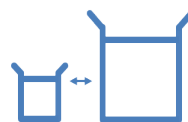
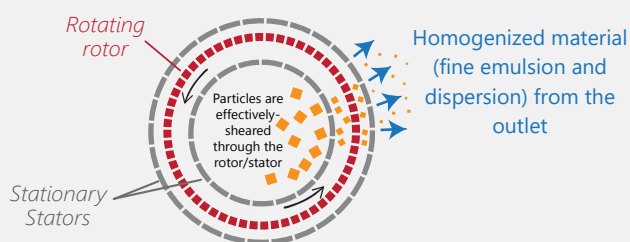


Multimix™ Inline Lab High Shear Mixer

The Multimix IHSM Lab Series is a lab scale inline high shear mixer with two stage rotor/stator design. It is perfect for R&D experiments and laboratory work before scaling the ratio of raw materials to a bigger scale with production scale inline high shear mixer.

Multi Stages High Shear Mixing



Upscaling

Perfect for R&D / pilot study before upscaling to production scale mixing



Quality

Elimination of 'fish eye' which is undesirable for quality product perception



Efficiency

Production of fine emulsions or dispersions within minutes compared to conventional mixers

Repeatability results from lab to full production
This lab scale inline mixer is specially designed for small scale inline high shear mixing and simulation. This enables R&D engineers to fine-tune their ratio of raw materials with less wastage and reproduce fine emulsions or dispersions using the production scale inline mixer later on.

Designed for efficiency
Greatest advantage of the multi-stage stator design is its ability to produce very fine emulsion and dispersions in little time with minimum investment costs.

Fast and hassle-free
The hopper enables the effortless input of raw materials (powder/liquid) into the high shear mixing circulation without any extra suction pipes/fittings.

Safe, durable and long-lasting
All wetted parts are in grade 316 stainless steel (GMP compliant).

Ease of cleaning
The built-in clean-in-place (CIP) port can be retrofitted with an external discharge system enabling the inner mixing chamber to be cleaned without disassembly.

Model	IHSM 403
Mixing capacity	1 -2 Litres
Machine dimensions (LxWxH)	829 x 250 x 364 mm
Weight	~55kg
Motor	3HP (2.2kW)
Power supply	Three phase, 415V, 50/60Hz
Nominal speed	1000rpm & above
Speed range	0-3000rpm (variable speed electronically controlled)
Wetted parts material	Food and medical grade stainless steel 316L
Impeller	Rotor and slotted stator (2 stages)
Clearance	0.5mm / 0.25mm (optional)
Inlet / Outlet dimensions	1.5" / 1"
Machine base	Corrosion resistant SS304 base with height adjustable feets / Mobile trolley with castor wheels (optional)

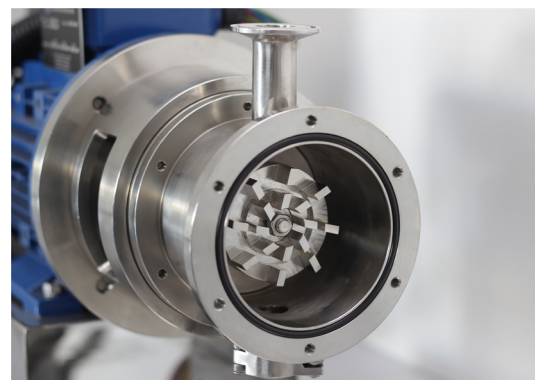


Figure 1 & 2 : At the heart of each inline high shear mixer lies the precision engineered rotor and slotted stator assembly for maximum shearing action. (up to 4 stages for production scale inline mixer)