



**THE  
MARKET  
LEADER**

Blending & Milling Technology

**Pharma Blender PM |  
Conical Mill BTS | Hammer Mill BTM**



## Benefits:

- Homogeneous blending of dry powder batches
- Patented blending elements
- Blending of 4 – 12,000 liters
- PM can also be used as a milling station for bin to bin transfer
- Small footprint
- Fast and simple installation and low maintenance
- Easy product changeover by exchanging the blending container
- Containment execution as an option

## Bohle Blending Technology

The Bohle blending systems allow homogeneous blending of dry powder batches with its patented blending elements mounted to the inside of the container lid. The blending procedure can be scaled up from 4 – 12,000 liters.

For optimum flexibility, the blending containers can be exchanged to use different volumes if necessary. Due to the patented Bohle blending system each blending container can be used for effective mixing between 20 – 85 % of the total container volume for densities between 0.2 – 1.2 kg/l.

### The Pharma Blender is a Stationary Blending Device, Consisting of:

- PM machine body with load suspension device
- Electrical switch cabinet integrated in machine body.  
A separate installation is optional upon request
- Separate operator panel, 15" Comfort Touch Panel.  
Printer or PDF print as an option
- Safety light barrier or laser scanner as an option

The blending operation is a fully contained and closed process. Each container has an inner lid for filling procedures. An extended hoist allows the blender to be also used as a milling station for bin to bin transfer.



Bohle square blender PM 2400 with an MCG 2000 container and with an MT 1000 container.



## No. 1 in Blending

The range of Bohle blending systems shows the flexibility of our engineering and manufacturing departments. Bohle blenders can be adjusted and used in any imaginable pharmaceutical production situation. No matter what kind of container you use, round and square, Bohle blenders can handle them with excellent blending results.

### Bohle Provides Blenders Featuring a Variety of Different Load Bearing Capacities:

- Standard arm connection and clamps
- Round forks on the lift arm
- Lift arm with eccentric, power and hydraulic clamps

### PM is Capable of Advanced Processes – Blending, Chopping and Liquid Addition:

- Closed system, therefore optimal for containment applications
- No cleaning between batches
- Rotates up to 6 rpm
- Speed increase optionally possible after technical clarification
- Gentle product movement
- Blending baffles in Intermediate Bulk Container (IBC)



### Blending elements

- Square or round containers
- Just rotation, no tumbling
- 20 % to 85 % fill level

### Chopper System

- Chopper is inserted into the 315 mm standard opening of the blending lid
- Chopper is able to intensify blending movement and to break lumps (optimal for very small amount of ingredients)
- Chopper speed approx. 750 rpm
- Automatic coupling for PM 400 – PM 2400





# Hammer Mill BTM



The operator-friendly, modular and compact cGMP design of the BTM guarantees excellent milling results.

## Benefits:

- Particle size < 100 µm
- Screen sizes from 0.1 to 4 mm
- Speed of 600 – 6,000 rpm
- Rotor with hammer and knife sides
- Easy to operate, modular and compact
- Integrated mobile lifting column
- Almost tool free dismantling for very quick product changeover
- Gasket made of PTFE or silicone – cGMP, FDA compliant
- Comfortable control via 7" Touch Panel. User and recipe administration, Batch print out via PDF (USB interface)

# Conical Mill BTS



The Bohle high speed cone mill is a patented unit used for particle sizing of dry or wet products which guarantees finest sieving results.

## Benefits:

- Innovative impeller design
- Speed 150 – 1500 rpm
- Particle sizing of dry or wet products
- Mobile and electrical powered height adjustment
- Production capacities of 2 – 3 tons/hour
- Also available in explosion proof design – according to ATEX guidelines
- Conical perforated screens of different mesh sizes
- Comfortable control via 7" Touch Panel. User and recipe administration, Batch print out via PDF (USB interface)



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