



BT-200 Batch Mixing HOMOGENIZER “Dyna-Stream”

Shaping the homogenizing future....

BT200 Batch Homogenizer - is high-performance dispersing machine for the production of emulsions and suspensions in **batch operations**. Using the rotor-stator principle, it is best suited for applications that cannot be accomplished using conventional stirring methods. The machine is capable of processing highly abrasive products and media with a viscosity of up to 80,000 mPas. The stator is connected to the motor with a mounting flange and extension rods as the **propeller mounted on the rotating shaft generate circulating flowing force** for products. Because the rotating shaft seal is located directly on the motor flange, **seal contact with the actual product is prevented**. The machine design meets specifications for dispersion production in the **pharmaceutical industry** or for processing of **abrasive products** in other industries

NEW

Features & Specification

Working Volume (ml)	25 – 5,000 l	Operating Environment	0-175°C, 95% rel. humidity
Motor Power(kW)	0.37 -37 - 3 phase Normal or Ex-Proof	Protection class	IP55
Voltage/ Frequency	380-450V / 50-60Hz	Certified standards	89/336EEC,72/023/EEC, IEC/EN 61000-6-2 / 3, EMC acc. Safety acc. IEC/EN 61010-2-51
Working Temperature and Pressure Range	Up to 160° C 15 bar	Seal type	Teflon Bush Seal (Open System), Lip Seal (150° C) or Double Acting Mechanical Seal (160° C and 15 bar)
Speed range (rpm)	1,000 – 3,000	Warranty	2 years – spare part due to manufacturing defects
Speed control type	220V/50-60Hz frequency inverter control : 0-6000 rpm	Sterilization Method:	All
Lifting system (optional)	Motorized S/S 304 or Mild Steel epoxy coated	pH Range:	2-13
Standard Shaft Length (mm)	300 - 1650	Suitable for solvents & abrasive substances::	YES
Weight (kg)	15-700	Ultimate Fineness, Suspensions& Emulsion: (µm)	Suspension: 10-15 Emulsion : 1-10
		Max Viscosity (mPa)	80,000

Fix Wall Mount with Electrical Rope



Dyna-Stream Batch Homogenizer

Lifting/electrical with rope hoist



Electrical Rope Hoist Lifting with mobile trolley

Manual Lifting with safety-pin adjusting mobile trolley



Serving Industry : Dressings and Sauce, Flavors, Fruit Juices, Concentrates, Pulps, and Soft Drinks, Seeds and Mustards, Ice Cream, Cheese Spreads, Sugar, Hydrocolloids, Milk Solids, Salts, Edible Oils, Fumed Silica, Inks and Lacquers, Carbon Black, Titanium Dioxide, Clays, Pesticides and Herbicides, Detergents, Resins, Pigments and Dyes, Catalytic Agents, Waxes and Polishes, Sulfur, Pharmaceutical & Biological Crystalline Solids, Tablet Coatings, Protein Extraction, Personal Care & Toiletry, Toothpaste, Carbopol, Creams, Ointments, and Lotions

Why purchase our homogenizer ?

*Excellent Result For Ultimate Fitness

- ✓ Elimination of “Fish Eyes” & “bubbles” within minutes



Before our batch mixer

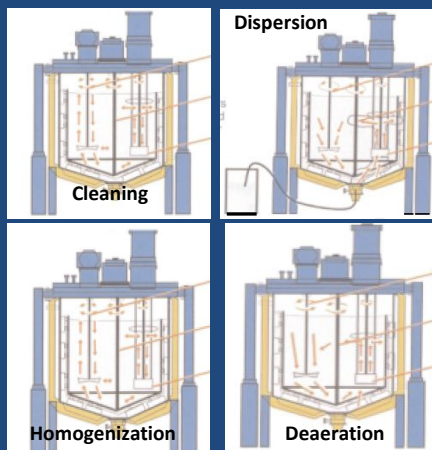
After our batch mixer

Achievable Suspension fitness(um):20-50,

Achievable Emulsion fitness (um) : 10-30

*Multiple function in one tank

By varying the speed and direction of the three mixers :U-anchor mixer ,homogenizer, disperser you can achieve four separate operating modes: **dispersion, homogenization, deaeration and cleaning.**



*Unlimited Customer Support

“Pre-Order Questionnaire” & “Let’s trial Run” programme if you suspect the correct equipment to purchase? Let’s you help us by fill in the questionnaire or you can ship us the samples for trial run ! It’s totally “FREE”

Dial our hotline for 7/24 hrs products enquiry online technical support,after sales services and warranty spare parts replacement

Equipment Designed Compliance:

- Pharmaceuticals manufacturing equipment’s guidelines and standards.--Accredited to GMP audits standard



Please contact us for more info and quote :



BT200 "Dyna-Stream" Batch Homogenizer- Ordering Information

Modular "Dyna-Stream" Batch Homogenizer Systems

Choose from shaft-generator assemblies to create the perfect system for your current application—
Shaping the homogenizer future !

