



S1209 Servo Endforming Machine

Designers and Manufacturers of Machines • Tools • Fixtures • Test Equipment

Features

- **Servo Endform Stations**
- **Servo Roll Grooving Station**
- **Servo Tube Transfer**
- **Automatic Load and Unload Stations**
- **Tube is clamped one time, eliminating problems with multiple clamp reduction.**



The S1209 Multi-Hit Servo Endformer represents the latest machine innovation from Lomar.

The S1209 incorporates servo technology in all endforming, roll grooving and part indexing, transfer stations.

Patented technology taken from Lomar's popular S1138 Rotary Endformer enables the S1209 to achieve new performance standards in tube forming.

The S1209 is designed for high production tube endforming of 1/4" through 1/2" diameter aluminum, mild steel and stainless steel tubing.

The endformer has six stations, one for an automated tube hopper and one for auto unload.

Four remaining stations can be factory configured with 2-ton, 6" stroke servo rams, bead lock station with component feeder for couplings, ferrules or blocks, or if your application requires roll grooving.

Lomar's dual servo roll groover can be added to one of the stations. Lomar's servo roll groover provides operators quick independent adjustment for roll groove diameter and positioning.

If your application requires installation of inserts, blocks or couplings. Add a component feeder with an escapement to one of the stations.

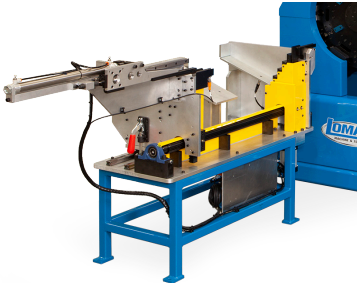
Flexibility and speed are key components of the system, once the tube is clamped up in the load station, the servo head indexes the part to each work station.

Operations are completed simultaneously at each station resulting in speed and efficiencies that are required to be competitive in today's markets.

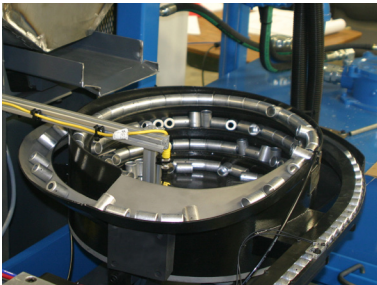
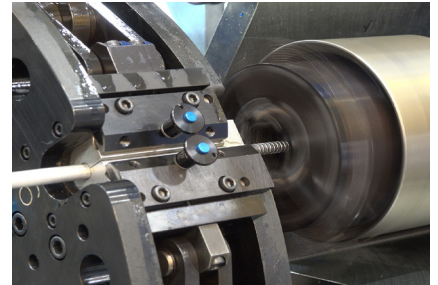
Features & Options



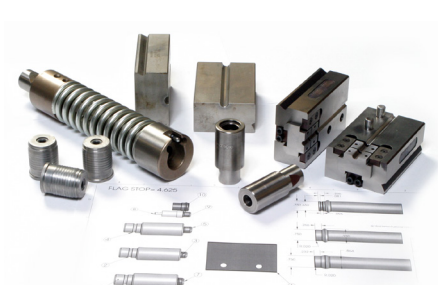
- ▶ Allen-Bradley controller and HMI has the capability to retain endform configurations making change-over quick and efficient.
- ▶ Utilizes Lomar's patented Quick Change Tooling Cartridges.



- ▶ Adjustable tube hopper accommodates 1/4" - 1/2" diameter by 6" long through 60" long tubes.
- ▶ Dual servo roll groover allows operator to independently adjust diameter and position of roll grooves.



- ▶ Component feeders for inserts, blocks or couplings are available.
- ▶ Tooling Development Services
- Flood Lubrication System.
- CE / CSA / NR-12 Compliance available upon request.



The S1209 Servo Endforming System is nearly 60 percent more energy efficient as compared to hydraulic operated systems.



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Specifications

DIMENSIONS:

82" L (2083mm) x 52" W (1321mm) x 74" H (1,880mm)

APPROXIMATE SHIPPING WEIGHT: 5,500 lbs

ELECTRICAL REQUIREMENTS:

480V 3 PH, 60Hz (Other configurations available.)

SERVO TONNAGE: 2.0 tons

STROKE LENGTH: 6"

CYCLE TIME: Approximately 3.5 -5 seconds
(Application dependant)