



YES Solutions

Mixing / Dispersing
Powder Refinement Technology

INLINE MIXER (Rotor / Stator Type)



We offer you
One thing first and foremost:
An open range of possibilities.

ELECTRONICS



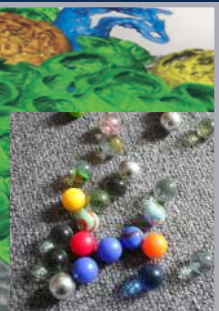
ENERGY



INDUSTRIAL

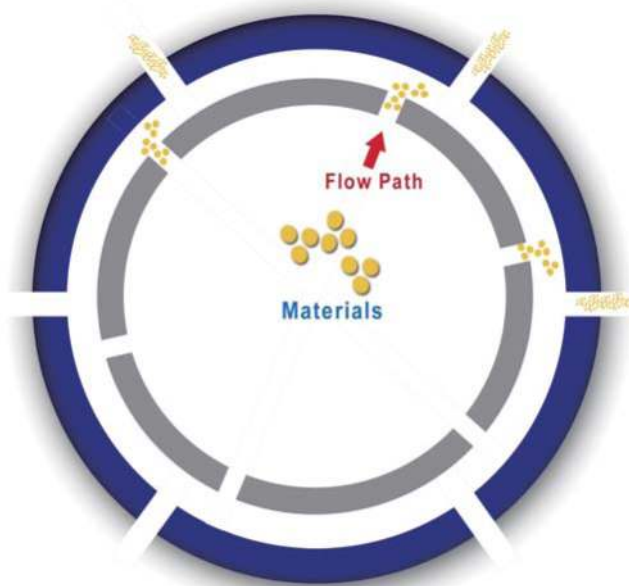


LIFE SCIENCE





INLINE MIXER SERIES



Top View of the Rotor / Stator

■ Principle of In-Line Dispenser

If the rotor rotates at a high speed between the very small gaps of the rotor and the stator, a high shearing force occurs.

The dispersion occurs by this high shearing force and the particles of mixing subjects are finely made. As the particles are broken into very small particles, the surface area is greatly extended and the reactivity gets higher.

If different materials are uniformly mixed and the centrifugal force occurs by a high-speed rotation, its function as a transfer pump will be generated enough for the operation of continuous mixing process.

■ Advantages of In-Line Dispenser

- Shortening the process time remarkably.
- Saving the production costs by saving energy.
- Performing its pump function by using the centrifugal force.
- Executing the emulsification, suspension and homogenizing process excellently.
- Performing the grinding and mixing job at the same time.
- Convenient cleaning by CIP function.

IDP 100 INLINE MIXER

Function

This granulates/mixes a single material or different type of materials through the powerful shearing force of rotor/ stator and performs the dispersion function.

Application

Sauce · Fruit juice · Pigment · Bonding agent · Plastic Lotion · Glue · Chemical additive

Single-stage dispersing tool



Coarse type (1 row)



Medium type (2 rows)



Fine type (3 rows)



Model List

Model	Flow(l/h)	Motor(kW)	RPM	Inlet / Outlet
PILOT	700	1.5	10,500	1S / 1S
IDP100/80	3,000	4	5,540	1.5S / 1.5S
IDP100/100	8,000	4	4,430	2.5S / 2S
IDP100/130	20,000	7.5	3,400	3S / 2.5S
IDP100/160	30,000	15	2,760	4S / 3S
IDP100/220	40,000	22	2,010	5S / 4S

IDP 300 INLINE MIXER

Function

By classifying the process through the 3-stage rotor / stator and small multi-level gap, this performs the grinding, mixing and dispersing functions of fine particles.

Features

Cream · Lotion · Fruit juice · Catalyst · Paint
 Polymerized emulsifier · Insecticide · Herbicide · Sterilizer

Three-stage dispersing tool



Coarse type (1 row)



Medium type (2 rows)



Fine type (3 rows)



Model List

Model	Flow(l/h)	Motor(kW)	RPM	Inlet / Outlet
PILOT	700	2.2	10,500	1S / 1S
IDP300/80	3,000	5.5	5,540	1.5S / 1.5S
IDP300/100	8,000	11	4,430	2.5S / 2S
IDP300/130	20,000	18.5	3,400	3S / 2.5S
IDP300/160	30,000	37	2,760	4S / 3S
IDP300/220	40,000	55	2,010	5S / 4S

ICM INLINE COLLOID MILL

Function

It controls the gap between rotor and stator in conical type and is used for production of colloidal solution such as refined suspension and emulsion.

Application

Colloidal Solution · Micro Suspension · Ointment
 Coating Agent · Dye Mixture · Mayonnaise
 Metallic Oxide Suspension

Dispersing with conical geometry type



Rotor (Conical geometry)

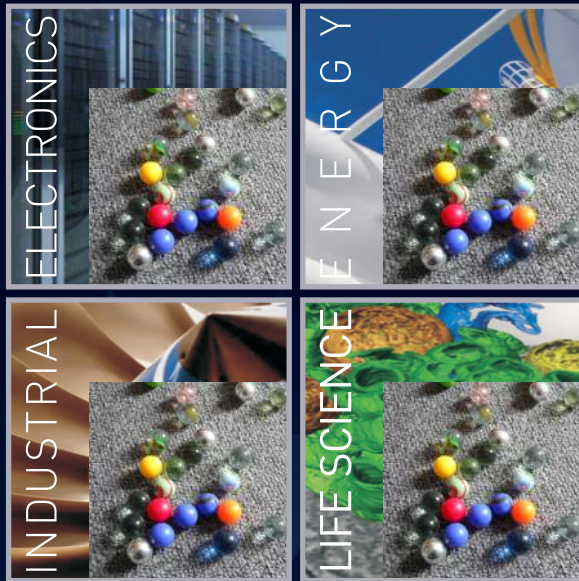


Stator (Tube geometry)



Model List

Model	Flow(l/h)	Motor(kW)	RPM	Inlet / Outlet
PILOT	500	2.2	10,500	1S / 1S
ICM80	2,000	5.5	5,540	1.5S / 1.5S
ICM100	6,000	7.5	4,430	2.5S / 2S
ICM130	14,000	11	3,400	3S / 2.5S
ICM160	21,000	22	2,760	4S / 3S
ICM220	28,000	37	2,010	5S / 4S



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