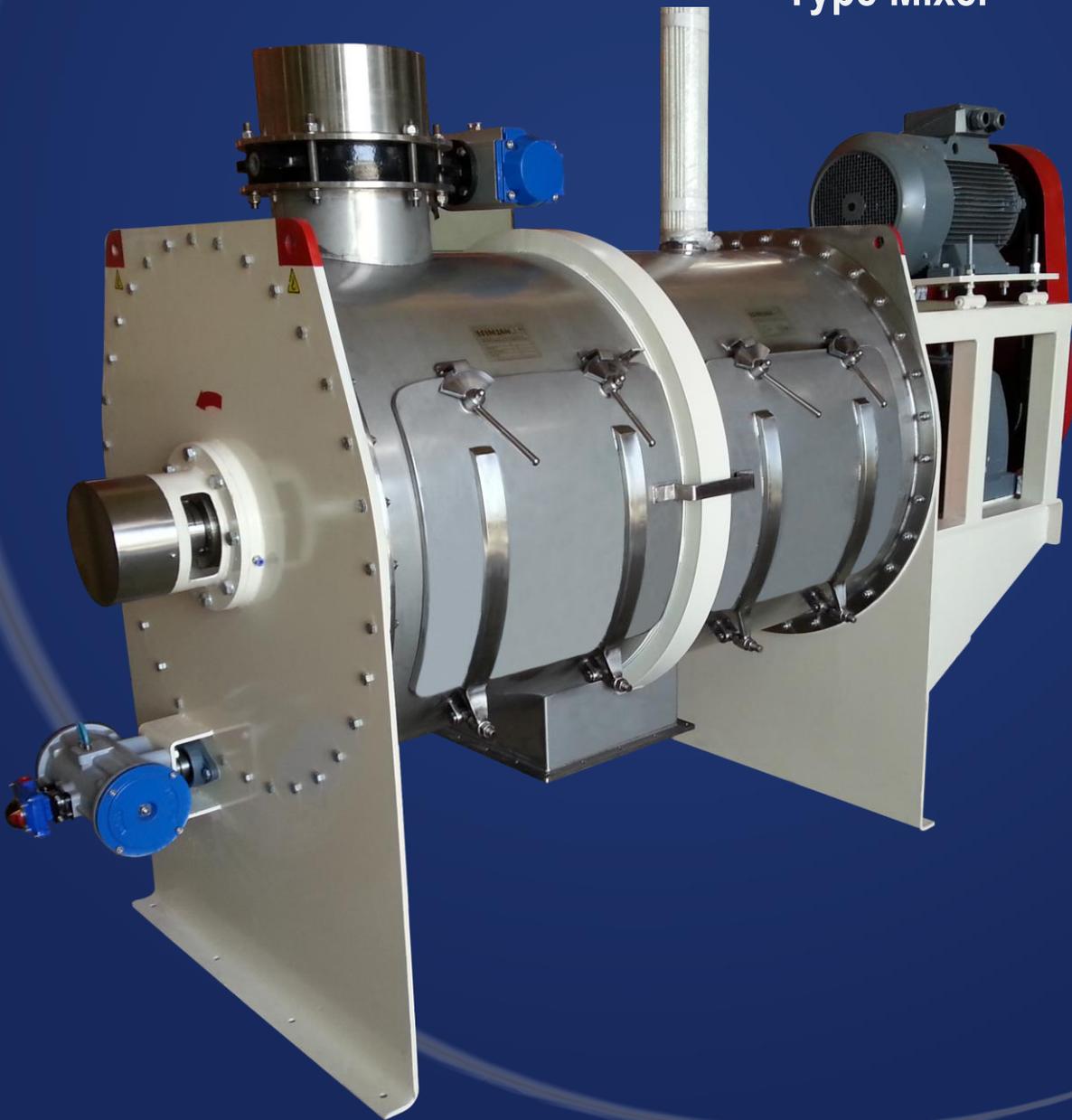


ISIMSAN[®]
MIXER & PLANT ENGINEERING

Horizontal Plough Type Mixer



PRODUCT INFORMATION

The Horizontal Plough Type Mixer is used especially for the production and processing of granular and paste-like materials. It stands out with its protective and precise mixing processes. The very good circulation of materials allows the same processes to be replicated, especially in large batches.

