

Multimix™ Lab High Speed Disperser

The HSD Series are specially designed for cost-effective and efficient mixing applications in the laboratory and come with a disperser blade as standard. It is widely used to achieve a well dispersed and a homogenous product output. e.g. when powder needs to be well incorporated in the water. Furthermore, all of our HSD mixers are compatible with a great variety of inhouse Multimix® interchangeable attachments to suit your additional needs of mixing or milling. These flexible attachments can be quickly and easily swapped without using any external tools for high usability and helps in reducing downtime and improving efficiency in your daily work.



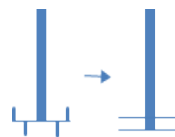
Flexibility

Various disperser blade size ranging from 20mm up to 150mm



Efficiency

Powder dispersion with viscosities up to 75,000 cps



Ease of use

Interchangeable attachments using the SAME mixer

Small and cost-effective

Its small size is designed for small scale production in all industries and ideal for all laboratory work or research and development.

Safe, durable and long-lasting

All parts in contact with mixing solvents are in grade 316 stainless steel (GMP compliant).

Multifunctional, simple and practical

Depending on the viscosity of solution and capacity needed, a wide range of disperser blade size is available and since all mixing attachments are interchangeable without any tools, the same unit can be used also for other purposes. Practically the only mixer you ever need.



SPEED CONTROL UNIT

Ergonomically designed

Using an up-down switch on the control unit, the mixing head can be effortlessly raised and lowered.

Light and easy

Its lightweight construction of corrosion-resistant aluminium makes this unit easy to be transported around. Smooth edges of the stand and base are not just for aesthetic reason but also make cleaning an effortless task. The base is also fitted with non-slip rubber feet which are height-adjustable for increased stability.

Model	EKOMIX 2403
Mixing capacity	0.5 - 12 Litres
Machine dimensions (LxWxH)	350 x 360 x 770 mm
Weight	15 kg
Motor	0.5HP (0.37kW)
Power supply	Single phase, 220V, 50/60Hz
Nominal speed	1000rpm & above (6000rpm under full load)
Speed range	0-6000rpm (variable speed electronically controlled)
Motor height adjustment	Electrical
Mixing component material	Food and medical grade stainless steel 316L
Disperser blade diameter	43mm
Machine base	Corrosion resistant aluminium base with height-adjustable non-slip rubber feet

Quick Interchangeable Attachments (optional)

MIXING



High Flow Mixer
57mm



Triple Paddle Mixer
63/83 mm

DISPERSING



Disperser Blade
25/30/43/63/83 mm

EMULSIFYING



Single Vortex (Rotor/Stator)
25/35 mm



Double Vortex (Rotor/Stator)
45 mm

MILLING



Triple Paddle Mixer
63/83 mm



Teflon Disc
45/65 mm



Double Disc
45/65 mm

SPEED CONTROL UNIT

Ergonomically designed
Using an up-down switch on the control unit, the mixing head can be effortlessly raised and lowered.

Light and easy
Its lightweight construction of corrosion-resistant aluminium makes this unit easy to be transported around. Smooth edges of the stand and base are not just for aesthetic reason but also make cleaning an effortless task. The base is also fitted with non-slip rubber feet which are height-adjustable for increased stability.


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


Multifunctional, simple and practical
Depending on the viscosity of solution and capacity needed, a wide range of disperser blade size is available and since all mixing attachments are interchangeable without any tools, the same unit can be used also for other purposes. Practically the only mixer you ever need.

Model	HSD 2103	HSD 2203
Mixing capacity	1 - 30 Litres	
Machine dimensions (LxWxH)	500 x 490 x 1260 mm	550 x 490 x 1260 mm
Weight	25 kg	32 kg
Motor	1HP (0.75kW)	2HP (1.5kW)
Power supply	Single phase, 220V, 50/60Hz	
Nominal speed	1000rpm & above (6000rpm under full load)	
Speed range	0-6000rpm (variable speed electronically controlled)	
Motor height adjustment	Electrical	
Mixing component material	Food and medical grade stainless steel 316L	
Disperser blade diameter	63mm	83mm
Rotor diameter / stator design (optional)	Either 45mm / Single vortex or 65mm / Double vortex with high shear mixer stabilizer set	
Machine base	Corrosion resistant aluminium base with height-adjustable non-slip rubber feet	
Add-Ons (optional)	A. Explosion Proof Motor, Cable or Remote Panel Control B. Safety Features e.g. Vessel Clamp C. Jacketed Vessel 1L/5L/10L	


Quick Interchangeable Attachments (optional)

MIXING


 High Flow Mixer
83mm


 Quad Paddle Mixer
83/140/200 mm

DISPERSING


 Disperser Blade
43/63/83/103/125/150 mm

EMULSIFYING

 Single Vortex (Rotor/Stator)
45/65 mm

 Double Vortex (Rotor/Stator)
65 mm

MILLING

 Quad Paddle Mixer
83/140/200 mm

 Teflon Disc
45/65/85 mm

 Double Disc
45/65/85 mm

Durable and long-lasting

These wetted parts material are in industrial grade 304 stainless steel.

Stable as ever

A vessel clamp is integrated as well in order to provide more stability for the mixing tank.

Built to disperse

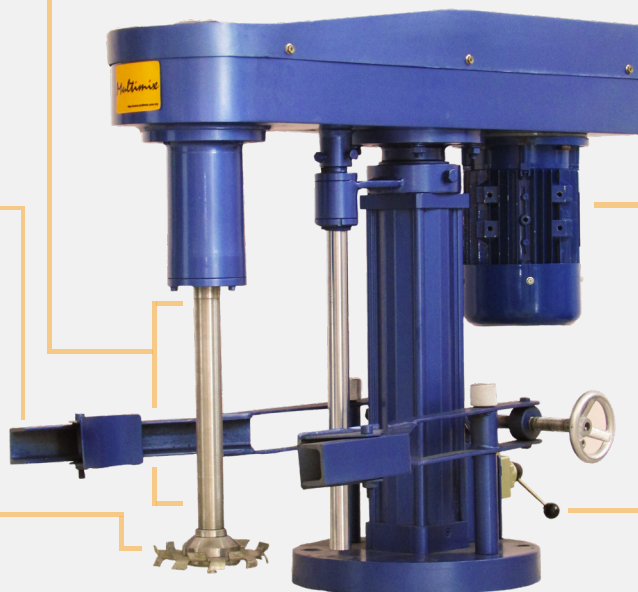
This unit comes with a large 150mm disperser blade, which is powerful enough for heavy duty mixing and high volume.

Designed for heavy duty use

The robust motor with 3HP is able to handle mixing capacity up to 50L and therefore perfect for high viscosity mixing.

Ergonomically designed

The mixing head can be raised and lowered via pneumatic mechanism (compressed air).



Model

HSD 2303

Mixing capacity	25 - 50 Litres
Machine dimensions (LxWxH)	920 x 440 x 800 mm
Weight	125 kg
Motor	3HP (2.2kW)
Power supply	Single phase, 220V, 50/60Hz
Nominal speed	1000rpm & above
Speed range	0-1500rpm (variable speed electronically controlled)
Motor height adjustment	Pneumatic (air)
Mixing component material	Industrial grade stainless steel 304
Disperser blade diameter	150mm
Additional included components	Vessel clamp
Machine base	Mild steel base
Add Ons (optional)	A. Explosion proof motor B. Safety features