

Daniatech DTM LabMaster



The DTM LabMaster is the most energy efficient and flexible lab mixer on the market:

- Ergonomic working height
- Low energy /high efficiency
- Strong shear rate-minimum energy consumption
- Low service cost
- Designed according to EHEDG
- Compact design

The DTM LabMaster is developed for products with low to medium viscosities and is designed with a directly driven high shear mixer at the bottom and top mounted agitator.

The DTM LabMaster (patent pending) represents the next generation of mixing solutions for the process industry.

Not only is it more compact and perfectly optimized for energy-efficient high shear mixing, it is also virtually maintenance-free.

The mixer is designed to work as pilot mixer for developing new recipes, but can also be used for small scale productions.

By means of vacuum the powder is drawn from the funnel into the mixer below liquid level and instantly wetted. The powerful, high shear mixer and scraper agitator generates a controlled vortex in the tank. The combination of vortex and vacuum effectively separates air from the liquid and generates a perfect homogenous dispersion within seconds.

The unit comes with an isolated jacket for fast heating and cooling with steam or ice water. For extra quick heating the unit is equipped with a direct steam valve.

The result is a highly stable and homogenous, air and lump-free end product.

Applications:

The mixer is used for mixing of sauce, dressing, gels, cream, emulsion, etc.

Homogenization down to 1 my lump free and viscosity up to 50.000 cP.

Standard equipment:

- Mixer unit (WEG) (230/400V 50Hz) with shaft sealing (incl. inverter)
- Vacuum system with Busch vacuum pump (incl inverter)
- Insulated Steam/cooling jacket with valves
- Direct steam system
- Scarper Agitator with SEW gear (incl. inverter)
- Lid lift with Linak electrical actuator
- 2x 25 litre powder/liquid funnels with manual butterfly valves
- Outlet with manual butterfly valve with Tri-clamp
- Integrated PLC control system 9" display

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Daniatech

By Cabinplant

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Options:

- Fitting SMS DIN/ISO. Other on request
- Other motors, Nema, exx & etc on request

Technical data:

Model:	Motor	Agitator	Total kW	Steam (3-5 bar)	Cooling water
DTM LabMaster 100 VA	11 kW	1,5 kW	20 kW	100 kg/h	10 m ³

Model:	Service Water	Compressed Air	Weight	Dimension (HxWxL)
DTM LabMaster 100 VA	40 l/h	5-8 Bar	450 kg	2200 x 1400 x 1200 mm

