



**NEWS**

## **THE SMALLEST THREE-CYLINDER LAMINATING MACHINE HYDRAULICALLY OPERATED IN THE WORLD**

### **Model Z0B-HI-NV**

We are pleased to present the new hydraulically operated three-cylinder refiner for laboratories and small productions.

The aim of having a laboratory machine designed and built as a production machine is essential to minimize the scale errors and then make recipes more efficient, both in terms of quality and in the use of raw materials. For example, in the use of pigments, the higher the level of micronization, the higher the colour yield and therefore the lower consumption of this precious material; principle valid for the rest of the other materials. The machine also develops a high dispersing capacity and the perfect homogeneity of the laminated product doesn't require any filtration.

#### **Top quality! Micronization level at full scale.**

Crushing pressure adjustable from 0 to 12 bar.

The adjustment of the product containment shoulders, placed between the loading cylinder and the central one, allow to process from minimum quantities of product, a few grams, up to a production capacity of about 15 kg/h, according to the rolling pressure.

#### **LAMINATING CYLINDERS $\phi$ .50x180 mm. and $\phi$ . 80x200mm. of table**

Cylinder construction in stainless steel, coated according to individual needs, mounted on shielded ball bearings.

The pressure of crushing of the cylinders is made through of special knobs which operate the two hydraulic pumps individually, one for each cylinder; on the manometer it's possible read the instantaneous pressures approaching the central cylinder.

#### **ELECTRICAL DRIVE**

Through electric motor of 0.5 Kw, IE4 efficiency, with inverter for speed variation, incorporated in the carriage of the machine.

The motor and related electrical equipment are in CVE execution for safe environment. Voltage 220V. single-phase - Hz. 50.

Start and stop button of the motor are on the right side of the machine.

Electronic speed variator of cylinders rotation, to optimize the working parameters for each recipe.

Emergency push-button installed on the left shoulder.

Single-phase three-pole plug: N+F+T.

#### **Safety devices**

Cylinders protections from accidental contacts and from the entry of foreign bodies, in stainless steel, our standard project with electromechanical interlocks.

Slow speed preset for cylinder cleaning cycle.

## **SECTORS OF COMPETENCE**

### **COSMETICS**

Lipsticks – Foundation cream - Liners – Refined pastas in general.

### **ALIMENTARY**

Chocolate in general - Dried fruit flours also in dough - Refining pastes in general.  
MOCA certification.

### **PHARMACEUTICAL**

Liquids and creams with granulometry between 0 and 3 microns.  
Specific certification on request.

### **FINE CHEMISTRY**

Inks - Pigmented pastes - PVC - Glazes - Colours

The technical office is available for any need for clarification on even customized applications.

## **HYDRAULICALLY OPERATION MACHINES**

