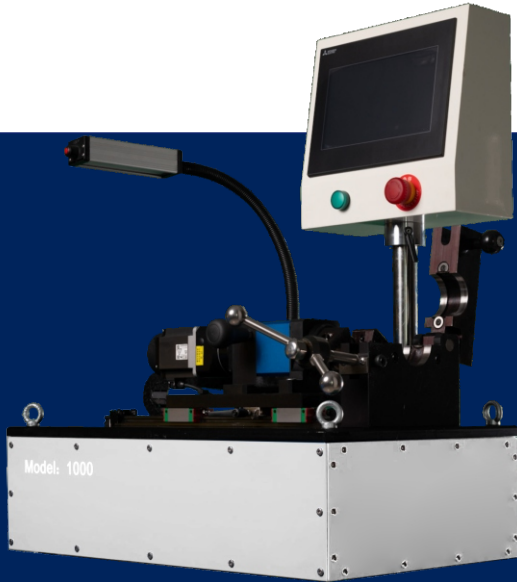


Swaging Solutions

Precision Tube Rolling Systems



1000-RSM



5000-RSM



Precision



Performance



Reliability

PRODUCT FEATURES

Engineered for Precision and Productivity



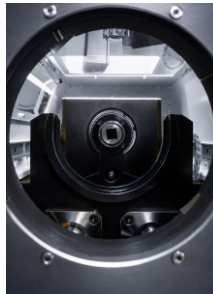
Higher Clamping Force

Enhanced clamping system provides greater holding force during rolling, ensuring stable tube positioning and consistent connection quality.



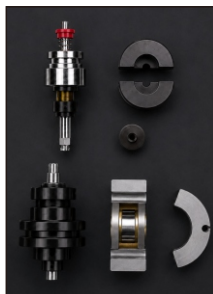
Superior Spindle Concentricity

High-precision spindle and mandrel design delivers excellent concentricity, reducing tube marking and improving sealing performance.



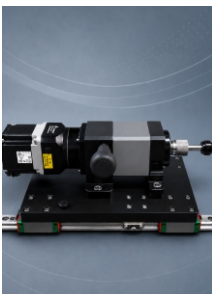
Servo-Driven Main Spindle

High-performance servo motor offers precise speed and torque control, resulting in improved process consistency, shorter cycle time and lower maintenance.



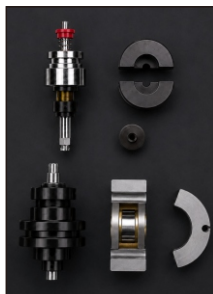
Wide Torque Capability

Broad torque range supports a wide variety of tube sizes, materials and fitting types, providing greater application flexibility.



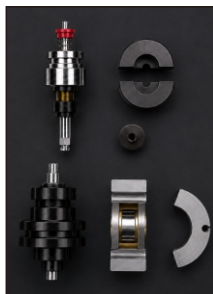
Proven & Cost-Effective Tooling

Durable tooling designed for long service life, consistent rolling performance and lower operating costs.



Flexible Automation & OPC-UA Ready

Flexible configuration options and standard OPC-UA interface enable seamless integration with MES and smart factory systems.



COMPATIBLE WITH MAJOR AEROSPACE FITTING STANDARDS



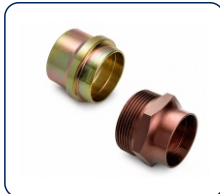
AS18280



AS1650



BAC5001



ABS1375



ABS0395

CUSTOM SOLUTIONS AVAILABLE

- ✓ Custom tube diameters
- ✓ Custom fitting standardse
- ✓ Automatic or manual configurations
- ✓ Dedicated tooling design
- ✓ Production line integration

Equipment and tooling can be customized to meet your production requirements.

EQUIPMENT OVERVIEW

5000-RSM Automatic Servo-Driven Tube Rolling Machine

The 5000-RSM automatic machine is designed for high-precision aerospace manufacturing. Equipped with a servo-driven spindle, intelligent control system and automatic clamping, it delivers excellent repeatability and high production efficiency.

APPLICATIONS

- Aerospace Manufacturing
- Hydraulic Tube Assembly
- High-Volume Production

SPECIFICATIONS	
Item	Specification
Tube OD Range	1/4"-1-1/2"
Wall Thickness	0.016"-0.079"
Torque Range	0-26lb-ft
Torque Accuracy	±0.1% FS
Air Supply	<100 psi
Power Supply	220 VAC, 50/60 Hz



1000-RSM Manual Manual Internal Tube Rolling Machine

The 1000-RSM manual machine is an economical and reliable solution for maintenance, repair and low-volume production. Automatic torque control and real-time monitoring ensure consistent rolling quality with simple manual operation.

SPECIFICATIONS	
Item	Specification
Tube OD Range	1/4"-1-3/8"
Wall Thickness	0.020"-0.079"
Maximum Torque	15lb-ft
Power Supply	220 VAC, 50/60 Hz
Torque Display	Real-Time Monitoring
Operation	Manual



APPLICATIONS

- Aerospace MRO
- Prototype Manufacturing
- Small Batch Production

ABOUT REALSON TECH

REALSON TECH specializes in the development and manufacture of precision tube rolling equipment and swaging solutions for aerospace, defense, marine and other high-reliability industries. Our machines are engineered for precision, built for performance, and supported by responsive service.



Precision Engineering



Reliable Performance



Flex



Reliable Performance



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Precision.
Performance.
Partnership.



Aerospace



Space Systems



Marine



Industrial



High Reliability