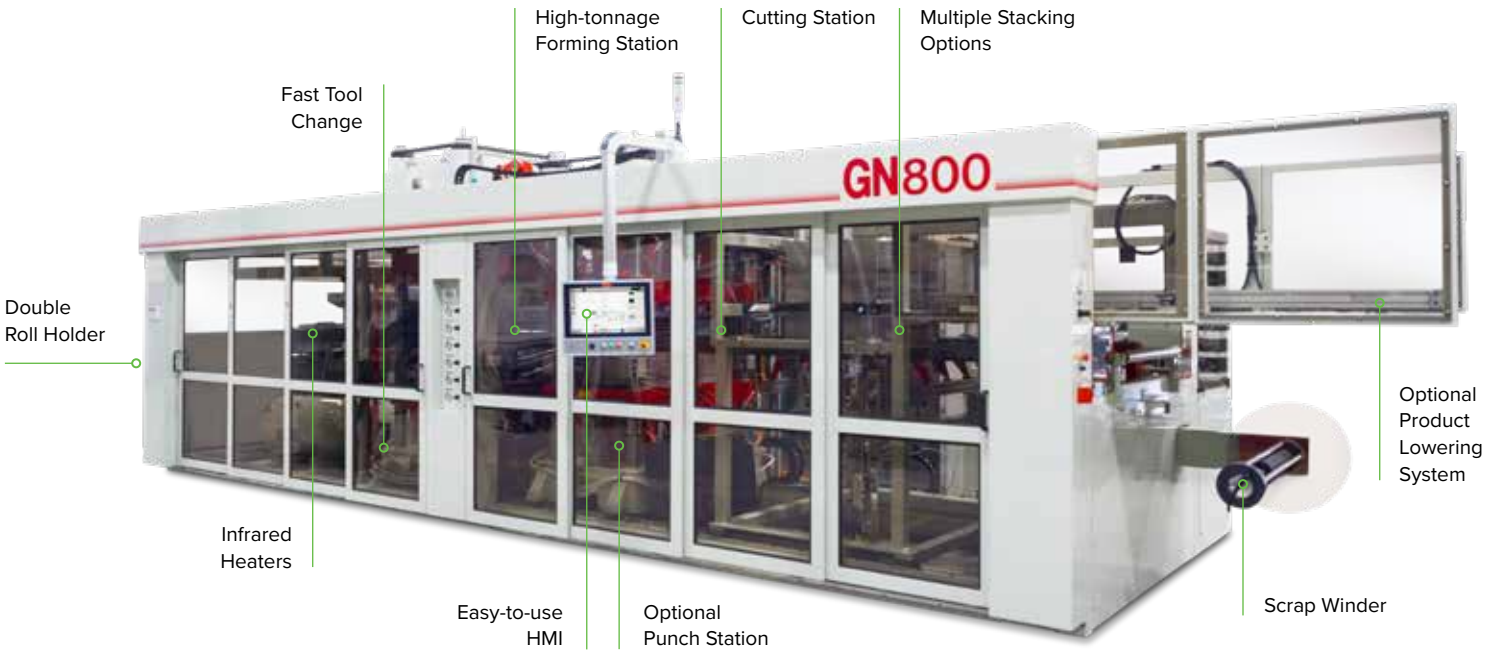
Form-Cut-Stack (FCS)

High-performance thermoformers



Diverse forming possibilities with precision and speed.

Our high-speed, plug-assist, form-cut-stack thermoformers feature an optional punch station and fully integrated servo controls throughout, including movable top and bottom platens for precise forming and cutting. With input from customers and toolmakers, BMG developed our form-cut-stack thermoformers to deliver cost-effective, high-speed part production. The most distinctive features are a high degree of automation and a fast tool-change system, reducing downtime for machine resets. Capable of forming CPET, PET, PP, HIPS, OPS, PVC, and more blends, including CPLA, PLA, and other biodegradable materials, our form-cut-stack thermoformers are extremely flexible and can be combined with scrap grinders, padding systems, and inline packing systems to complete your production line. **Flexible thermoforming for endless possibilities.**

Double Roll Holder & Moterorized Roll Unwind



bmg

Shaping **next.**

Seeing is believing.

See our BMG high-performance thermoformers in action.

