

BASKET MILLS



The basket mill processes products of low, medium and high viscosity at high speed, allowing the distribution of particles evenly reaching Nano metric particles.

It is a continuous batch system, whereby the whole grinding process is carried out in the same portable container, without the need to re-circulate the product. As such this allows the optimization of resources, since the mill performs the whole process automatically, only loading the variables on its touch screen without the need for operational labor. Even the washing of the equipment is carried out in a few minutes, significantly reducing the cost of solvents and allowing the grinding of a product or color different from the previous batch in a simple way.

MODELS

Laboratory: * Md1

* Md3

- Md10 (50 to 300 litres)

- Md30 (100 to 600 litres)

- Md50 (500 to 1200 litres)

WHY DOLPHIN IS THE BEST MARKET BASKET MILL?

Because the milling is carried out through 2 independent systems, on the one hand the system of milling with bolts and counter meters inside the basket where the zirconium pearls are, and covered by a chamber where water circulates and cools the product; and on the other a system of agitation with a propeller.

The possibility of handling the two systems separately, allows the grinding to be completed without having to change equipment as well as achieving a more efficient cooling of the grinding product, thus achieving an additional decrease in processing times and leading to an optimal result.



ADVANTAGES

Optimum grinding speed.

Easy washing for product change.

Reach uniform nano metric particles.

Perform the whole process automatically.

Greater control and optimal results by the independent system of agitation and grinding.

Post-sale service and low-cost parts.

DOLPHIN

Advanced Technology in Industrial Machines



Disperser and basket mill with a capacity of 1 to 5 liters

This integrated equipment has all the components to perform a laboratory-scale batch test.

The equipment has a head that combines at one end a disperser with a 75mm disc to pre-spread the product to be ground, and at the other end a basket mill with all the features of our plant mills. In this way, dispersions and grindings can be carried out on a pilot scale with the same equipment. The lifting system of the head is electric, with reducer motor system.

The portable container is made of abrasion resistant stainless steel and has a volcable cooling jacket with a capacity of up to 5 liters.

All the components of the equipment are controlled by a PLC with touch screen with the adjustment variables of the head in use, either the disperser or the mill.

SPECIFICATIONS

- Dispersing head:**
- Asynchronous motor of 3 HP.
 - 75 mm. dispersing disc made of abrasion resistant stainless steel.
 - Speed control by frequency inverter.
- Grinding head:**
- 80 mm. diameter basket with slot from 0.25 to 0.5 mm.
 - 3 HP asynchronous grinding motor.
 - Ball system.
 - 80 mm diameter agitation impeller with interchangeable agitation propeller.
 - Asynchronous agitation motor of 0.5 HP.
 - Thermocouple temperature control.
- Control system:**
- Electronic individual speed motor control of disperser, basket and stirring.
 - PLC with 5" touch screen.
 - Lifting system operated by contactors.
 - Manufactured in IP55 Protection Efficiency Std. or High Efficiency explosive proof.