

## ► 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 Packaging Solutions BM 201 COEX blow molding machine is mainly used for the production of big size plastic packaging like the Mauser Packaging Solutions 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, ect...

Besides supplying the blow molding machine, blow molds and peripheral production equipment, Mauser Packaging Solutions 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 features

Product volume <sup>1)</sup>	liters	60 - 250
Output <sup>1) 2) 5)</sup>		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	2 x 60 / 33D / 1 x 120 / 30D	2 x 60 / 33D / 2 x 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 <sup>2)</sup>	kg/h	125 each / 450	125 each / 250 each
Heating zones	pcs.	4	4 each
Heating capacity <sup>3)</sup>	kW	12 each / 40	12 each / 30 each

### Extrusion Head

Helix distributor, FIFO principle with multiple overlapping melt distribution system. Parison forming by axial and radial wall thickness control. PWDS as option.

Number of layers	pcs.	3	4
Die diameter	mm	150 - 290	150 - 290
Heating zones	pcs.	6	6
Heating capacity <sup>3)</sup>	kW	60	70

### Clamping Unit

3-platen system connected by four tie bars with two 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 PDS or PWDS.

Tank volume	liters	600
Op. pressure parison ejection + clamping unit	bar	150
Op. pressure servo control (parison forming)	bar	100
Electric drives hydraulic <sup>4)</sup>	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 <sup>3)</sup>

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

### Space Requirements <sup>3)</sup>

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 the values of this data sheet are for information only and not binding. Alterations reserved.

## Comprehensive quality assurance

Mauser Packaging Solutions is certified according to ISO 9001 and ISO 14001 standard. Our company's production processes are subject to constant quality control as well as external monitoring in regard to development, production, sales and services of blow molding machines.

## The individual blow molding solution

Besides supplying our standard high performance blow molding machines, Mauser Packaging Solutionexperts are always ready to engineer tailor-made blow molding production lines including all peripheral equipment. Individual blow molding solutions for you and your specific requirements. **Ask us! We would be happy to advise you.**

## Mauser Packaging Solutions

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