APPLICATIONS

- Foods
- Animal feeds
- Chemicals
- Construction materials

DESCRIPTION

The mixer performs both simple and highly complex mixing processes. The blades rotate in a horizontal, cylindrical drum unit connected to the agitator shaft. As a result, in the mixture, a turbulence is obtained which continuously incorporates all the product particles into the mixing process. This prevents the formation of dead spots or slow motion areas.

CERTIFICATIONS

Isimsan manufactures according to the following International directives and regulations:

- CE 2006/42/EC (Machinery Directive)
- CE 2014/29/EU (Pressure Vessel Directive)
- CE 2014/68/EU (Pressure Vessel Directive)
- ATEX product line 2014/34/EU
- EHEDG (Hygiene Guidelines)
- GMP (Good Manufacturing Practices)
- FDA (U.S. Food and Drug Administration)
- EAC (EuroAsia Conformity)

Isimsan is certified in terms of quality management (ISO 9001), environmental standards (ISO 14001), welding technology and supervision (ISO 3834 & 14731) and control technology (2006/42/EC).





CONSTRUCTION DETAILS

The mixer normally contains plough type blades. Other blending units such as paddle type may also be used. This depends on the needs of the respective blend material. Thus the design details are always tailored to the needs of the client.

FEATURES

Body size: 0,5 to 20 m³

Body shape: cylindrical

Material: carbon steel, stainless steel, wear-resistant steel, duplex steel

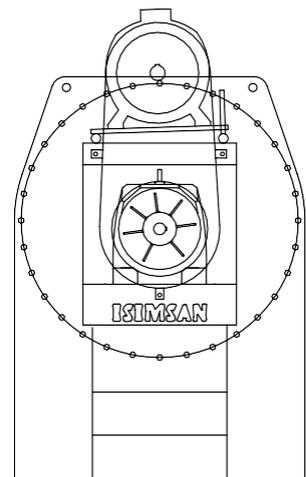
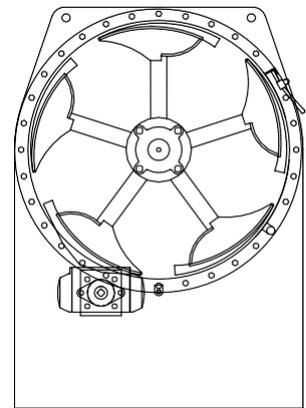
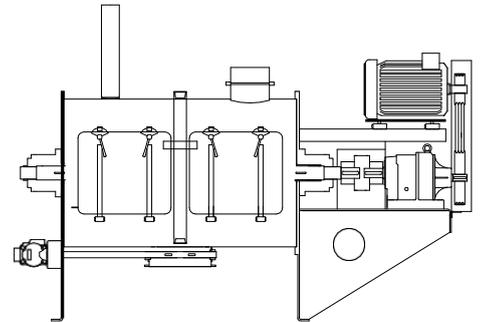
Surface: painted, brushed, polished, mirror polished

Mixer shaft: single

Blades: plough, paddle, wings, etc.

OPTIONS

- Sampling valves
- Mechanical seals
- Heating and cooling jacket
- Heating blades (paddles)
- High speed cutting rotors
- Liquid dosing nozzle
- Various automationsensors
- Support frame and platform
- Speed control
- Remote control
- Weighing system
- Filling system
- Cleaning equipments



HORIZONTAL PLOUGH TYPE MIXER



The table below refers to the standard performance of Horizontal Plough Type Mixers. Cutting rotors are not included. The standard performance considers the following issues:

Body shape: cylindrical

Mixer shaft: single

Material: stainless steel 1.4301

Blades: ploughs

Surfaces: 2B (brushed or 2D polished upon request)

Body size	Batch Size	Total measures	Weight	Motor
liter	liter	height & length (mm)	kg	kW
710	500	900 x 3.700	600	11
1.430	1.000	1.105 x 2.750	1.100	22
2.860	2.000	1.600 x 3.600	3.000	45
4.280	3.000	1.620 x 3.500	3.500	45
7.140	5.000	1.900 x 5.300	5.000	55

Isimsan designs according to customer specifications. This includes the choice of material, of drive models, and of many other equipments.

For further informations please do not hesitate to come back to us. We are there for you.



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E-MAIL: sales@isimsan.com.tr

PHONE: +90 232 8770582