

Motova 300

Motova 300 – The automatic vacuum mixing unit of a new generation

An overview of the highlights:

- ◆ Automatic mixing with pre-programmed or individually stored mixing parameters
- ◆ Vacuum mixing bowls are fixed to the agitator coupling by means of a vacuum, this eliminates the cumbersome coupling to the mechanical holding device
- ◆ Rotational speed, direction of rotation and mixing time can be freely set for initial spatulation, mixing and post-evacuation
- ◆ Allows universal use for investment material, plaster, stump material or duplicating silicone
- ◆ Air bubbles are avoided in the mix through the optimal vacuum output of max. 100 mbar and the development of boiling bubbles is prevented
- ◆ 4 bowl sizes from 250 to 1,200 ml are available for selection – made of sturdy transparent plastic
- ◆ Automatic mixing avoids errors and ensures reproducible results; mixing parameters for almost all BEGO products are already pre-programmed
- ◆ Especially user-friendly menu operation through 3-button control, 2-line self-explanatory display with presentation of the product name
- ◆ Spatula and mixing bowl geometry have each been optimized for the investment material and the duplicating silicone processing
- ◆ Choice of wall-mounted or bench unit with attractively designed tabletop stand



Automatic mixing provides guaranteed and reproducible results

The employment of pre-programmed mixing programs is required to achieve a guaranteed mixing quality and standardized results. The Motova 300 already stores all program parameters for BEGO investment materials, plasters and duplicating silicone materials in memory. In addition, other individual or specified mixing programs of the material supplier can be easily programmed with a 3-button control. The requested product name appears then in the display with its clear layout. The vacuum fixes the mixing bowl on the agitator coupling; the cumbersome coupling to mechanical holding devices becomes obsolete.

The automatic filter monitoring feature of the Motova 300 reminds the user of the timely filter replacement.

The mixing program

Special attention has been paid to an easy programming capability. All mixing parameters can be set for good mixing results using only 3 function buttons. An acoustic signal alerts the dental technician of the end of the mixing process.

The program parameters rotational speed, direction of rotation and mixing time can be set independently. The mixing program should always focus on the chemical and physical properties of the mixing material;



it has already been optimally set for BEGO products. The pre-programmable program segments consist of initial spatulation, mixing and post-evacuation. Depending on the manufacturer's specifications, the different program steps are set in such a manner, that the mixing material leads to the planned results while utilizing optimal mixing power.

Mixing tool

A 2-line display serves the communication between operator and machine. All relevant informations are shown in plain text. Special attention has also been paid to the material-specific requirements of the mixing material when designing the geometry of the spatula and the transparent mixing bowl. Mixing spatula and bowls for investment material and plaster as well as silicone were optimized individually. This avoids undesirable compromises and guarantees optimal mixing quality of the different materials.

Different sizes of mixing bowls are available – 4 sizes for investment materials and plasters, from 250 to 1,200 ml and 3 sizes for silicone, from 550 to 1,200 ml.

The 1,200 ml mixing bowl allows the mixing up to 800 g investment material – a quantity for 2 partial denture moulds.

Optimal vacuum and high-torque stirring power

Regardless of the volume of the mixing material, the control electronics have been designed in such a way that rotational speed and vacuum are always kept in the green range. With the process parameters set, the mixing material is mixed reliably and free of bubbles. Boiling bubbles are also prevented and the mixing result is therefore not jeopardized. The vacuum is generated by a powerful maintenance-free dual-chamber diaphragm pump.

Workplace-specific design

The modern design of the Motova 300 corresponds to the demands of a dental laboratory. The compromise between sturdy and shapely components of metal and plastic has produced a successful design of the unit and will even withstand the high strain of everyday use in a dental laboratory.

The Motova 300 can be operated as a wall-mounted unit or with a sturdy tabletop stand.

Motova 300	
Technical data:	
Height	310 mm
Width	210 mm
Depth	330 mm
Rated voltage	230 V, 50/60Hz
Special voltage	110 V, 50/60Hz
Power at rated voltage 230 V	560 W
Vacuum pump: Pump capacity	20 l/min
Number of mixing programs	50
Number of programmable sections per mixing program	10
Programmable time per section	0 to 255 seconds
Vacuum capacity	approx. 100 mbar
Stirring speed	100 to 600 min ⁻¹
Weight	14.5 kg
CE	

Availability and Accessories:	Order-No.
Motova 300 230 V, 50/60 Hz with 550 ml vacuum mixing bowl incl. quick-action coupling, wall mount	26270
Accessories:	
Benchtop	16270
Vacuum mixing bowl M 250 ml (investment material and plaster)	16271
Vacuum mixing bowl M 550 ml (investment material and plaster)	16272
Vacuum mixing bowl M 835 ml (investment material and plaster)	16273
Vacuum mixing bowl M 1,200 ml (investment material and plaster)	16274
Vacuum mixing bowl MS 550 ml (duplicating silicone)	16275
Vacuum mixing bowl MS 835 ml (duplicating silicone)	16276
Vacuum mixing bowl MS 1,200 ml (duplicating silicone)	16277

Subject to modifications in design, scope of delivery and composition. Whether given verbally, in writing or through practical instructions, our process-related data and recommendations are based upon our own experience and trials and can only be regarded as standard values. Status as at: 22.02.05.

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