



# Bodymaker



Utilizing a Hypocycloid Main Drive the Belvac Bodymaker Produces Superior Can Quality With Low Tear-off Rates, Continuously Operating up to 400 CPM

## Key Benefits

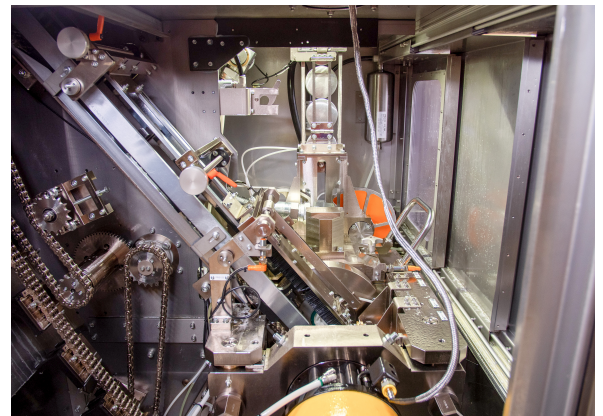
The Belvac Bodymaker is a compact design, utilizing hypocycloid main drive which features no vertical movements and low ram deviation, continuously operating up to 400 CPM. Quality, reliability, and accuracy are the foundation for this state of the art design. Unlike other models, the Belvac Bodymaker has low vibration resulting in no foundation requirements.

The hypocycloid main drive utilizes symmetrical acceleration patterns, which balances the machine both statically and dynamically generating an exact straight line motion. The largest benefit being low ram deviation which results in superior can quality marked by low tear-off rates, and accurate body wall thickness.

The Bodymaker is equipped with many features to facilitate low maintenance. Reduced oil consumption attributed to minimizing leak paths in the design and properly maintained ram and shaft seals.

## Features

- Hypocycloid Transmission
- No Foundation Requirements
- Low Vibration
- Lower Oil Consumption
- Low Tear-off Rates
- Accurate Horizontal Motion
- Increased Ironing Die Life
- Quick-Change Capabilities
- Continuously Operating up to 400 CPM



Reduced contamination of the coolant requires the change out frequency to be significantly reduced, saving downtime. Increased ironing die life is another feature which adds value and reduces replacement related maintenance costs and downtime.

The stainless steel CE rated guarding is resistant to die coolant corrosion, making it resilient and meeting all required CE codes.

The two sliding doors on the tool pack side, and large viewing window on the ram drive side, give high visibility and facilitate easier access for maintenance.

The BM24 model has a standard diameter range of 200 (50.8 mm) to 211 (66.2 mm) and the BM30 model ranges from 204.5 (57.9 mm) to 305 (84.1 mm).

Technical Specifications			
	BM24	BM30	
Machine Dimensions	Length	167" (4242 mm)	190" (4826 mm)
	Width	85" (2157 mm)	88" (2229 mm)
	Height	80" (2040 mm)	80" (2040 mm)
	Weight	16,000 kg	20,000 kg
Can Diameter Range	200 (50.8 mm) to 211 (66.2 mm)	204.5 (57.9 mm) to 305 (84.1 mm)	
Rated Speed	400 CPM	350 CPM	
Stroke	23.93" (608 mm)	30.2" (768 mm)	
Main Motor	75 Kw (100 HP)	90 Kw (120 HP)	
Drive Mechanism	Hypocycloid Gear Drive		
Ram Bearing	Hydro-Dynamic (Standard)		
Control System	PLC		
Guarding	Integrated Stainless Steel Guarding		