & Result Storage - Save up to 99 job settings and 99,999 results
- Live Graphs & Diagnostics - Visualize weld performance with built-in diagnostics
- Accuracy : $\pm 0.01\mu\text{m}$
- Stroke Length - 250mm

Applications



With the Servo Plastic Welding Machine, RTUL redefines the possibilities of plastic welding. Its superior control, precision, and process flexibility make it an essential tool for industries requiring high-quality and reliable welds. Engineered for the future of manufacturing, the SWP offers a perfect blend of advanced technology and user-friendly functionality, setting a new standard for ultrasonic welding systems.

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