SBM 21 Extrusion Blow Molding Machine

For the Production of High Quality Plastic Packaging from 20-30 Liters

- Single station high performance extrusion blow molding machine
- State-of-the-art blow molding technology
- Single layer, continuous extrusion technology
Mauser Packaging Solutions Blow Molding Machine SBM 21

The SBM 21 blow molding machine is mainly used for the production of high quality jerrycans from 20 up to 30L volume. According to the market requirements this machine can be customized by optional systems accessories, like fully automated weighing, leak testing, etc.

Your benefit
- Outstanding performance, productivity and reliability
- Top product quality through outstanding extrusion technology
- Standard wall thickness control by WDS and SDDR
- Easy to use control system (Beckhoff PC based technology)
- Remote service via Internet

Highlights
- Cooperation between Sabmann Blasformtechnik Thailand and Mauser Packaging Solutions MaschinenTechnik Germany
- SABMANN and Mauser Packaging Solutions both certified according to ISO 2001:2008
- Best-in-class blow molding technology

Technical features

<table>
<thead>
<tr>
<th>Blow molding machine type</th>
<th>double station, single head SMB 21</th>
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<tbody>
<tr>
<td>Product volume</td>
<td>liters 20-30</td>
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<tr>
<td>Machine Output</td>
<td>pcs/h (at 20 l, 1,000 g) &gt;100</td>
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<tr>
<td>Options</td>
<td>others than indicated on request</td>
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Extruder

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

- Screw diameter/length mm/90/30D
- Mixing tip Mauser Packaging Solutions MMS
- Melting capacity kg/h >250
- Electric drive kW 95
- Heating capacity kW 30

Extruder Head C1

- Single layer continuous extrusion head with double heart curve melt distribution system.
- Parison forming by WDS/SDDR system. PWDS as option. View stripe as option.

- Die diameter mm 120-200
- Heating capacity kW 25

Clamping Units

- 3-platen, 4 tie bars system with one clamping cylinder each. Designed for carrying extra heavy molds, long service life and precise mold closing.

- Clamping force kN 300
- Mold length mm 700
- Mold width mm 2 x 225
- Mold depth mm 740
- Mold opening stroke mm 400

Extruder Control System and Human Machine Interface (HMI)

- Beckhoff PC technology. SABMANN TwinCal based software. Ethernet interface for remote service. Axial/radial wall thickness control: 100 points

Hydraulic Unit - Rexroth

- Easily accessible hydraulic power pack.

- Operating pressure clamping unit bar 200
- Operating pressure servo control (for parison forming) bar 120
- Electric drive hydraulic power pack kW 36

Energy Requirements

- Air Nm 3/min 2
- Cold water m³/h 20
- Electric drive/heating kW 117/55
- Total connected load kW 185
- Average consumption kWh 92

Space Requirements

- Width mm 4,600
- Length mm 7,500
- Height mm 5,400

Comprehensive quality assurance

Mauser Packaging Solutions is certified according to ISO 9001 and ISO 14001 standards. 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 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.

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