



GN ECO  
TECHNOLOGY

World's Greenest  
Thermoformer



BMG-Solutions.com

## Contact Heat Thermoformers

Energy-efficient with a compact footprint

Serving the Food, Medical & Consumer Packaged Goods Industries

High-performance, high-efficiency & low-maintenance thermoformer

- > Lowest energy usage in the industry
- > Lowest scrap waste in the industry
- > Plug & play – installed in a day<sup>1</sup>
- > Easy to use
- > Precision forming & cutting in one process
- > Inexpensive tooling
- > Compact footprint
- > Industry-leading service

# Greenest & most cost-effective thermoformers in the industry

GN Contact Heat Thermoformers have become the choice of customers throughout the world that require reliable, cost-effective thermoformers to produce thin-gauge plastic packaging with low energy consumption. With the ability to run most thermoformable grade materials at thicknesses down to 150 microns, GN Contact Heat Thermoformers are known for reducing material usage and weight. GN Contact Heat Thermoformers are 10% more cost-efficient when using sheet material due to lower scrap. Contact heat technology offers a very consistent/even heat that is transferred at forming temperature, lowering the electrical requirements to as low as 7.5 kWh.

GN Robotic Stacking Units accurately count, stack and deliver the formed parts to a receiving station for further packing and processing. Additional automation is available including bagging, counting, case packing and palletizing.

[GN Contact Heat Series – Flexible & efficient thermoforming for endless possibilities.](#)

## GN3021DX

Web



## GN3625DX

Web



## GN4532D

Web



### SPECIFICATIONS

#### GN3021DX

Forming Area	760mm x 530mm (30" x 21")
Depth of Draw	125mm (5")
Material Thickness Range	0.15mm - 1.00mm (.006" x .040")
Cycles per Minute	30 maximum
Power Consumption	7.5 kWh (approximate)

#### GN3625DX

Forming Area	915mm x 635mm (36" x 25")
Depth of Draw	125mm (5")
Material Thickness Range	0.15mm - 1.00mm (.006" x .040")
Cycles per Minute	30 maximum
Power Consumption	12 kWh (approximate)

#### GN4532D

Forming Area	915mm x 635mm (36" x 25")
Depth of Draw	125mm (5")
Material Thickness Range	0.15mm - 1.00mm (.006" x .040")
Cycles per Minute	20 maximum
Power Consumption	20 kWh (approximate)



GN3021DX + RSX Video



GN Contact Heat Thermoformers have the lowest energy usage (kWh) in the industry

Image shown: GN Contact Heat Thermoformer & Robotic Stacker



#### 1 : Roll Holder & Transport System

- > Simple & efficient roll loading
- > Nip roll material unwind (DX)
- > Static eliminator
- > Accurate transport system (with no chain) for minimal scrap



#### 2 : Precision Tooling

- > Inexpensive
- > Fast & simple tool change
- > Designed & production tested at our facility
- > GN common edge tooling technology
- > Quick tool change process



#### 3 : Contact Heat Forming & Cutting Station

- > High-speed & high-efficiency forming
- > Multi-zoned to better control heat distribution
- > Electric pre-heater
- > Additional heating zones available (DX)
- > In-mold cutting ensures consistent & accurate trim
- > Servo-driven platen for precision cutting
- > Oversized roller bearings for long life & low maintenance
- > Adjustable stripping point
- > Optional photo scanning system available



#### 4 : Easy-to-use HMI

- > Full machine operation at a glance with touch screen
- > Recipe storage & recall
- > Internet/remote connection ready
- > Built-in diagnostic system
- > Microprocessor-based control systems (PLC)



#### 5 : Stacking Options

- > Robotic Stacking Unit (RSX)
- > A/B, A/B/C & rotational stacking possibilities
- > Ensures full removal of parts from scrap web at sheet line
- > Up stacking unit available



RSX Video



#### Industry-leading Service

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

1 GN Contact Heat Thermoformer only

Contact a GN representative to learn how contact heat technology works or for layout & footprint information



# Contact Heat Thermoformers

Energy-efficient with a compact footprint

## FORMING FOR MANY INDUSTRIES



Food



Medical



Consumer packaged goods

## GN QUALITY & PERFORMANCE



Precision forming & cutting



Low Energy use



Reduced downtime



Low Scrap waste



Industry-leading service

To see how GN's Contact Heat Series 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.

