

ARP-1, ARP-1M, & ARP-2

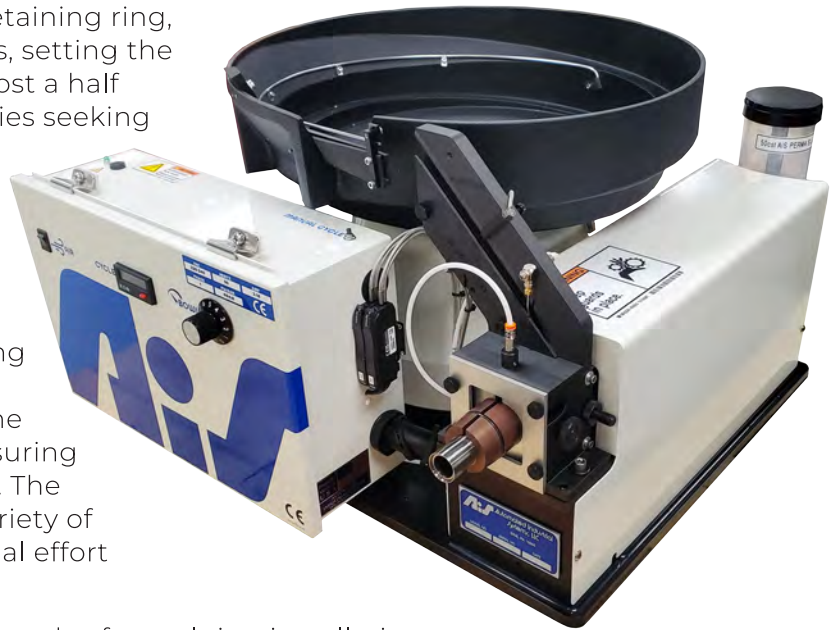
External Retaining Ring Installation Machines

AIS is the world's leading manufacturer of O-ring, retaining ring, snap ring, metal ring, and seal installation machines, setting the standard for innovation and reliability. For over almost a half century, AIS has been the go-to provider for industries seeking precision and efficiency in ring and seal installation equipment. The ARP series builds on this legacy with custom-engineered solutions designed to meet the specific needs of your application.

The ARP machines are specifically built for the semi-automatic installation of external axial retaining and snap rings. Featuring a vibratory feeder bowl, a gravity-fed track, and tailored installation tooling, the ARP system offers high precision and efficiency, ensuring that each ring or seal is correctly placed, every time. The machines are capable of orienting and feeding a variety of metal rings to the installation head, reducing manual effort and maximizing production speed.

ARP machines are built to withstand the heavy demands of metal ring installation, providing superior durability for long-term performance. This is ideal for industries requiring high-volume and high-durability installation solutions, ensuring minimal downtime and reduced operational costs.

With ARP machines, you can achieve faster cycle times and increased throughput while maintaining the highest standards of quality. Whether you're working with retaining rings or other metal rings, AIS's ARP series offers a reliable, automated solution that optimizes every aspect of the sealing process.



Ideal For:

Snap Rings

Metal Rings

Stamped Rings

Wire Rings

and More!



ARP Line Optional Features and Upgrades

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 level and triggers a warning light when the feeder bowl is running low.

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



*Model Shown:
ARP-1M
w/Stainless
Steel Medical
Package



*Model Shown:
ARP-1 w/VPM

- Accommodates rings ranging from 0.056"* (1.42 mm) to 1.864" (47.35 mm) Outside Diameter*
- Cycle rates of up to 40 per minute (over 2400 per hour)
- Digital resettable counter
- Compact, bench-top mounted machine (Less than 4 or 5 square feet)
- Right or Left hand configurations available
- Streamlined tooling changes to support additional applications
- Easy integration into automated cells

* Subject to operational limits.

AIS AUTOMATED
INDUSTRIAL
SYSTEMS

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