

- ▲ Part of the unique Matcontainer powder process range.
- ▲ Giving quick and efficient mixing of materials directly within the IBC.
- ▲ Incorporates a tumbling device and separate detachable IBC.
- ▲ Cone Valve geometry within the IBC ensures no dead space or pockets.



Production blender
500 ltr to 2500 ltr

IBC Batch Blender

The Matcon IBC Batch Blender provides quick and efficient blending for a complete range of powders and particulate materials directly within the Intermediate Bulk Container (IBC).

The IBC Batch Blender incorporates a tumbling action with a separate removable IBC. The division of the Blender and blending vessel lends itself to efficient blending plus many other advantages.

Homogenous Mix

The IBC is clamped in an asymmetric axis of rotation. The Cone Valve geometry within the IBC ensures no dead space or pockets.

Minimal Degradation

The gentle tumbling action minimizes degradation of the product and meets the most demanding standards.

Elimination of Segregation

The detachable IBC is taken directly to the process, eliminating the need to discharge from the Blender to an intermediate vessel. The mix is then discharged by the IBC Discharge Station in its homogenous form directly to the process, without problems of bridging, ratholing, flushing, segregation or degradation.

Lab scale blender 10 ltr to
150 ltr/0.35 to 5.25 cu.ft.



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WORLDWIDE
OFFICES

WEBSITE

www.matcon-cone.com

UK

(Int.) Tel: (44) 1608 651666
(Int.) Fax: (44) 1608 651635
Email: matcon@matcon.co.uk

NORTH AMERICA

(Int.) Tel: (1) 856 256 1330
(Int.) Fax: (1) 856 256 1329
Email: matcon@matconinc.com

AUSTRALASIA

(Int.) Tel: (61) 2 9708 1888
(Int.) Fax: (61) 2 9791 6188
Email: pacific@matcon.co.uk

FRANCE

(Int.) Tel: (33) 2 9986 0644
(Int.) Fax: (33) 2 9986 0811
Email: france@matcon.co.uk

GERMANY

(Int.) Tel: (49) 7621 970 610
(Int.) Fax: (49) 7621 970 609
Email: germany@matcon.co.uk

BENELUX

(Int.) Tel: (31) 252 535940
(Int.) Fax: (31) 252 535949
Email: holland@matcon.co.uk

SCANDINAVIA

(Int.) Tel: (46) 31 446 670
(Int.) Fax: (46) 31 336 6571
Email: sweden@matcon.co.uk

FAR EAST

(Int.) Tel: (65) 342 2923
(Int.) Fax: (65) 342 0228
Email: singapore@matcon.co.uk

INDIA

(Int.) Tel: (91) 79 644 7792
(Int.) Fax: (91) 79 749 2031
Email: india@matcon.co.uk



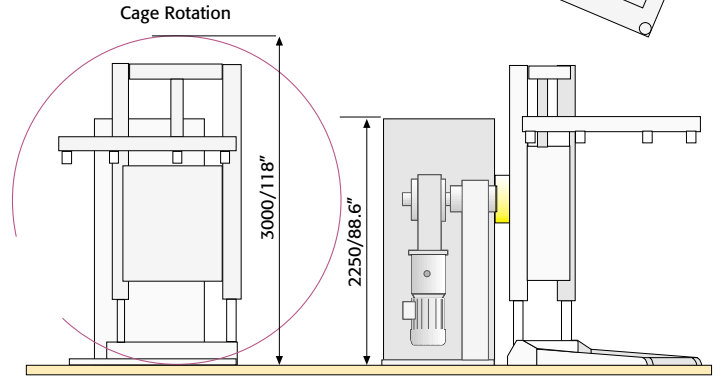
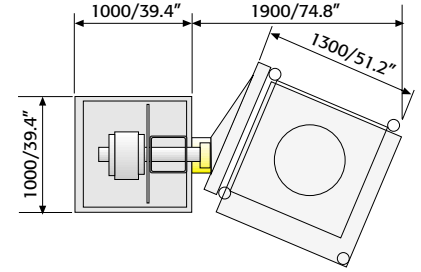
IBC BATCH BLENDER

Principles of Operation

The prepared IBC is loaded into the Blender and is automatically clamped. Once clamped, a safety lock is activated to ensure operator safety.

On starting the blend cycle, the IBC is gradually and smoothly rotated up to full speed within two or three revolutions.

As the IBC is tumbled corner-over-corner on an asymmetric axis of rotation, it causes a complex pattern of particle movement for a homogeneous mix. At the end of the cycle, the Blender is gradually slowed down to an eventual stop and returned to the vertical position.



The blending times and rotational speeds are variable and set at the control cabinet to suit the particular material and mix quality required. The speed is fully variable from 0-30 rpm. For optimal blending the IBC should be approximately two thirds full, though complete effective mixing can often be achieved at lower or higher fill levels.

Specification

- ▲ IBCs 500 to 2500 ltrs/17.5 to 87.5 cu.ft.
- ▲ Max load 2500 kgs/5500 lbs
- ▲ GMP and Validatable
- ▲ Mild or Stainless Steel options
- ▲ (Hazardous area options)

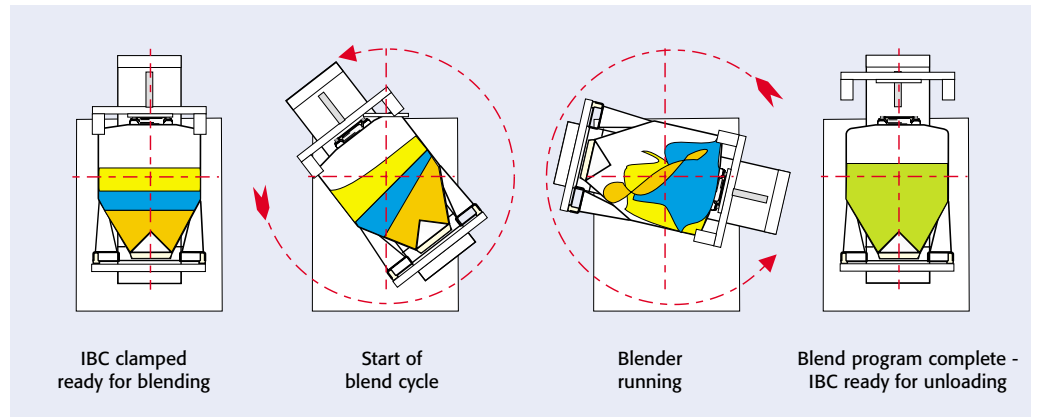
Services

Electrical supply: 400v 3ph 50hz (Europe)
460v 3ph 60hz (US)

Clean Dry Air @ 7bar/100psi

Associated Equipment

Intermediate Bulk Containers (IBCs).



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