

MULTIMATIC S/SG

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Dough dividing and moulding machine 20.02.2008

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Dough dividing machine

Dividing ranges **S _ 35–85 g per piece** **SG _ 35–150 g per piece**

Twin piston **SG _ 25–52 / 25–65 / 35–150 g per piece**

Output–6 rows **max. 12,000 pcs. per hour**

The head machines of the MULTIMATIC series were put onto the market for the first time in the year 1985 and, since then, they have been upgraded at regular intervals to match latest developments. The fundamental desire to build a machine that is as close as possible to processing by hand has remained. This is achieved by an integrated drum moulding system, the linked long moulding method and regulated moulding belt flour dusting.

The pressure of the delivery piston is regulated by a hydraulic system to adjust to all ranges of dough handling. Influence on the dough structures is largely avoided. Modern materials such as Teflon and plastics are used to ensure that processing is stress-free. The machine's operating belt width is regulated flexibly by a modern control system with frequency converter technology. This also makes it possible to control any range of secondary units.

Machines from the MULTIMATIC series are used all over the world. They are distinguished by their wide range of possibilities for use, high weight precision, solid design, tried and tested technology and long service life. Wherever quality is required, they are the ideal machines within their performance range – last but not least because of our "tracking design" which makes it possible for regular adjustments to suit changing demands.

The performance of the machines is approx. 2,000 pieces per row and a weight range from 35-85 g or 35-150 g.



- _ Drum moulding principle similar to processing by hand
- _ Patented twin piston system
for careful dividing of all weight ranges
- _ Exchangeable chamber drums ensure optimum moulding chamber size
for the complete weight range
- _ High weight precision
- _ Adjustable hydraulic operating pressure
- _ Hydraulic assisted dividing system drive
- _ Dough-handling parts removable without tools
- _ Drive parts in separate, dust and spray-water protected range

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Weight range

- 1. 35 – 85 g = MUS
- 2. 35 – 150 g = MUS-G
- lower weights (e.g. 25 g) on request

Performance

628 – 2,027 pcs. per hour
per row

Dough

Wheat dough
Wheat mixed dough
Rye mixed and special dough

Products

Round dough

Dimensions (without spreading belt)

Height 1,860 mm
Width 1,360 mm
Length 1,250 mm

Modules

Range of various chamber drums for exact adjustment to dough piece weight

Interfaces

- WP Multiroll
- WP Rollboy
- WP Formmeister
- WP Rollmeister
- WP Selecta
- Competitor systems

Technical Data

	MUS	MUS-G
Drive motor	1.5 kW	1.5 kW
Connected load	2.3 kVA	2.3 kVA
Dough input height in mm	1,860	1,820
Dimensions in mm		
Without spreading belt (top edge funnel)	1,360 x 1,250 x 1,860	1,360 x 1,250 x 1,860
in carton	1,480 x 1,480 x 2,120	1,480 x 1,480 x 2,120
in sea chest	1,450 x 1,450 x 1,900	1,450 x 1,450 x 1,900
Dividing range		
Measuring piston Ø 50 mm (Standard)	35 – 85 g (on request up to 95 g)	
Measuring piston Ø 44 mm	30 – 75 g (ideal at 60 g)	
Measuring piston Ø 40 mm	25 – 65 g	
Measuring piston Ø 55 mm		55 – 150 g
Twin measuring piston Ø 36/55 mm		25 – 52 g / 55 – 150 g
Twin measuring piston Ø 40/55 mm		25 – 65 g / 55 – 150 g
Performance range max. per row*	628 – 2,027 Stck. / h	628 – 2,027 pcs. per hour

* depending on dough piece weight

Twin piston system



Features

- **Hydraulic pressure adjustable from outside**
Typical baking structures are retained; gentle on dough
- **Computer control with digitalised control panel**
User friendly, exact settings, reproducible production process
- **Two cleaning positions with automatic start**
Simplified cleaning / time gain
- **Step-by-step adjustable belt tension**
Optimum moulding result even with differing product weights
- **Main drive and moulding drive frequency controlled**
Product-related output control
- **Adjusting transfer height of moulding belt to spreading belt**
Production reliability adjustable to spreading belts even with large product range
- **Ground clearance adjustable**
Problem-free integration with following units
- **Transport piston drive with counter-bearing**
Long service life
- **Motorised weight adjustment (option)**
Communication possible with following units

