



The MAUSER BM 201 COEX. For the Production of Plastic Packaging from 60 up to 250 Liters.

Single-station high performance extrusion blow molding machine. State-of-the-art blow molding technology. Three and four layers technology available.

MAUSER Blow Molding Machine BM 201 COEX

The MAUSER BM 201 COEX blow molding machine is mainly used for the production of big size plastic packaging such like the patented MAUSER L-Ring and Open Top drums. According to the market requirements this machine can be customized by optional systems accessories, like fully automated deflashing, weighing, leaktesting, etc..

Besides supplying the blow molding machine, blow molds and peripheral production equipment, MAUSER makes available to partners a profound Know-How based on many decades of experience as a packaging producer and market leader in blow molding technology.

Your benefit

- Outstanding performance, productivity and reliability
- High productivity, up to 45 parts per hour with aftercooling Equipment (220 l Open Top drum)
- Fully automatic in-line production possible
- Top production flexibility through outstanding multilayer extrusion technology
- Advanced security systems for safe operation
- Easy operation and maintenance, long service life

Technical data

Product Volume ¹⁾	liters	60 – 250
Output ¹⁾²⁾⁵⁾		up to 45 pcs/h
Options:	others than indicated on request	

Extruder

With grooved feeding zone and barrier screw with mixing tip. Suitable for processing HMW-HDPE as coarse powder or pellets.

Number of extruders	pcs.	3	4
Screw diameter/ length	mm	2x 60/ 33D / 1x 120/ 30D	2x 60/ 33D / 2x 90/ 32D
Electric drive power range	kW	44 each / 132	44 each / 90 each
Screw speed range	rpm	12 – 100 / 5 – 55	12 – 100 / 8 – 75
Melting capacity ²⁾	kg/ h	125 each / 450	125 each / 250 each
Heating zones	pcs.	4 each	4 each
Heating capacity ³⁾	kW	12 each / 40	12 each / 30 each

Continuous Extrusion Head

Helix distributor, first in/ first out principle with multiple overlapping melt distribution system. Parison forming by axial and radial wall thickness control.

Number of layers	pcs.	3	4
Die diameter	mm	150 – 290	150 – 290
Heating zones	pcs.	6	6
Heating capacity ³⁾	kW	60	70

Clamping Unit

3-platen system connected by four tie bars with 2 clamping cylinders. Designed for carrying extra heavy molds, long service life and precise mold closing.

Clamping force (at 150 bar)	kN	750
Max. mold dimensions (WxHxD)	mm	850 x 1,490 x 1,100
Min./max. opening between platens	mm	790 / 1,590

Accumulator Hydraulic Unit

Easily accessible accumulator hydraulic power system, with separate pump for oil cooler and bypass filter system.

Proportional valves for excellent reproducibility of machine movements. Servo valves for wall-thickness control system WDS and PWDS.

Tank volume	liters	600
Op. pressure clamping unit	bar	150
Op. pressure for servo control (parison forming)	bar	100
Electric drives hydraulic ⁴⁾	kW	32

Machine Control System and Human Machine Interface (HMI)

Decentralized installation of control cabinets. Cabinets built according to IEC standards with VDE approved parts.

PLC: Siemens. Visualization: Siemens WinCC. Axial/ radial wall thickness control: 128 points controller

Energy Requirements ³⁾

Air ⁵⁾	m ³ / min	3	3
Cold water ⁵⁾	m ³ / h	45	45
Electric drives/heating	kW	252/124	300/154
Total connected load	kW	380	460
Average consumption ⁵⁾	kWh	228	276

Space Requirements ³⁾

Width	mm	7,000	7,000
Length	mm	10,000	12,000
Height	mm	8,500	8,500

1) Depending on mold design and product

2) Depending on raw material

3) Approximate values

4) Depending on the type of head, resp. hydraulic system

5) Depending on process conditions

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