

Meticulously crafted
to redefine packaging
sustainability.

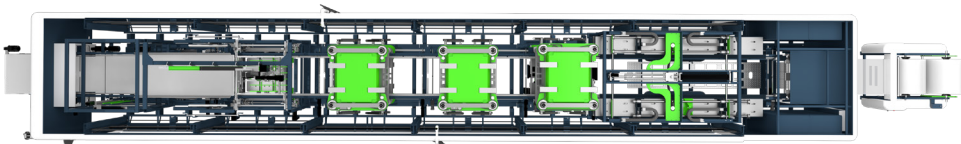
NXTMod10



Transformative Thermoforming

Efficiency, Innovation, and AI Integration

NXT from BMG: With 70+ years of Thermoforming expertise, our commitment to excellence shines in every aspect. Boasting the largest forming area and best-in-class cycle rates, our system offers unparalleled flexibility and top-tier tonnage. The ergonomic design prioritizes safety, featuring quick-change tooling for one-person changeovers, ensuring immediate efficiency. Proven reliability with NXT's center toggle design guarantees high-quality parts every cycle. The floor space-friendly Mod10 outshines in parts per minute, providing greater output. Our modular solution is bespoke with best-in-class innovation. The updated control design ensures an intuitive experience, ready for future AI upgrades, promising seamless integration. BMG is your constant partner, elevating output and quality effortlessly.



FEATURES

- > Accepts 800, 900, and larger tools from most of the major machines builders and 3rd party tooling providers
- > Full access vertical doors on the front and back side
- > Tool loading
- > **Modular** — can add additional stations over time (punch, print, padding, labeling)
- > Robust steel chain rail assembly
- > Center toggle-driven station
- > Forming area available up to – 890mm x 1016mm (35" x 40"), largest in the market
- > Designed to accept existing tools designed for competitive offerings
- > Innovative and safe tool change
- > NXT is configured to run virtually any material
- > System will be enabled with additional sensors and vision for future upgrades to AI



Shaping next.



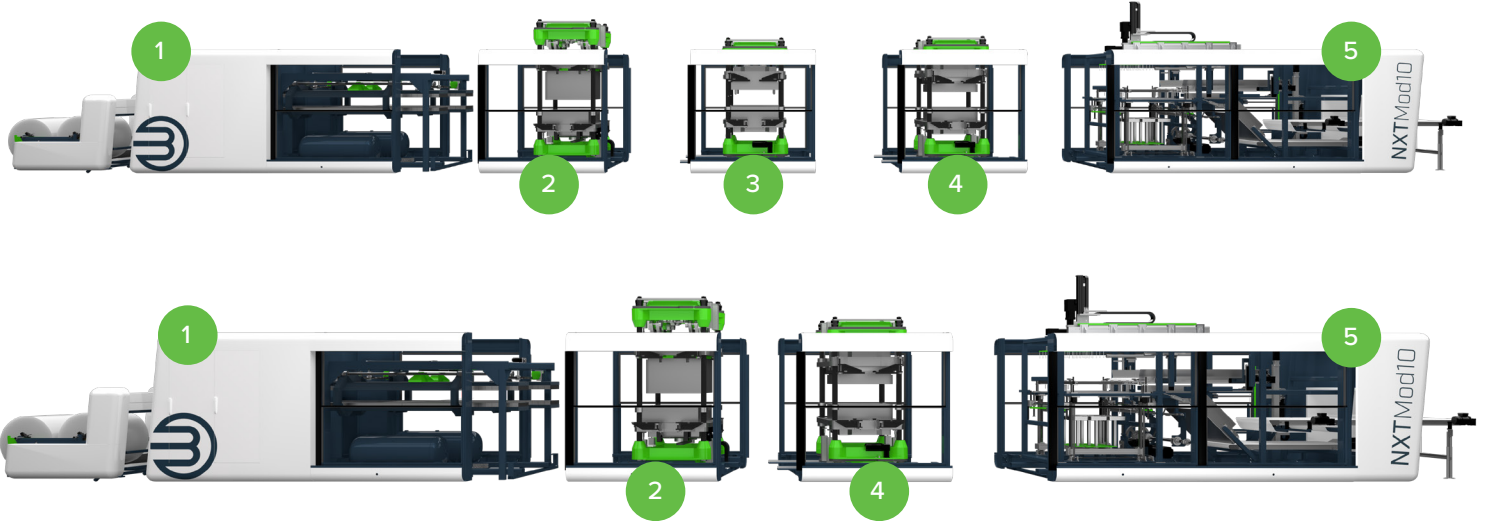
Seeing is believing.

See the BMG NXTMod10 modular thermoforming solution in action.

NXTMod10

Truly Modular Design.

Our **modular solution** is bespoke with best-in-class innovation, with the largest forming area in its class and paired with best-in-class cycle rates



The mastery of modular engineering.