Specifications	GN580	GN760	GN800	GN915
Maximum Forming Area	**580mm x 465mm (22.8” x 18.3”)**	**762mm x 534mm (30” x 21”)**	**830mm x 570mm (32.6” x 22.4”)**	**865mm x 915mm (34” x 36”)**
Depth of Draw	**120mm (4.7”) below sheet line 120mm (4.7”) above sheet line**	**125mm (4.92”) below sheet line 15mm (0.59”) above sheet line**	**150mm (5.9”) below sheet line 150mm (5.9”) above sheet line**	**150mm (5.9”) below sheet line 150mm (5.9”) above sheet line**
Clamping Force	**25 Metric Tonnes (27.56 US Tons)**	**75 Metric Tonnes (73.82 US Tons)**	**75 Metric Tonnes (73.82 US Tons)**	**100 Metric Tonnes (110.23 US Tons)**
Cutting Force	**60 Metric Tonnes (66.14 US Tons)**	**75 Metric Tonnes (73.82 US Tons)**	**75 Metric Tonnes (73.82 US Tons)**	**100 Metric Tonnes (110.23 US Tons)**
Sheet Width	**650mm (25.6”)**	**815mm (32”)**	**910mm (35.8”)**	**925mm (36.4”)**
Machine Dimensions (L x W x H)	**11.8m x 3.3m x 3m (39’10” x 10’10” x 9’10”)**	**10400mm x 3650mm x 2930mm (410” x 144” x 116”)**	**(14.86m x 3.5m x 3.3m 48’9” x 11’6” x 10’10”)**	**17.38m x 3.3m x 3.65m (57’1” x 10’10” x 12’)**
Maximum Knife Length	**10000mm for 0.5mm PET 130°C knife**	**850mm (335”) for APET 9525mm (375”) for other thermoformable materials**	**13000mm for 0.5mm PET 130°C knife 18000mm for 0.5mm HIPS 130°C knife**	**16000mm for 0.5mm PET 130°C knife**
Running Power Consumption	**Approx. 30 Kilowatts/hr**	**Approximately 28 Kilowatts/hr**	**Approx. 38 Kilowatts/hr**	**Approx. 38 Kilowatts/hr**
Air Consumption	**Air consumption is tool and cycle time dependent. Contact BMG for details.**	**Approximately 4400 NL/min @ 6.2 bar (155 SCFM @ 90 PSI)**	**Approx. 7000NL/min (247 SCFM @ 90PSI)**	**Approx. 8720NL/min (308 SCFM @ 90PSI)**
Machine Weight	**11800 Kg (26000 lbs)**	**7300 kgs (16100 lbs)**	**21000 Kg (46300 lbs)**	**27000 Kg (59525 lbs)**
Material Thickness	**0.25mm - 1.50mm (0.010” x 0.060”)**	**0.25mm - 1.50mm (0.010” x 0.060”)**	**0.25mm to 2.00mm (0.010” to 0.078”)**	**0.25mm to 2.00mm (0.010” to 0.078”)**
Air Pressure	**6.2 bar (90 PSI) minimum 9.6 bar (140 PSI) maximum**	**6.2 bar (90 PSI) minimum 9.6 bar (140 PSI) maximum**	**6.2 bar (90 PSI) minimum 9.6 bar (140 PSI) maximum**	**6.2 bar (90 PSI) minimum 9.6 bar (140 PSI) maximum**
Cooling Water Consumption	**Consumption is tool dependent. Contact BMG for details**	**65 - 150 litres/min (17-40 gallons/min)**	**Water for chain rails and knife heater 35 liters/min. (9 gallons/min.) Water for forming tools: 125 – 165 Liters/min. (33-44 gallons/min.) (Tool and cycle time dependent)**	**Water for chain rails and knife heater 35 liters/min. (9 gallons/min.) Water for forming tools: 145 – 195 Liters/min. (38-52 gallons/min.) (Tool and cycle time dependent)**
Material Roll Diameter	**1200mm (47”)**	**1000mm (39”)**	**1200mm (47”)**	**1200mm (47”)**
Main Supply Voltage	**3 Phase + N + PE, 50-60 Hz (380 - 480 V)**	**3 Phase + N + PE, 50-60 Hz (380 - 480 V)**	**3 Phase + N + PE, 50-60 Hz (380 - 480 V)**	**3 Phase + N + PE, 50-60 Hz (380 - 480 V)**
HIGHLIGHTS	› Double roll holder & motorized roll unwind › Infrared heaters › Forming station (Low tonnage) › High tonnage cutting station › Easy to use HMI › Multiple stacking options › Industry leading service	› Double roll holder & motorized roll unwind › Infrared heaters › High tonnage servo controlled forming station › High tonnage servo controlled cutting station › Easy to use HMI › Fully programmable robotic stacking station › Scrap winder	› Double roll holder & motorized roll unwind › Infrared heaters › High tonnage forming station with optional in-mold cutting › High tonnage cutting station › Easy to use HMI › Multiple stacking options › Industry leading service	› Double roll holder & motorized roll unwind › Infrared heaters › High tonnage forming station with optional in-mold cutting › High tonnage cutting station › Easy to use HMI › Multiple stacking options › Industry leading service › Tool Lift Table

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

bmg Shaping **next.**

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