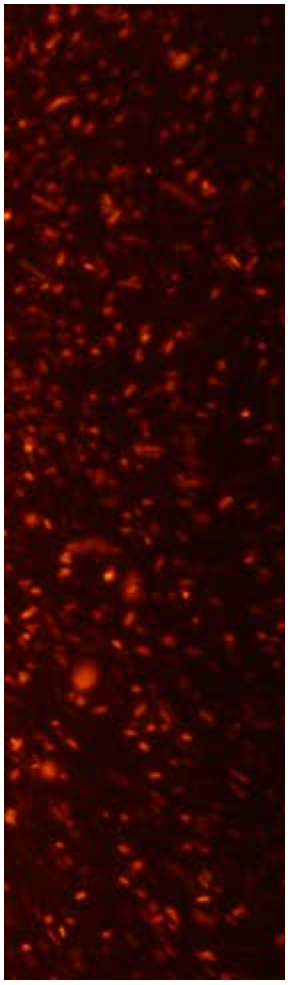
Setting new standards for

Paddle Mixers



Höganäs Borgestad

Mixers

Höganäs Paddle Mixers are well-suited to the new generations of monolitics. Our proven Paddle Mixers have the mechanical stability, the driving engine, adjusted mixing paddles and safety features to deliver the best possible properties of castables.

The robust Höganäs Paddle Mixer will provide many years of useful service in the preparation of refractory castables prior to installation. It is available for prompt delivery in drum capacities from 140 – 800 liters (75 – 500 kg useful load).

The machine is one integral unit, constructed of strong, wear-proof components and requires only minimal maintenance beyond normal cleaning after use.

It is very stable in operation and incorporates a lifting hook plus a retractable and reversible drawbar for easy transportation on or behind a vehicle to and from its place of use.

Mounting and connecting

Before the machine is put into service the supporting leg is lowered onto the foundation and secured by the enclosed cotter bolt. Remember to mount the cotter bolt after adjustment. The machine is connected to the electricity supply (400V) by an enclosed CEE plug on the side of the machine.

Before starting the machine, make sure that the two safety gratings are mounted correctly.

The machine is started by pressing the green button at the motor safeguard at the front of the machine. Make sure that the mixing arms rotate clockwise seen from above. If not, stop the motor by pressing the red emergency stop button and switch the phases in the connection plug.

Application of the machine

First start the machine and then add the dry material which is to be mixed into the mixing tank. The volume of the added materials should not exceed approx. 60% of the tank volume. Water is added according to instructions printed on the castable bags.

When the mix is homogeneous, it is ready to be emptied. Place e.g. a wheelbarrow below the discharge gate. Then open the gate by pulling the arm. After use the machine should be cleaned by flushing with water or high pressure cleaner. In connection with the cleaning of the mixing tank it may be necessary to open the safety grating placed on top of the machine.

Warning: First stop the machine and remove the CEE plug as an extra safety precaution.

On top of the central shaft of the machine there is a lifting eye. When the safety grating has been opened, the lifting eye becomes visible. It is used for lifting the paddle mixer, e.g. on to a truck.

Maintenance

Spare part are available , but the use of high quality wear-proof components in our machines minimizes the maintenance required.

Motor and gear need no further lubrication.

The molded mixing paddles are made of wear proof rubber material. As they are subjected to slight continous wear, readjustments should be carried out according to requirements. Slack off the mixing arm nuts and then readjust the arms to approach the mixing paddles as much as possible to tank wall and bottom without actually touching these, then tighten the nuts again.

Available range of mixers

TECHNICAL DATA	PTS 140L	PTS 325L	PTS 500L	PTS 800L
Drum capacity	140 l	325 l	500 l	800 l
Useful load	100 kg	200 kg	325 kg	550 kg
Overall height	1400 mm	1410 mm	1580 mm	1720 mm
Weight	210 kg	380 kg	530 kg	910 kg
Motor	Frequencies and voltages all standards	Frequencies and voltages all standards	Frequencies and voltages all standards	Frequencies and voltages all standards
Rpm	~ 50	~ 46	~ 40	~ 39

NOTE: In case of order, needed voltage and frequency have to be defined.
It is possible to deliver other different voltages and frequencies on request.

