AUTOMATED INDUSTRIAL SYSTEMS

THE EXPERTS
IN O-RING INSTALLATION

ASP-2

External O-Ring Installation Machine

AIS is the world's leading manufacturer of O-ring and seal installation machines, setting the standard for innovation and reliability. As the only company to utilize the revolutionary radial stretch technique, we offer a solution that significantly enhances durability, simplifies installation, minimizes damage, and ensures improved seal integrity for our customers. ASP-2 machines are custom-engineered to meet the specific requirements of your application. A typical layout features a vibratory feeder bowl, a gravity-fed track, and installation tooling tailored to your unique needs.

With a half century of experience, AIS understands the critical importance of O-ring and seal performance throughout the entire assembly process. Our ASP-2 machines are engineered to maintain the highest standards of quality at every stage of the installation process, ensuring that your seals are installed correctly, remain intact, and perform reliably over time. AIS is committed to providing cutting-edge technology that supports industries worldwide.

ASP-2 machines deliver a quick, efficient, and precise installation process for O-rings and seals up to 2" OD. Once the part is placed into the mandrel, a simple push, by operator or by robot, activates the system, precisely installing the O-ring or seal exactly where it needs to be.

Ideal For:

O-Rings

Cup Seals

Back-Up Rings

Quad Seals

Teflon Seals

and More!

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4238 West 12th Street, Erie, PA 16505
814-838-2270 www.aisoring.com

ASP-2 Optional Features and Upgrades

O-Ring Detection – A sensor verifies the presence of an O-ring on the mandrel during each machine cycle. If no O-ring is detected, a warning light is triggered, and the machine automatically shuts down.

PLC Expander – Enhanced I/O interfaces to support integration and data exchange.

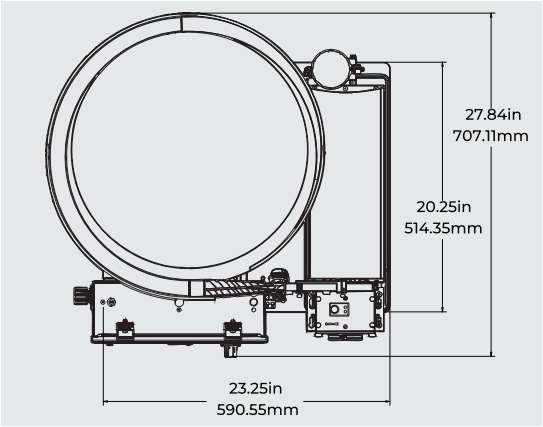
Low Lube Reservoir Sensor – A sensor monitors the lubricant level and activates a warning light when the reservoir is running low.

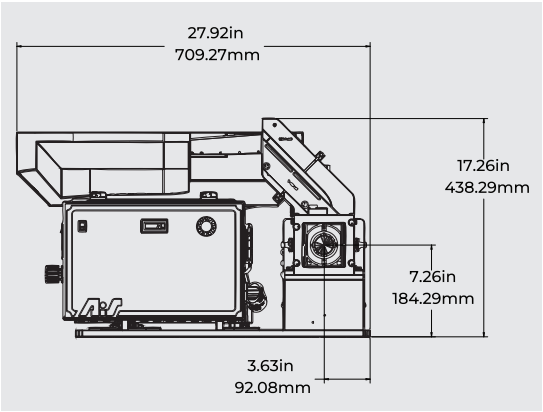
Low Bowl Sensor – A sensor monitors the O-ring or seal level and triggers a warning light when the feeder bowl is running low..

O.D. Lubricator – Applies lubrication to the O-ring's outer diameter, facilitating smoother installation in the next stage of your process.

Medical Package – Stainless steel components specifically suited for medical and cleanroom applications.

Variable Placement Module – A rotary actuator with a transfer mandrel places seals onto parts in vertical or other orientations.





STANDARD ASP-2 DIMENSIONS

Machine Specifications:

115 VAC, 60Hz (Other voltages upon request.) 65-90 psi (6.025 bar) air supply.

- Accommodates O-Rings ranging from 0.890"* (22.606 mm) to 2.0" (50.8 mm) Outside Diameter**
- Cycle rates of up to 45 per minute (over 2700 per hour)
- Digital resettable counter
- Compact, bench-top mounted machine (Less than 5 square feet)
- Right or Left hand configurations available
- Seamless horizontal or vertical integration with automated systems
- Streamlined tooling changes to support additional applications

* For O-Rings smaller than 0.890" O.D., explore our ASP-1 machine.
** Dependent upon ratio of cross section to Outside Diameter and O-Ring material.

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