

BMG-Solutions.com

GN580

High-speed, form-cut-stack thermoforming for endless possibilities

Serving the Food, Medical, Horticulture and Consumer Packaged Goods Industries

High-performance thermoformer

- > Precision forming & cutting
- > Increased production output
- > Reduced downtime
- > Industry-leading service

Diverse forming possibilities with precision and speed

The GN580 is a high-speed, plug-assist, form-cut-stack thermoformer. This servo-controlled high-speed model with integrated steel rule cutting press and robotic stacking station is suitable for the cost-effective production of packaging made from all thermoformable materials. The most distinctive features of the GN580 are the high degree of automation as well as the ease of tool change system, reducing downtime for machine reset.

This thermoformer offers a variety of options to suit various customer requirements. The GN580 is extremely flexible and can be combined with scrap grinders, padding systems and end-of-line automation systems to complete your production line.

Capable of forming PET, PP, HIPS, OPS, PVC and more blends including PLA and other biodegradable materials.

[GN580 – Flexible thermoforming for endless possibilities.](#)

GN580

Web



GN580

Video



GN
BMG

Video



SPECIFICATIONS

Maximum Forming Area	580mm x 465mm (22.8" x 18.3")
Depth of Draw	120mm (4.7")
Clamping Force	25 Metric Tonnes (27.56 US Tons)
Cutting Force	60 Metric Tonnes (66.14 US Tons)
Sheet Width	650mm (25.6")
Machine Dimensions (l x w x h)	11.58m x 2.72m x 2.59m (38' x 8'11" x 8'6")



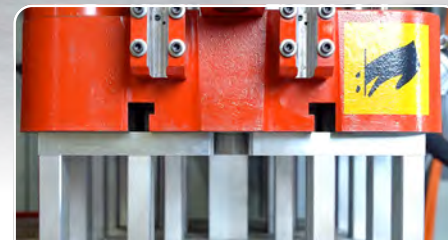
1 : Roll Holder & Motorized Roll Unwind

- > Simple & efficient roll loading
- > Continuous roll unwind matches machine speed
- > Quick roll change & splicing



2 : Infrared Heaters

- > High efficiency
- > Multi-zoned to better control heat distribution
- > Movable oven to suit multiple tool sizes
- > Consistent and even heating of formable material



3 : High-tonnage Forming Station

- > Independent servo plugs for improved material distribution
- > Movable platens ensure precision
- > Energy recovery system
- > Short forming time increases production output



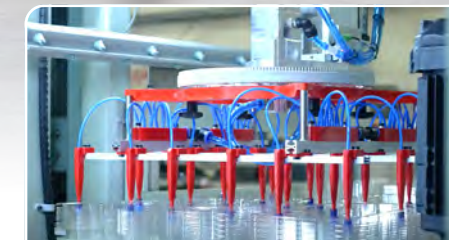
4 : Cutting Station

- > Precision cutting for reduced scrap waste
- > Adjustable to variable tool height & size



5 : Easy-to-use HMI

- > Full machine operation at a glance with touch screen – movable across the full operator side of the machine
- > Recipe storage & recall
- > Internet/remote-connection-ready



6 : Multiple Stacking Options

- > Standard Up Stacker
- > Optional Robotic Stacking Unit
- > A/B, A/B/C & rotational stacking possibilities
- > Ensures full removal of parts from scrap web at sheet line
- > Optional moving basket for improved parts removal

GN

GN580

High-speed, form-cut-stack thermoforming for endless possibilities

FORMING FOR ALL INDUSTRIES



Food



Medical



Consumer packaged goods



Horticulture

GN QUALITY & PERFORMANCE



Precision forming & cutting



Increased production output



Reduced downtime



Industry-leading service

To see how the GN580 can help your business grow, reach out today.

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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 85 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.



BROWN **LYLE** **GN** **Freeman** **NAS** **aXatronics**