- Customize your own system by choosing a variable-speed motor and a shaft depending on the viscosity of your sample
- Quick processing protects your samples from heat damage
- Quickly process volumes from 50 to 5,000 mL

A . Motor Drive and Technical Data

Built-in variable-speed controller VFD to lets you adjust speed from 0 to 6,000 rpm. Motors can be mounted on a lantern (vacuum or pressu direct mount on tank . To process higher volumes and viscosity up to 5,000L and 80,00cps.

What's included: 3-phase motor (normal or TEFC, flame proof, ATEX approved), stator and rotor generator set
The 110-120 VAC VFD inverter - US plug; the 220-240 VAC VFD inverter- European plug, User operation Manual, Accessory kit to open the stator rotor generator.

Model :BT210-0.5~ 50

Type: Vacuum or Pressure Tank with lantern Seal

Type: Single ,Double Mech Seal or Lip-seal.

Warranty & Electricity Compliance:



Model :BT200-0.5~ 50

Type: Open or Non- Pressure Tank, Seal



Type: Teflon or Brass -seal

Equipment Compliance: pharmaceuticals manufacturing equipment's guidelines and standards

Model	Order No.	Motor Power(kW)	Container, application volume l (water)	Speed range(rpm)	Standard shaft length (mm)	Stator Diameter (mm)	Max Tip Speed (m/s)	Lantern Flange hole size	Weight (kg)
BT200-0.5	171000000	0.37	Up to 25	3,000	350	45	12	4- Ø10	22
BT200-02	171000100	1.50	Up to 50	3,000	650	60	15	4-Ø12	48
BT200-03	171010000	2.2	Up to 150	3,000	750	80	17	4-Ø12	55
BT200-05	171010100	4.1	Up to 250	3,000	850	120	25	4-Ø15	85
BT200-10	171010200	7.45	Up to 1000	3,000	1150	160	32	4-Ø15	155
BT200-25	171010300	18.6	Up to 2000	3,000	1350	250	17	4-Ø19	325
BT200-30	171010400	22.37	Up to 3000	1,500	1450	330	16	4-Ø19	495
BT200-50	171010500	37.3	Up to 5000	1,000	1650	350	17	8-Ø19	585
BT210-1.5~50	171010600~171012000	1.1~37.3	10~5,000	1,000~3,000	650~1650	50~350	15~32	-	48~585

BT200-03~50 is the having 3 stabilizer rod with propeller driven the flow of product's medium.



Model	Description	Order No.	Description	Order No.
Lifting System type for Choice				
BT200-SE				
	Manual Adjust Fix Stand (good for light weight systems ex.BT200-0.5 to BT200-01)	77110000	Fix Wall Mount with electrical rope hoist	77120000
			Manual Lifting with Safety Pin Holes lifting with mobile trolley stand	77130000
			Electrical rope hoist lifting mobile trolley stand	77140000




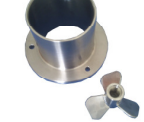
C . Optional Stator-Rotor and Accessories Parts

Replacement for stator generators customize your system to your unique processing requirements. Choose from the below interchangeable rotor-stator generators to add to a shaft-generator assembly or replace the worn generators.

B . Lifting System Assemblies

The Lifting and carriage system- use in open or pressure-less closed vessels. The variables choice of stand with different system to carry the batch homogenizer suitable weight and cost adaption to customer needs.

The flexible choice of stand materials,roller types,height adjustment can be customs made to suit customers individual requirements.

Model	Description
Stator-Rotor for Replacement	
	<ul style="list-style-type: none"> Dispersing, mixing and size reduction of coarse solids into liquid Extractions Mixing of fluids Crushing of lumps Intensive mixing
	<ul style="list-style-type: none"> Producing of emulsions and suspensions with medium droplet and particle sizes Wet milling of medium sized solids Extractions Acceleration of reactions Intensive mixing Crushing of lumps
	<ul style="list-style-type: none"> powder dispersions for the inks, paints and coating, adhesives, silicone emulsions and chemicals. It is suitable for mixing low and medium viscosities of up to 80,000 cps Size Range available :75~280 mm Volume: 500~10,000 l
	<ul style="list-style-type: none"> High turbulent mixing with low shear forces Fast dissolving and suspending of solids also at higher viscosities -mounted any positions in tank -No baffles required
Nr No.	
881010000	881020000
881030000	881040000

Please contact us for more info and

