

# Multimix Heavy Duty 4 in 1 High Shear Mixer (Heavy Duty Type)

The **Multimix HSM 2103 SV** is specially designed for emulsion processes such as creams, silicone emulsions and mayonnaise. It is also widely used for powder dispersions such as gum, CMC, carbopol, carbomel and pigment dispersions. Further applications are in the milling in the ink and coating process. This unit is suitable for up to 30 liters volume. Full scale up possibility to industrial size batch machines.

**The main advantages are:**

- Production of fine emulsions within minutes with the "V" type rotor/stator
- Elimination of "Fish Eyes" within minutes with the "V" type rotor/stator
- Elimination of "bubbles" without the usage of vacuum with a triple paddle mixer
- Dispersion of solid powder with viscosities of 75,000 cps with disperser and triple paddle mixer
- Elimination of dusting during powder mixing due to a triple paddle stirrer
- Achievement of less than 50 microns for a premixed dispersion with "V" type rotor/stator
- Achievement of less than 10 microns within one hour for carbon black with teflon disc, triple paddle and double disc
- Mixing capabilities from 100ml to 30 liters due to several diameter tools

**Specifications**

Model No	HSM 2103 SV
Power	1 HP Compact AC Motor in Aluminum Housing
Drive	Single Phase 110V/220V, 50/60Hz
Digital Inverter	Sensor Less Vector Control
Speed	Electronic Variable Speed Inverter 0-6000rpm
Material	SS 316L Wetted Parts
Mixing Capacity	Up to 30 liters (H2O)
Accessories	Rotor/Stator "V" Design, Single Vortex 45mm Adjustable mechanical lifting system

**Optional Attachments**

*Quick Interchangeable Accessories Without Tools*

Mixing	High Flow Mixer 43mm Quad Paddle Mixer 83, 140 & 210mm
Dispersing	Disperser Blade 63, 83, 103 & 125mm
Emulsifying	Rotor/Stator "V" Design, Single/Double Vortex 65mm
Milling	Quad Paddle Mixer 83, 140 & 210mm / Teflon Disc 45, 63, 83mm / Double Disc 45, 63 & 83mm
Accessories	Crimping Clamp / Gas spring Lifting System / Basket mill

**MIXING**



High Flow Mixer • Quad Paddle Mixer

**DISPERSING**



Various Blade Sizes Up To 12-Litres Capacity

**EMULSIFYING • HOMOGENISING**



Single/Double Vortex Rotor Stator

**MILLING**



Quad Paddle Mixer • Teflon Disc • Double Disc



**HSM 2103 with Single Vortex 45 Ø mm**