

INDUSTRIAL MIXERS



The Ultimate in Grain Care

WHY BDC SYSTEMS?

SALES & DESIGN

We offer a full range of post-harvest equipment from world-leading manufacturers. Our sales team covers the entire UK and Ireland, and are highly experienced in designing and specifying systems for new-build and plant extensions on an agricultural and industrial scale.

TECHNICAL SUPPORT

As well as after-sales support, our technical support department has an enviable knowledge of all aspects of grain drying, storage, cleaning and conveying.

SPARES

We keep in stock a wide range of commonly required spare parts and ducting for much of the equipment we supply. This can be dispatched quickly by carrier or on our own transport for local customers. Items not carried as standard stock can be sourced quickly from the original manufacturers.

BDC supplied Industrial Mixers are specially designed for the mixing of powders and granular and for the addition of liquids, for instance animal fat, molasses and similar products up to 10% of the mixture.

Mixers are equipped with a horizontally mounted double auger, suspended in strong ball bearings.

In the mixing process the product is transported by the outer spiral in one direction (towards the outlet) and by the centre spiral in the opposite direction. At the same time the rotation makes the product rotate around the centre axle of the auger.

Nine models are available in a range of capacities from 500 litre total volume up to 7500 litres total volume.



HM-1450 HORIZONTAL MIXER



HM-830 HORIZONTAL MIXER—with optional cleaning door.

Factors in order to determine the optimal mixing solution:

- What material(s) is going to be mixed?
- Capacity per hour?
- Particle sizes
- Sizes, structure, hardness of materials?
- Moist, oil or fat?
- Transport to mixer?
- Pre-bin and lower bin?
- Adjustment inlet/outlet, manual/automatic?
- Flow?
- Weighing cells?
- Environment around mixer, silo, storage of product?
- Electrical and installation requirements

TECHNICAL

	HM-830	HM-1450	HM-2000
Motor	4.0kW	7.5kW	7.5kW
Transmission	V-belts	V-belts	V-belts
Axle Gear Independently Suspended	TA45 1:30.4	TA60 1:30.4	TA60 1:30.4
Auger Revolutions	26	13	13
Total Volume / Litres	830	1450	2100
Effective Mixing Volume / Litres	665	1160	1540
Volume at Specific Weight 0.65	432kg	754kg	1000kg
Mixing Time / Minute	4-5	4-5	4-5
Noise Level	70 dB(A)	70 dB(A)	70 dB(A)
Weight inc Motor	400kg	885kg	950kg

DRYING:

- ◆ Svegma Continuous Flow or Batch Grain Dryers
- ◆ Drying Silos

HANDLING:

- ◆ Skandia Elevators & Conveyors
- ◆ Silo Discharge Systems

STORAGE:

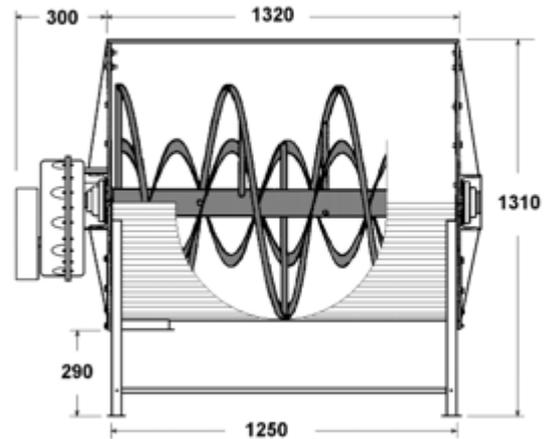
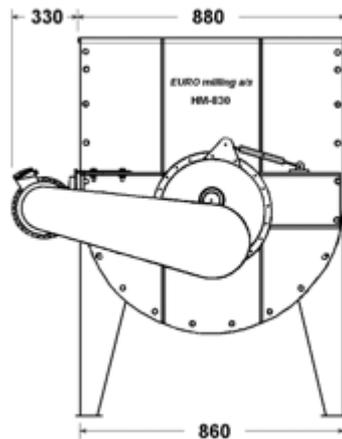
- ◆ Hopper Bottom Square Silos
- ◆ Lorry Loading Silos
- ◆ Round Silos
- ◆ Square Silos

VENTILATION

- ◆ Low Cost Galvanised Steel Air Stacks
- ◆ Fans
- ◆ Corraduct Laterals
- ◆ Multibar Laterals
- ◆ Drive-Over Laterals
- ◆ Kool-It Airspears
- ◆ Grain Butler Self Propelled Stirring Auger

CLEANING

- ◆ Skandia Dust & Chaff
- ◆ Aagaard Pre-Cleaners
- ◆ Zanin Cleaners
- ◆ Denis Cleaners
- ◆ President Cleaners



Dimensions shown for HM-830 Mixer



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