



BMG-Solutions.com



Infinite Configurations. Endless Possibilities.

Handles Lids, Cups, Containers & More

Work Smarter, Faster, Better.

- > Infinite, compact & flexible configurations
- > 100% compatibility
- > 4x faster changeover
- > 75% labor reduction
- > Reduced jams & product scrap

Evolutionary Robotic Product Handling

The Mantis™ robotic trim press handling system is the next generation in thermoformed product handling. Compatible with all trim presses but specifically designed for both non-servo- and long-eject models. This compact and configurable system fits within your facility and interfaces with any trim press make or model. Product containment throughout the process dramatically reduces jams and product loss. Highlights include: compact trim press receiver (TPR) – patent pending, VeriTool™ RFID tool verification – patent pending, no product contamination, simple intuitive controls, product isolation and reject through HMI, plus quick and easy changeover.

Precise control. Reduced downtime. Faster changeover. Mantis – Run With Confidence.



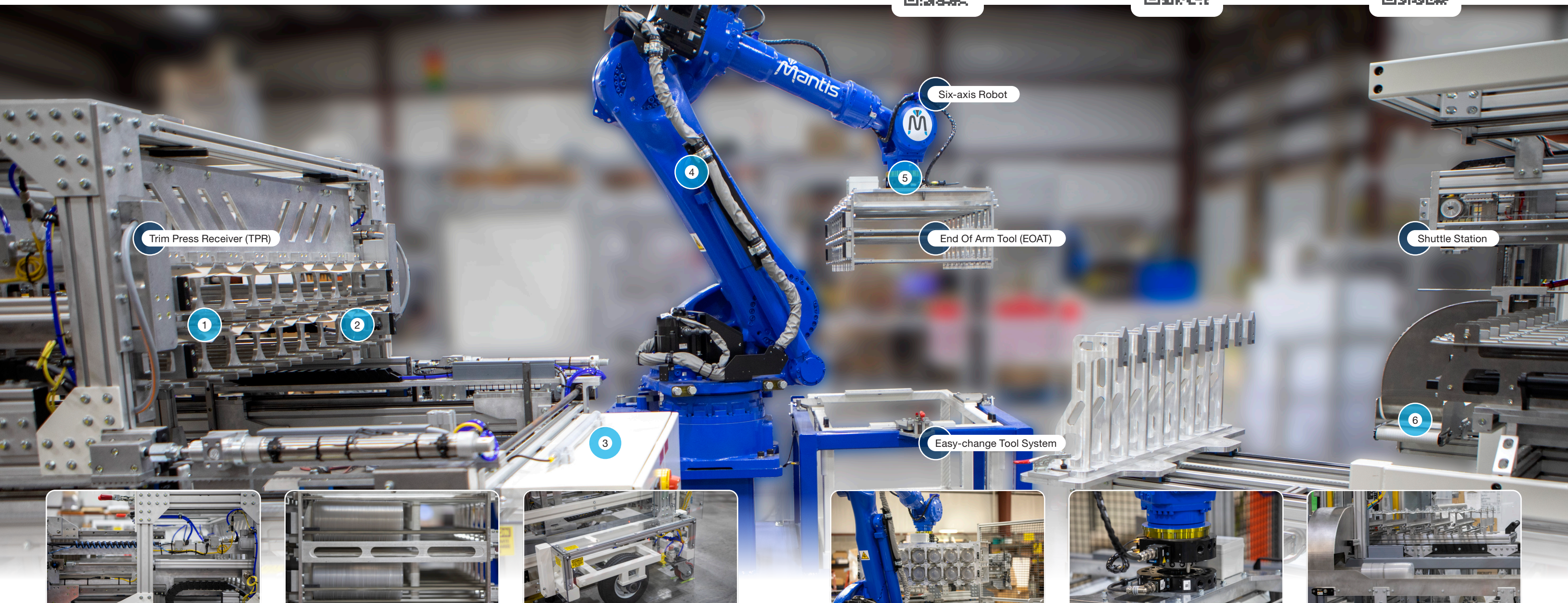
Web Page



Video



Optional IIoT Remote Connectivity & Monitoring



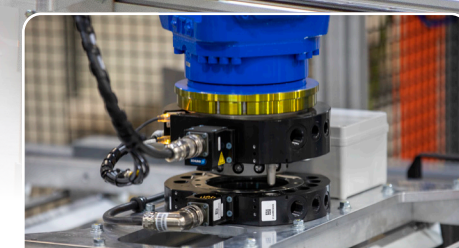
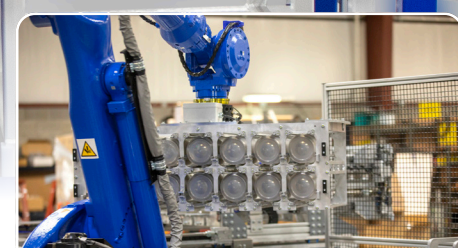
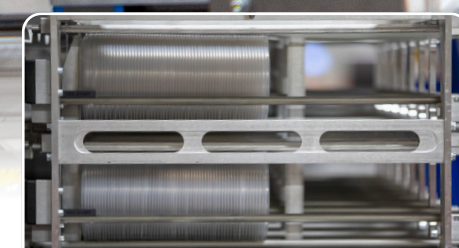
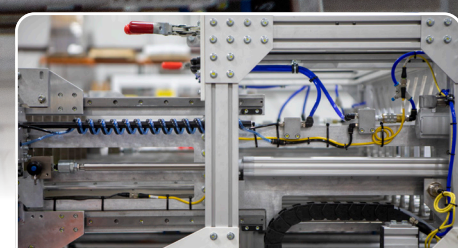
Trim Press Receiver (TPR)

Six-axis Robot

End Of Arm Tool (EOAT)

Shuttle Station

Easy-change Tool System



- 1 : Compact Trim Press Receiver (TPR)**
- > Accepts continuous product flow from non-servo-eject trim presses
 - > Accurate, automated counting & separation
 - > No special tool dies required
 - > Patent pending

- 2 : Complete Product Containment**
- > Front & back containment throughout process
 - > Eliminates jams from fall back or forward
 - > Virtually no scrap product while handling

- 3 : Roll-away Functionality**
- > Automated at a push of a button
 - > Quick & easy access to setup

- 4 : Repeatability & Accurate Robotics**
- > Consistent cycle time
 - > Consistent product placement
 - > Preprogrammed
 - > Easy to use and configure
 - > Comprehensive training
 - > 24/7 remote technical support

- 5 : VeriTool™ RFID Tool Verification**
- > Quick & easy changeover for multiple SKUs
 - > 4x faster changeover
 - > Avoid machine damage
 - > Patent pending

