ROBOCLIP
by Innovative Automation

Production Challenges, Solved

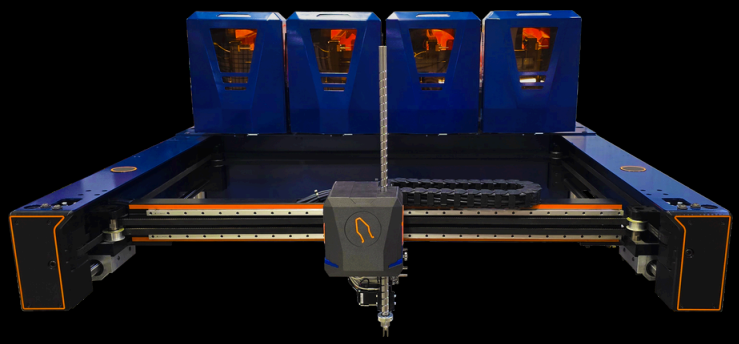
RoboClip automates the feeding and robotic installation of plastic clips while addressing the common challenges of clip handling, part variation and changeover. Its anti-jam feeding technology and flexible programming help keep clips moving reliably while supporting a wide range of applications and clip types.

- Fast and reliable
- Anti-jam feeding
- Compact and reusable
- User-friendly maintenance



Key Challenges & Solutions

- ***Clip Jams:*** Patent-pending anti-jam feeding technology adapts to variations in clip geometry, helping maintain reliable feeding even with molding defects such as warping or flash.
- ***Part & Clip Variation:*** RoboClip accommodates variation in clips and molded parts, reducing the need for complex reprogramming or manual adjustments.
- ***Time-Consuming Adjustments:*** Visual setup cues and intuitive controls simplify adjustments and help reduce changeover time.
- ***Complex Clip Installation:*** RoboClip combines clip feeding and robotic installation into one integrated system, reducing manual handling and simplifying the automation process.



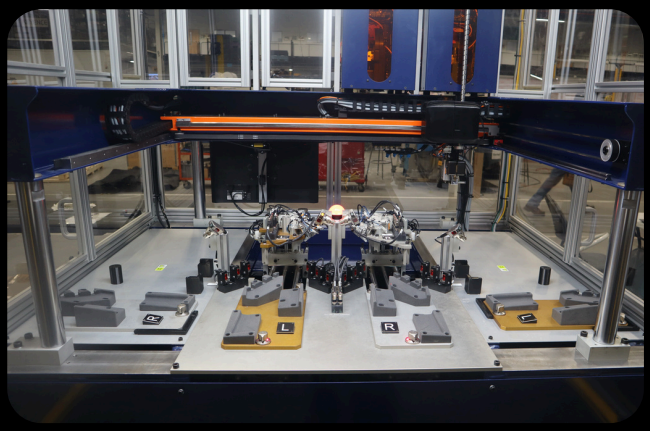
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Designed for Reliable, Flexible Production

- **Fast & Reliable Anti-Jam Feeding** – Keeps clips moving consistently while reducing interruptions caused by jams and clip variation.
- **User-Friendly Maintenance** – Accessible components and straightforward troubleshooting simplify routine maintenance.
- **Compact & Reusable** – A modular platform designed to reduce floor-space requirements and be reconfigured for future applications.
- **Easy Part Programming** – Quickly set up new parts and clip types to support production changeovers.
- **Interchangeable Tooling** – Change tooling to accommodate different clips, parts and applications.
- **Standalone or In-Line Integration** – Deploy RoboClip as a standalone process or integrate it into a larger automated production system.





Clip Compatibility

RoboClip supports a wide range of arrowhead-style clips commonly used in automotive assembly and other manufacturing applications.

- **Standard Clip Types:** A Clips, V Clips, Bird's Beak Clips, IP Clips, Grille Clips and Instrument Panel Clips.
- **Additional Clip Geometries:** RoboClip can be configured for other pointed clip styles, with tooling modifications available to accommodate application-specific shapes and sizes.

Why Choose RoboClip?

- **Reduce Downtime** – Anti-jam feeding helps minimize production interruptions caused by clip feeding issues.
- **Improve Efficiency** – Fast cycle times, simple adjustments and automated feeding reduce operator intervention.
- **Adapt to New Applications** – Modular tooling and flexible programming allow RoboClip to support changing production requirements.

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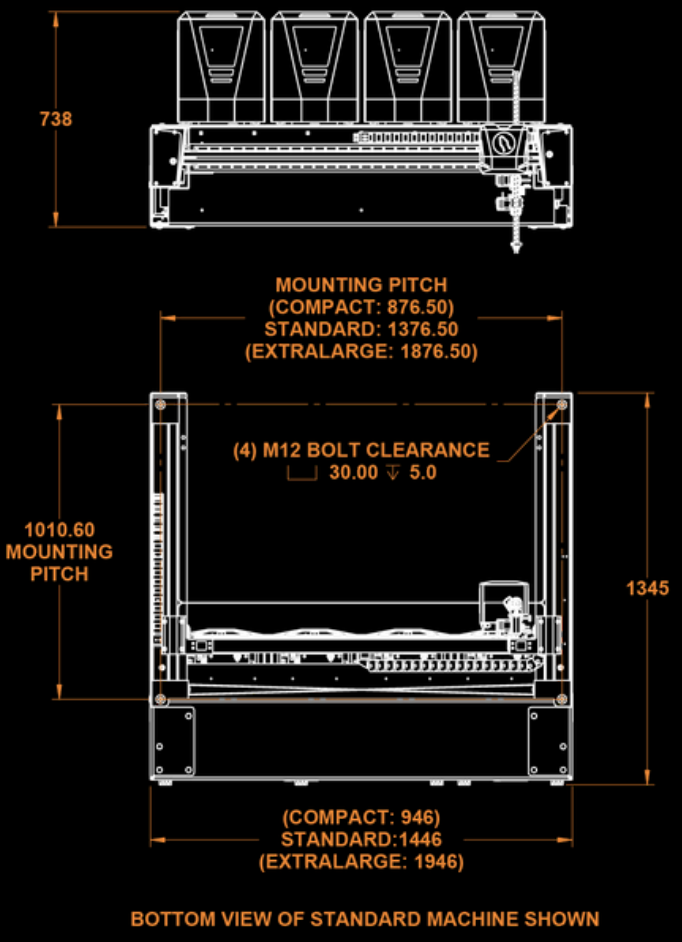
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RoboClip Specifications

Width	Three Sizes - 946, 1446 or 1946 mm
Length	1345 mm
Height	738 mm
Weight	170-320 kg
Working Area	750 mm deep x 275 mm high
Working Area Width	500, 1000 or 1500 mm
Maximum Speed	500 mm/s

Clip to Clip Cycle Time	~2.5 seconds
Magazine Refill Time	~1 second
Magazine Capacity	~22 clips
Drum Capacity	~4000 clips per drum
Motion Repeatability	±0.25 mm
Communication	EtherNet/IP
Power Requirements	95-250 VAC, 50-60 Hz, 7 FLA

Standard-size RoboClip shown with up to four feeders. Contact us for Compact and Extra Large machine dimensions and drawings.



BOTTOM VIEW OF STANDARD MACHINE SHOWN

Have a Clip Application?
Send us your clip and part information. Our team can evaluate the application and determine how RoboClip can be configured for your production process.

Contact Us

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