

## MERCURY LINE

# Butterfly/Dissolver



*View of machine in fully lowered position*



*Machine in the highest working position fully lifted up during vertical stroke (vertical movement of both mixing and dispersing shaft)*

### MAIN FEATURES

- Mixing/dispersing of viscous and thixotropic products in a short time with high final product quality
- Easy replacement or adjustment of tools
- Quick mixing and cleaning of the parts in contact with the product
- High strength and efficiency of each single component
- Easy use of the machine
- Easy maintenance
- Excellent reproducibility of batches
- Possibility of checking all machine parameters
- Attention to detail
- Construction configurations as well as customized automation levels
- Design, compact and ergonomic structure that respects aesthetics and handy
- High number of machines sold and operating in the world

### MODELS

**BI:** Machine in vacuum version with vertical excursion of the mixing and dispersing shafts during the various process phases by means of sleeves and sliding cylinders.

**AI:** Standard version machine with vertical excursion of the mixing and dispersing shafts during the various process phases by means of sleeves and sliding cylinders.

**CI:** Standard version machine with vertical excursion of the mixing and dispersing shafts during the various process phases by means of protective bellows and sliding guides.

### APPLICATIONS

Inks, Glues, Putties, Adhesives, Sealants, Plastics, Cosmetic Products, Wall Fillers, Polyester Fillers, Silicones

### VISCOSITY RANGE

From 50.000 cP up to 1.000.000 cP

### INSTALLED POWERS RANGE

From 5.5 kW up to 160 kW

### CAPACITY RANGE

From 25 Litres up to 2500 Litres

# SINGLE AND DOUBLE SHAFT KNEADERS/ DISPERSERS



*View of machine in fully raised up position*

## OPTIONS

- Management of different levels of ATEX regulations
- Vacuum version
- Mixing tools outlet from the finished product in vacuum
- Manual locking kit of the lid to the mixing tank
- Automatic locking kit of the lid to the mixing tank
- Bottom scraper installed on the mixing butterfly
- Combined toothed impeller
- Tank locking by manual pantograph clamp
- Tank locking by automatic pantograph clamp
- Tank locking by manual handwheel with band
- Cavity or semi-tube for cooling/heating the tank
- Tank insulation
- Weighing system on load cells
- Product temperature measurement
- Low and high pressure washing heads
- Connection between the machine cover, the powder and liquid feeding systems
- Software and hardware package for semi-automatic or fully automatic control of the machine
- Remote machine control system
- Ready for industry 4.0 interconnection



*Tools view: butterfly mixing blade with self-adjusting side scrapers and dispersion impeller*

## TITANIUM LINE



View of machine in fully lowered position



Machine in the highest working position fully lifted up during vertical stroke

### MAIN FEATURES

- Mixing of viscous and thixotropic products in a short time with high final product quality
- Easy replacement or adjustment of tools
- Quick mixing and cleaning of the parts in contact with the product
- High strength and efficiency of each single component
- Easy use of the machine
- Easy maintenance
- Excellent reproducibility of batches
- Possibility of checking all machine parameters
- Attention to detail
- Construction configurations as well as customized automation levels
- Design, compact and ergonomic structure that respects aesthetics and handy
- High number of machines sold and operating in the world

### MODELS

**BI:** Machine in vacuum version with vertical excursion of the mixer shaft during the various process phases by means of a sleeve and sliding cylinders.

**AI:** Standard version machine with vertical excursion of the mixer shaft during the various process phases by means of a sleeve and sliding cylinders.

**CI:** Standard version machine with vertical excursion of the mixer shaft during the various process stages by means of protective bellows and sliding guides.

### APPLICATIONS

Inks, Glues, Putties, Adhesives, Sealants, Plastics, Cosmetic Products, Wall Fillers, Polyester Fillers, Silicones

### VISCOSITY RANGE

From 50.000 cP up to 1.000.000 cP

### INSTALLED POWERS RANGE

From 2 kW up to 110 kW

### CAPACITY RANGE

From 25 Litres up to 2500 Litres

# SINGLE AND DOUBLE SHAFT KNEADERS/ DISPERSERS



*View of machine in fully raised up position*



*Tools view: butterfly mixing blade with self-adjusting side scrapers*

## OPTIONS

- Management of different levels of ATEX regulations
- Vacuum version
- Mixing tool output from the finished product in vacuum
- Manual locking kit of the lid to the mixing tank
- Automatic locking kit of the lid to the mixing tank
- Bottom scraper installed on the mixing butterfly
- Tank locking by manual pantograph clamp
- Tank locking by automatic pantograph clamp
- Tank locking by means of manual handwheel with jacket or half-pipe for cooling / heating tank
- Tank insulation
- Weighing system on load cells
- Product temperature measurement
- Low and high pressure washing heads
- Connection between the machine cover and the powder and liquid feeding systems
- Software and hardware package for semi-automatic or fully automatic control of the machine
- Remote machine control system
- Ready for industry 4.0 interconnection

## TITANIUM LINE WITH LATERAL SCRAPER



## MODELS

**BIRG:** Machine in vacuum version with independent revolving scraper and mixer shaft vertical excursion during the various process phases by means of sleeve and sliding cylinders.

**AIRG:** Machine with independent rotating scraper and vertical excursion of the mixer shaft during the various process phases by means of a sleeve and sliding cylinders.