- 6 : Part Rejection Station**
- > Cell isolation & part rejection from HMI
 - > Virtually no scrap product
 - > Minimal downtime from bad parts

Downstream Automation Options Available

- > Wrapping
- > Case packing
- > Palletizing



NAS

Mantis

ROBOTIC TRIM PRESS HANDLER

HANDLES LIDS, CUPS, CONTAINERS & MORE



Lids



Cups



Containers

WORK SMARTER, FASTER, BETTER.



Infinite configurations



100% compatibility



4x Faster changeover



75% labor reduction



Reduced Jams & product scrap

To see how Mantis™ can help your business grow, reach out today.

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BMG

AUTOMATION SOLUTIONS

FORMING, TOOLING & AUTOMATION SOLUTIONS

BMG Forming Solutions: Brown, Lyle and GN provide the most innovative, durable and dependable thermoforming equipment in the industry, from entry-level thermoformers to the most technologically-advanced turnkey systems. Our vast experience, wealth of knowledge and relentless innovation has led us to design and build the most advanced and productive thermoformers in the world.

BMG Tooling Solutions: Freeman and GN tooling is built to precise specifications, utilizing state-of-the-art equipment and advanced technologies with the tightest tolerances in the industry. Founded in 1892, Freeman has a rich legacy of innovation and market leadership. We are the premier provider of the most productive paper and plastic thermoforming tooling packages available.

BMG Automation Solutions: NAS Nalle Automation Systems and aXatronics rely on creativity and the latest technology to provide our customers with the most efficient, reliable, and innovative packaging and robotic material handling solutions for paper or plastic.

With locations across the globe and installations in over 65 countries, BMG is the world's leading provider of forming, tooling and automation solutions. We are dedicated to determining and delivering the best solutions, whether it's new materials, faster setup times, higher output or improving part quality. We work with you to identify your needs, challenges and priorities. We listen closely, understand your situation and deliver the optimal solution to achieve your desired results while improving consistency, speed and profitability – so you can Run With Confidence.

BMG
RUN WITH CONFIDENCE

BROWN | LYLE | GN | Freeman | NAS | aXatronics