

## ABOUT THE INJECTMASTER

The **InjectMaster** is the most energy efficient and flexible inject mixer on the market:

- Ergonomic working height
- Low energy/high efficiency
- Strong shear rate
- Low service cost
- Designed according to EHEDG
- Step-file available on request

The **InjectMaster** is developed for products with low to medium viscosities.



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## SPECIFICATIONS

The **InjectMaster** is the most energy-efficient solution on the markets for inline High Shear mixing. The special designed injector creates a strong suction of powder.

The mixer works according to the rotor-stator principle, where a special mixing wheel passes the product through patented slots.

During operation the mixing wheel accelerates the liquid and creates pressure through in the injector pipe, which sucks in the powder from the powder funnel. The amount of powder is controlled by a manual butterfly valve.

The mixer unit is very versatile and can be used in many setups and applications. For low to medium viscosity the mixer performs the pumping action itself.

For high-viscose applications (>500 cp) the setup requires positive feeding. The mixer system can be integrated into a table that offers an ergonomic working position.

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## APPLICATIONS

The **InjectMaster** is used for mixing of powders and liquids, for sugar solutions, recombined dairy products, brine, etc.

- Homogenization down to 2 my lump free.

## EQUIPMENT

### STANDARD EQUIPMENT:

Mixer unit (WEG) (230/400V 50 Hz) with single shaft seal
Tri-clamp inlet/outlet

### OPTIONS

Double mechanical shaft seal with Bürkert (1/8") solenoid valve and throttle valve
Powder automation - vibrator, level switch, actuator
Control cabinet with frequency inverter
Control cabinet with frequency inverter and powder automation
Fitting SMS DIN/ISO. Other on request
Other motors, Nema exx & etc on request.
Ergonomic working station*

## TECHNICAL DATA

Model:	Motor	Flow	Powder Capacity**	Outlet pressure
InjectMaster 40-160	5.5 kW	25 m <sup>3</sup> /h	40 kg/min	2 Bar
InjectMaster 50-160	7.5 kW	40 m <sup>3</sup> /h	60 kg/min	2 Bar

Model:	Connection	Service Water***	Weight	Dimensions (H x W x D)
InjectMaster 40-160	IN 2" OUT 2"	20 L/h	110 kg	915 x 660 x 1100 mm
InjectMaster 40-160	IN 2½" OUT 2½"	20 L/h	130 kg	915 x 660 x 1100 mm

\*\* Powder capacity based on standard milk based powders.

\*\*\* When flushed, mechanical seal is selected



\* The InjectMaster comes with an option of an ergonomic working station