The modular design of our system comes with several benefits. First, it reduces installation and set-up time on the production floor. This efficiency is especially valuable for minimizing disruptions and ensuring a swift integration into your workflow. Additionally, the design allows for easy installation on uneven production floors, accommodating various work environments. **The modular nature further enhances flexibility, as modules are specifically designed to be easily added or removed, offering a “plug-and-play” capability that aligns with your evolving production requirements.**

Modular Design Benefits

- Reduced installation and set-up on the production floor
- Allows for ease of installation with uneven production floors and leveling of equipment
- Modules are designed to be easily added or taken away “plug-and-play” depending on your production needs

Modules:

- > **Module #1** Chain Rail Assembly & Oven (3- or 4-stop oven with Patent Pending Space Saving Oven)
- > **Module #2** Form Station (150 Ton)
- > **Module #3** Trim Station (150 Ton)
Module #3 - Offers complete flexibility whether it be a Pad Inserter, Printer, Labeler, etc.
- > **Module #4** Punch Station (150 Ton)
- > **Module #5** Robotic Pick Assembly



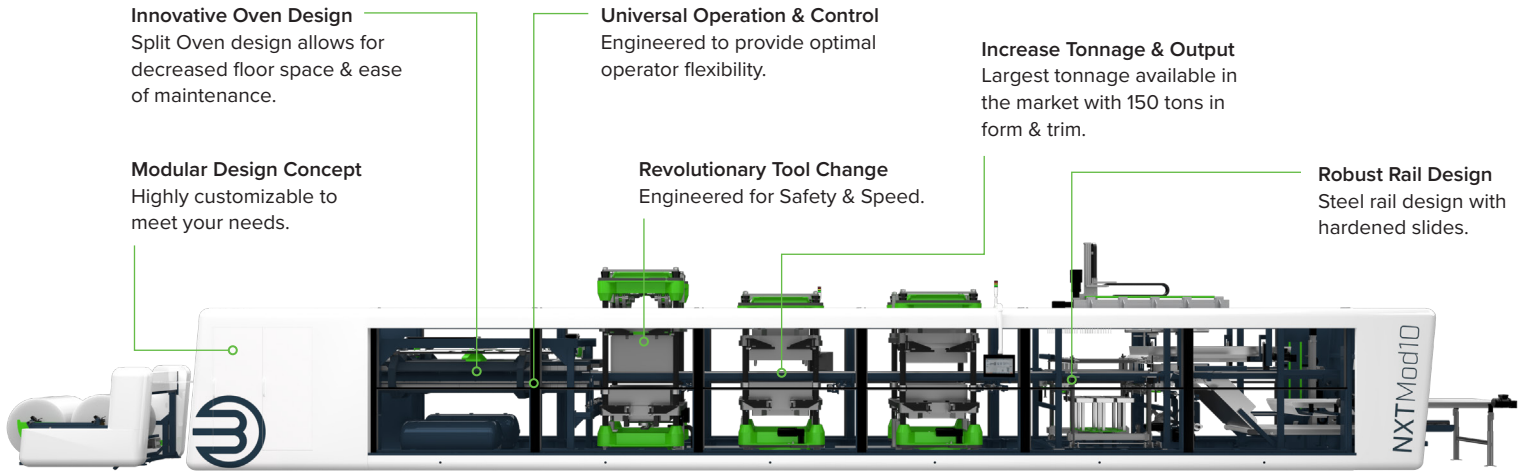
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NXTMod10



Innovative Oven Design
Split Oven design allows for decreased floor space & ease of maintenance.

Modular Design Concept
Highly customizable to meet your needs.

Universal Operation & Control
Engineered to provide optimal operator flexibility.

Revolutionary Tool Change
Engineered for Safety & Speed.

Increase Tonnage & Output
Largest tonnage available in the market with 150 tons in form & trim.

Robust Rail Design
Steel rail design with hardened slides.

Forming Station		Cutting Station		Punching Station	
Moving beam stroke	180mm (7.086)	Moving beam stroke	180mm (7.086)	Moving beam stroke	180mm (7.086)
Toggle System	Centered toggle design	Toggle System	Centered toggle design	Toggle System	Centered toggle design
Tonnage required	150 US tons	Cutting capacity	150 US tons	Tonnage required	150 US tons
In Mould Cut system	150 US tons	Beam parallelism	0.02mm	In Mould Cut system	0.02mm
Forming Area	890mm x 1016mm (35" x 40")	Tool alignment feature	Pneumatic, pin(s)	Forming Area	outside of the chain rail as part of tool
Beam parallelism	0.02mm	Knife heater	Top standard and bottom optional	Beam parallelism	Top standard and bottom optional
Clamp frame	Yes (option)	Top beam height adjustment	Servo driven stroke 82-262mm	Clamp frame	Servo driven stroke 97-262mm
Plugging	Standard: Top servo plug Optional: Bottom servo plug	Bttm beam height adjustment	Optional, 197-303mm	Plugging	Optional, 197-303mm
Tool alignment feature	Pneumatic, pin(s)	Y(TD)/W(rotation) Station Position Adjustment	Optional, Servo driven Y-stroke= 6mm each way W-angle= 1.5deg each way (total of 3deg)	Tool alignment feature	Optional, Servo driven Y-stroke= 6mm each way W-angle= 1.5deg each way (total of 3deg)
Auto tool clamp system	Yes	<small>NXT provides increased flexibility to run a host of various products...</small>		Auto tool clamp system	
Air product ejection	Yes	X(MD) - Station Position Adjustment	Yes, servo	Air product ejection	Yes, servo
Mechanical product ejection	Yes, use clamp frame or mechanical tool ejection	Strain Gauges	Yes, standard	Mechanical product ejection	Yes, standard
Top beam height adjustment	Motor driven with 268-705mm stroke	Pre-Punch Slug Evacuation	N/A	Top beam height adjustment	Yes, designed to be evacuated through lower platen
Bttm beam height adjustment	No			Bttm beam height adjustment	
Tooling actuator valves	Qty 2			Tooling actuator valves	
Strain Gauges	Standard			Strain Gauges	

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



Shaping next.

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