



Canformer CFT400

Body Maker/Trimmer Combination Machine



Belvac offers state-of-the-art technology in the design & manufacture of our new body maker, trimmer combination.

Key Benefits

The CFT 400 offers the most cost effective and highest achievable performance solution in the industry. Quality, reliability, accuracy, and performance are the foundation for this state of the art Body Maker/Trimmer Combination Machine. The CFT 400 is designed for low maintenance costs; with dynamic balance for less vibration and a linear transmission for less ram drop. As a result there is no need for a special foundation. The CFT 400 produces a can body that has a precise and accurate body wall thickness with an extreme low level of tear offs. Lower running costs stem from longer tool life, less oil consumption and low maintenance costs.

The Trimmer does not require a dedicated infeed starwheel as cans are directly fed to the turret. It has a simplified belt drive and clutches are no longer required on the knife spindles. The fully adjustable manifold pushplate vacuum reduces any waste in utilities. The trimmed can is essentially burr-free.

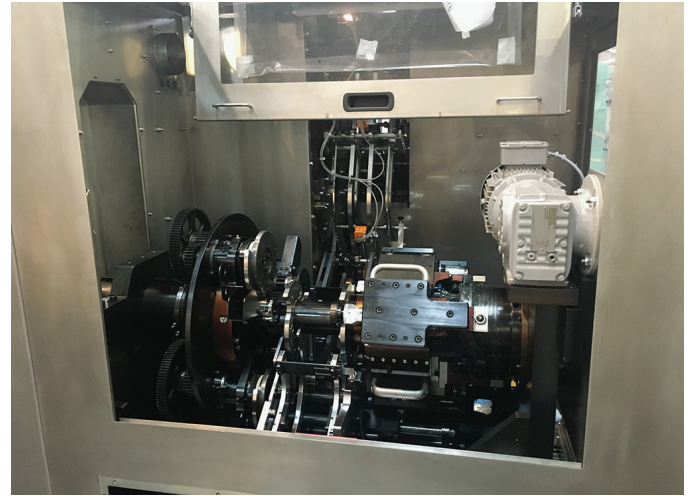
Features

- Hypocycloid Transmission
- No Foundation Requirement
- Less Vibration
- Lower Total Operation Cost
- Increased Ironing Die Life
- Reduced Frequency of Seal Pack Changes
- Reduced Oil Consumption
- Reduced Tear Off Rates
- Advanced Integrated Trimmer
- Produces a Virtually Burr Free Trimmed Can
- Incorporates "Quick Change" Feature for Height and Diameter
- Reduced Quantity of Change Parts for Height and Diameter
- Up to 400 Cans Per Minute

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The Trimmer has simplified height changes, similar to Belvac Quick Change Necker systems: All three trimmer cartridges can be adjusted for a new trim height simultaneously by means of a feed screw. Infeed and discharge rails may be slid to new positions without removal, and chucks are not replaced when the chime of the can remains the same.

Diameter changes have been simplified: No drive change parts are required. The same inner spindle assembly is used for all can diameters, and spindle gears remain the same when the can diameter changes. Infeed and discharge assemblies are designed to be lifted off without disassembly and replaced with another track assembly.



Technical Specifications		Canformer CFT 400
Can Diameter Max		211
Can Diameter Min		202
Trimmed Can Height		76.2 mm [3.00 in] to 254 mm [10.00 in]
Height Variation Per Can Population		±0.05 mm [0.002 in]
Parallelism of Trimmed Edge to Stand Diameter Plane		0.002
Toolpack Length Max		260 mm
Untrimmed Can Length Max		185 mm
Machine Speed Max		400 spm*
Machine Weight		18.000 kgs/without Trimmer
Bottom Stand Diameter Flatness		Must be within 0.025 mm [0.0010 in]
Max Allowable Punch Diameter Range		of 0.127 mm [0.005 in]; Nominal P.D. ±0.063 mm [0.0025 in]
Nominal Thick Wall		Nominal ±0.063 mm [0.0002 in]
Max Allowable Thick-Wall Variation		<i>Any single container:</i> 0.010 mm [0.0004 in] <i>Nominal average T.W.:</i> ±0.005 mm [0.0002 in]
Max Allowable Roll Back Thickness		0.38 mm [0.015 in] radially
Untrimmed Can Height Range		80.95 mm [3.187 in] to 273.05 mm [10.750 in]
Diameter Range		Ø52 mm [Ø2.05 in] to Ø87.5 mm [Ø3.44 in]
Minimum Untrimmed Can Height =		Trimmed Can Height + 4.75 mm [0.187 in]
Maximum Untrimmed Can Height =		Trimmed Can Height + 19.05 mm [0.750 in]
<i>Required Utilities</i>		
Electrical	Drive:	400 V/460 V, 3-phase, 50 or 60 Hz, 15 A
	Control:	24 V
Compressed Air Supply	High (control):	0.94 l/s [2 SCFM] at 5.5 bar [80 psi] minimum
	Low (process):	3.78 l/s [8 SCFM] at 0.69 bar [10 psi] minimum
Turret Vacuum		8.5 l/s [18 SCFM] at 635 mm Hg [25 in Hg] minimum (measured at can chucks)
Scrap Duct Vacuum		472 l/s [1000 SCFM] at 518 mm H ₂ O [20 in H ₂ O] (measured at scrap duct discharge)

*production speed dependent on can size, cup quality, lubricant/coolant and tooling