



Blending Vessels

for MultiBlend - MB100



Pharmatech

Innovation in Pharmaceutical Engineering

Multiblend®
MB100

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MB100 Laboratory Powder & Granule Blender



The Pharmatech MultiBlend® MB100 is a laboratory scale batch blender that can handle containers from 0.1 litre up to 100 litres in size. The MB100 is the perfect tumble blender for mixing powders and granules during formulation development and for small scale production work.

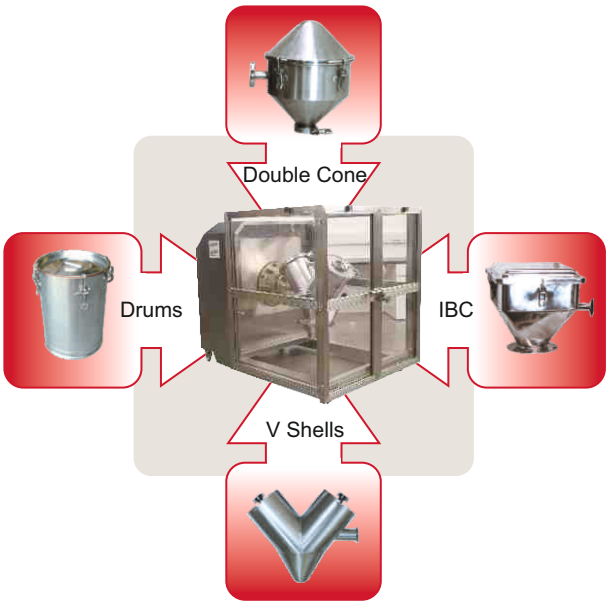
Pharmatech have many years of supplying the pharmaceutical industry and the MB100 blender is constructed to be GMP correct. The MB100 is designed for use in pharmaceutical and other hygienic environments (eg. in the food and cosmetic industries).

Container Shapes

Like all MultiBlend® blenders the MB100 features the Quick-Change facility where the blending container can be quickly removed and replaced with another. Various shapes of interchangeable removable mixing containers are available, including:

- Drums (barrels)
- IBCs (bins or totes)
- V-shells (Vee cones, Y-cones, twin shells)
- Double Cone

The Quick-Change system allows mixing containers to be changed without the need to use any tools.









Pharmatech 4-6 Forge Mills Park, Station Road, Coleshill, Warwickshire UK B46 1JH Tel: +44 (0)1675 46 76 36
US/Canada Toll Free: 1-855-336-3355 www.pharmatech.co.uk

Multiblend®
MB100



Clam Shell Version

As an option to sliding guards we can also offer a version with clam shell doors hinged from the chassis. Ideal for ATEX rated application where large areas of plastic used in sliding guards are not allowed.



Operator Controls

The Pharmatech MB100 is supplied with easy to use touch sensitive colour HMI Controls as standard. HMI features include

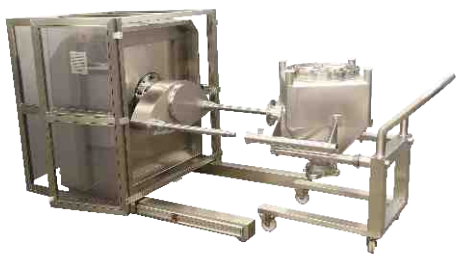
- 5.7" Colour Screen
- Allows the operator to input blend parameters such as blend time and blend speed
- Provides operator guidance instructions, machine status and error message pop ups



Printer

Our standard printer can handle standard labels or self adhesive labels.

Our standard paper has a warranted legible print life of 25 years.



Quick Change Of Blending Vessels

The quick change system is designed for operator comfort. Vessels greater than 20L are moved using a trolley whilst smaller vessels are attached to the drive units via adapters. Vessels maybe attached using a clamp band, or using universal arms as shown.

Ask for our Datasheet on blending vessels to be used with this machine.

