



BMG-Solutions.com

GN800

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

Serving the Food, Medical 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 GN800 is a high-speed, plug-assist, form-cut-stack thermoformer with optional punch station. This innovative GN product uses fully-integrated servo controls throughout—including the movable top and bottom platens for precise forming and cutting of parts. With the input of customers and toolmakers, GN developed the GN800 to provide cost-effective and high-speed part production. The most distinctive features of the GN800 are the high degree of automation as well as the fast tool change system, reducing downtime for machine reset. Capable of forming PET, PP, HIPS, OPS, PVC and other blends including PLA and other biodegradable materials, the GN800 is extremely flexible and can be combined with scrap grinders, padding systems and inline packing systems to complete your production line.

GN800 – Flexible thermoforming for endless possibilities.

GN800

Web



GN800

Video



GN
BMG

Video



SPECIFICATIONS

Maximum Forming Area	830mm x 570mm (32.6" x 22.4")
Depth of Draw	150mm (5.9")
Clamping and Cutting Force	75 Metric Tonnes (73.82 US Tons)
Sheet Width	910mm (35.8")
Machine Dimensions (l x w x h)	14.86m x 3.5m x 3.3m (48'9" x 11'6" x 10'10")



- 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
 - > Consistent & even heating of formable material



- 3 : High-tonnage Forming Station**
- > Independent servo plugs for improved material distribution
 - > In-mold cut capability up to 75 metric tonnes forming and cutting force
 - > Movable platens ensure precision
 - > Short forming time increases production output



- 4 : Cutting Station**
- > Precision cutting for reduced scrap waste
 - > Up to 75 metric tonnes of cutting force for clean cuts



- 5 : Optional Punch Station**
- > High-torque motor and punch press design maintains high production speeds vs. competition
 - > Servo-motor-controlled beam with height adjustment for precise & repeatable adjustment of punch & die engagement



Video



- 6 : 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



- 7 : 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

GN800

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 GN800 can help your business grow, reach out today.

sales@gncanada.com +1 902 275 3571 | sales@gneurope.com +420 567 313 078 | BMG-Solutions.com



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**