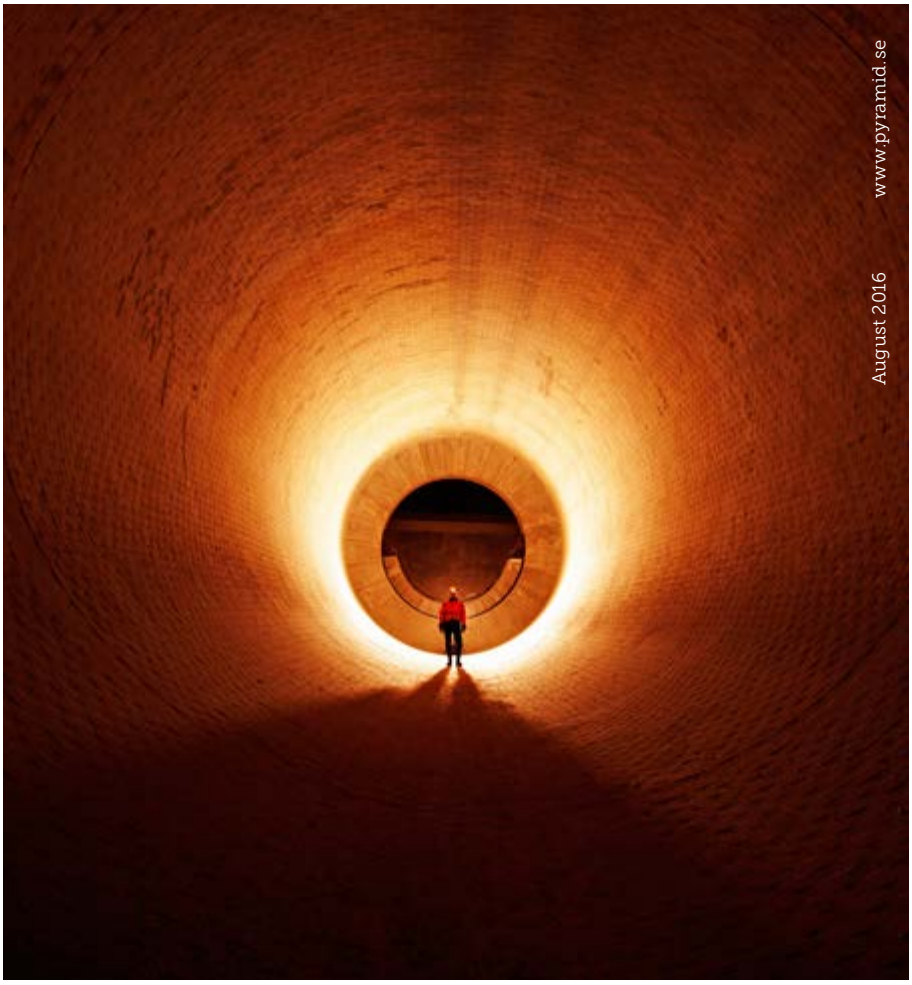
Warranty

The warranty covers:

- Up to 72,000 measurements can be made and stored in the instrument itself. Therefore there is no need to take notes, and a single operator can perform the entire measurement task by himself.
- All mixers have a 12-months warranty from delivery date
- The manufacturer will repair the damage or replace the machine.

The warranty does not cover:

- Any damage from incorrect electrical connections
- Repairs done by others than manufacturer
- Any damage from wrong operation, reckless treatment or transport damage
- Damage on motor or motor safe guard due to water cleaning
- Wear and tear
- Transport costs



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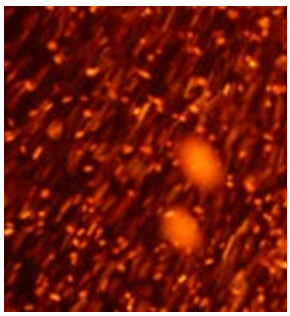

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