ISO 9001
REGISTERED FIRM

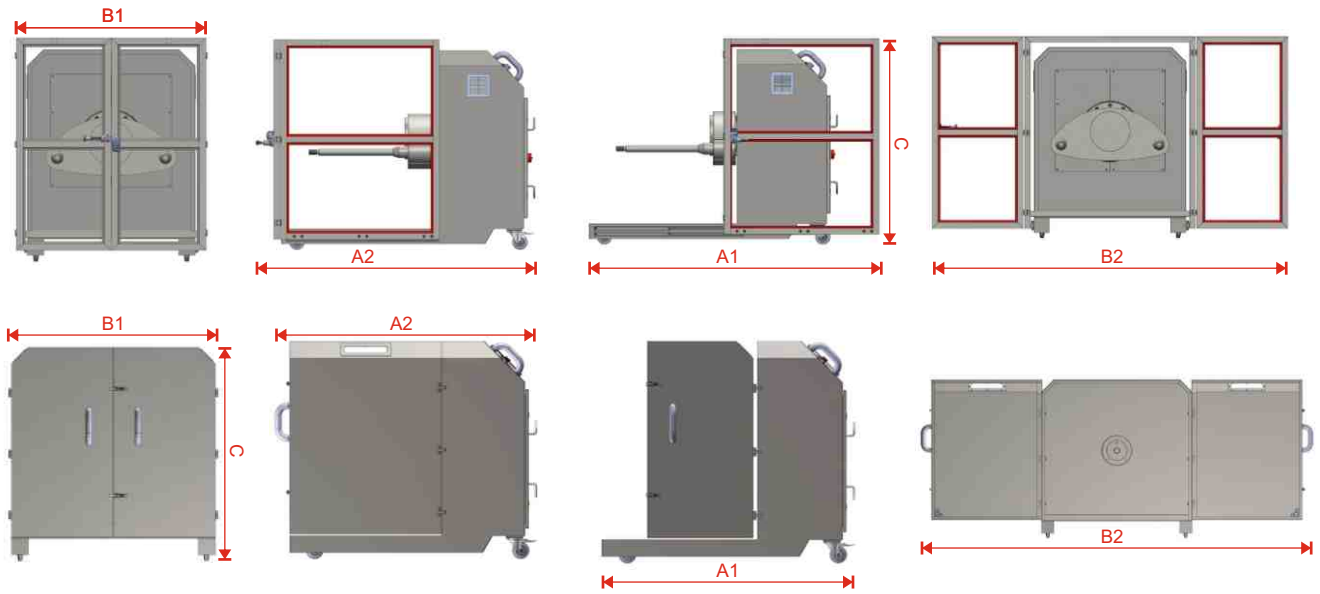
Certificate No. GB 17833

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Technical Details



Dimensions			Sliding Guard	Clam Shell
A	Length -	Guard Open A1	1940	1500
		Guard Closed A2	1830	1580
B	Width -	Closed B1	1195	1285
		Door Open B2	2440	3250
C	Height		1380	1310
Max. Rotation Radius			500	500
Weight (No Vessels)			630kg	610kg
Max. Vessel Length			950	950

Power Supply		230V 50Hz 1 phase*
Motor size		0.75kw
Speed Range		3 - 30 RPM
IP Rating	Control Panel	65
	General	54
Useful Turning Moment		100Nm
Blending Containers Range		0.1 - 100 litres
Capacity (Product & Vessels)		125 kg

* Special voltages on request - ask for details

Standard Features

- All stainless steel construction
- GMP correct design
- Proface Touch Sensitive Colour HMI PLC Controls
- Interlocked safety guard
- Quick change container system
- Vertical Autopark
- CE mark
- Printer

Options

- Other PLC Suppliers
- Non standard voltages
- Validation Documentation (DQ, IQ, OQ & FAT)
- Enhanced control package
- ATEX rating (to any standard) Ex

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Blender Range

AgiBlend Blenders - *AB*

High Shear Mixing within the Blending Container



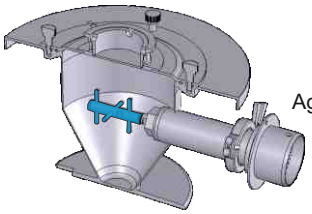
Special AgiBlend AB400 with 75 litre Double Cone

Standard tumble blenders provide a gentle, low shear action. The mixing efficiency within an AgiBlend container is increased by the use of high shear agitator bars.

- High shear, counter rotating mixing bars give an intensive mixing action
- Ideal for potent and highly coloured products
- Any shape of container
- Any size of container
- Option of liquid addition through the agitator bar
- Advanced seal design developed by Pharmatech



Interior of a V-Shell fitted with an Agitator Bar



Blending Container with an Agitator Bar

BlendView Blenders - *BV*

PAT Enabled Blenders for Blending Endpoint Determination

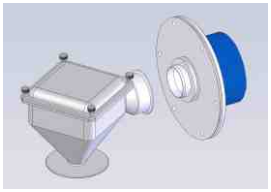
The BlendView system allows the continuous collection of high quality blending data leading to superior analytical accuracy.

The NIR components do not rotate and are protected within the blender frame.

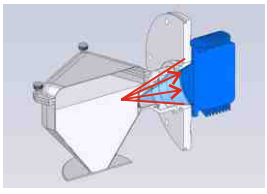
- Real time readouts of your blending process
- The wide spectrum of FT analysis allows more information to be collected. It also allows the tracking of more ingredients
- Suitable for use with fixed shell blenders or machines where the blending container is removable
- Available for all containers from 0.2L upwards
- Software 21 CFR Part 11 compliant



BV030 Blender - the fully integrated laboratory (consisting of onboard spectrometer and PC)



BlendView containers use the Quick-Change system



Cross section showing BlendView principal

Our extensive range:



MB005



MB015



MB030



MB100



MB200



MB400



MB800A



MB1200A



MB2000A

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