

GN800



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

High-performance thermoformer

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 CPET, PET, PP, HIPS, OPS, PVC and more blends including CPLA, 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.**

Flexible Thermoforming

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 (l x w x h) (48'9" x 11'6" x 10'10") |



GN800

FEATURES

Double Roll Holder & Motorized Roll Unwind

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

Infrared Heaters

- › High efficiency
- › Multi-zoned to better control heat distribution
- › Consistent & even heating of formable material

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

Cutting Station

- › Precision cutting for reduced scrap waste
- › Up to 75 metric tonnes of cutting force for clean cuts

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

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

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

Industry-leading Service

- › Quick service turnaround – worldwide locations
- › Remote service & tech support
- › Remote training available
- › Preventative maintenance plans

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

GN800 – Web



GN800 – Video



GN – Video



Double Roll Holder &
Motorized Roll Unwind

To see how BMG Forming Solutions can help your business, reach out today.



Shaping **next.**

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