

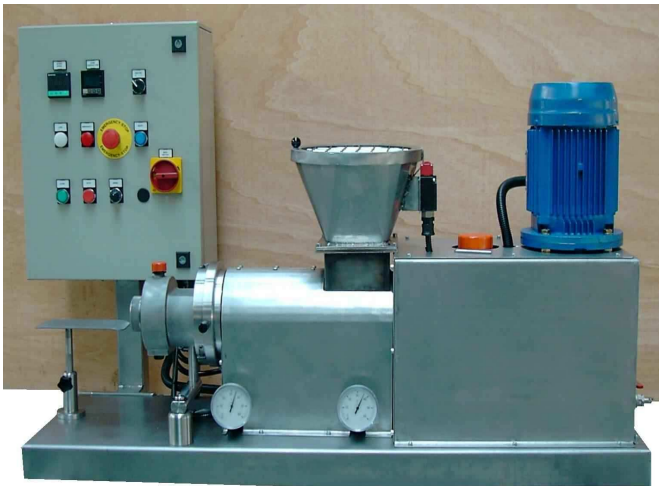


LABORATORY PLODDERS



**Single
Screw
Plodder**

SM-60



**Twin
Screw
Plodder**

SB-50



**Single
Screw
Duplex
Vacuum
Plodder**

DVM-60



Laboratory Plodders

We have a full range of Laboratory Plodders:

- Single Screw Simplex Plodder "SM-60"
- Twin Screw Simplex Plodder "SB-50"
- Single Screw Duplex Vacuum Plodder "DVM-60"

The "SM-60" and "SB-50" are "Combo Plodders" i.e. they can be used as Simplex Refiner and as Simplex Extruder: the soap noodles, previously mixed, are first refined and once they are enough homogeneous, the unit can be converted in order to extrude a continuous billet.

The "DVM-60" is a complete Duplex Vacuum Plodder. It is provided with a vacuum chamber with transparent "Lexan" door and a vacuum Venturi system.

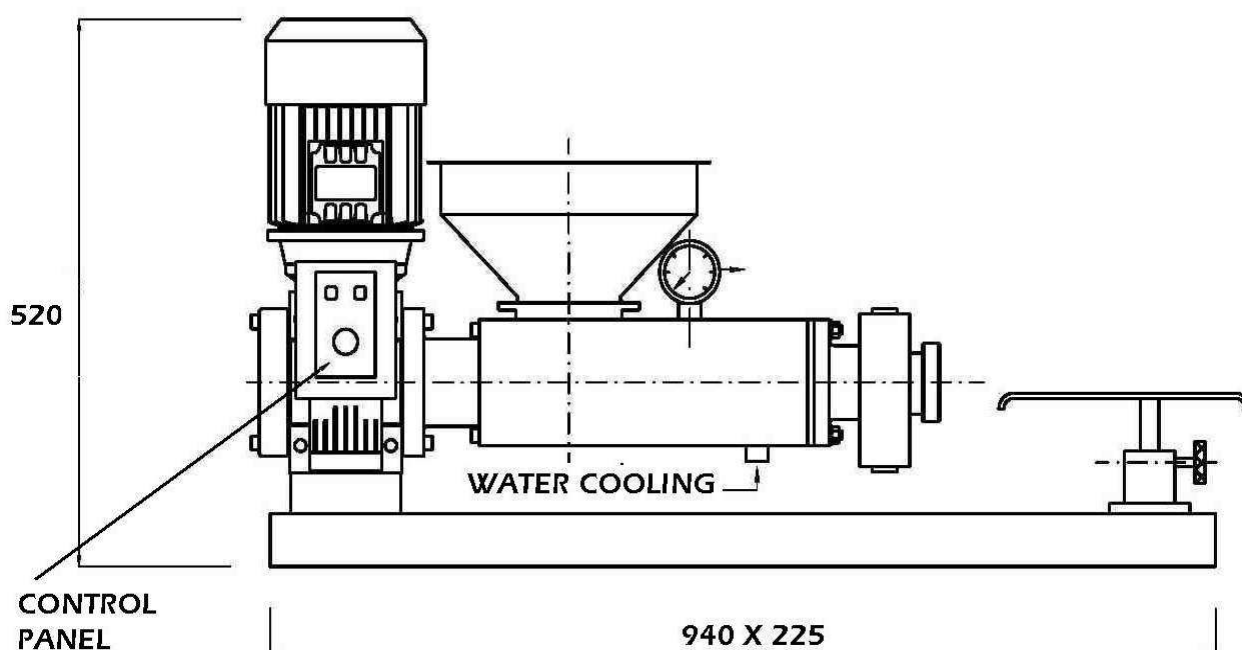
COMMON FEATURES

- q Screws are made in Silumin aluminum alloy.
- q Stainless steel manufacture
- q Stainless steel soap pellet feed hopper
- q Heated nose cone with interchangeable die plate
- q Refining/Pelletizing group with rotary knives
- q An electrical panel with push buttons is supplied. The equipment and wiring are made in accordance with international prevailing regulations.
- q AC fix speed gear motor.
- q The maximum billet size that can be extruded from these Laboratory Plodders has diameter of 26 mm.

SINGLE SCREW SIMPLEX PLODDER "SM-60"

Screw diameter: 60 mm

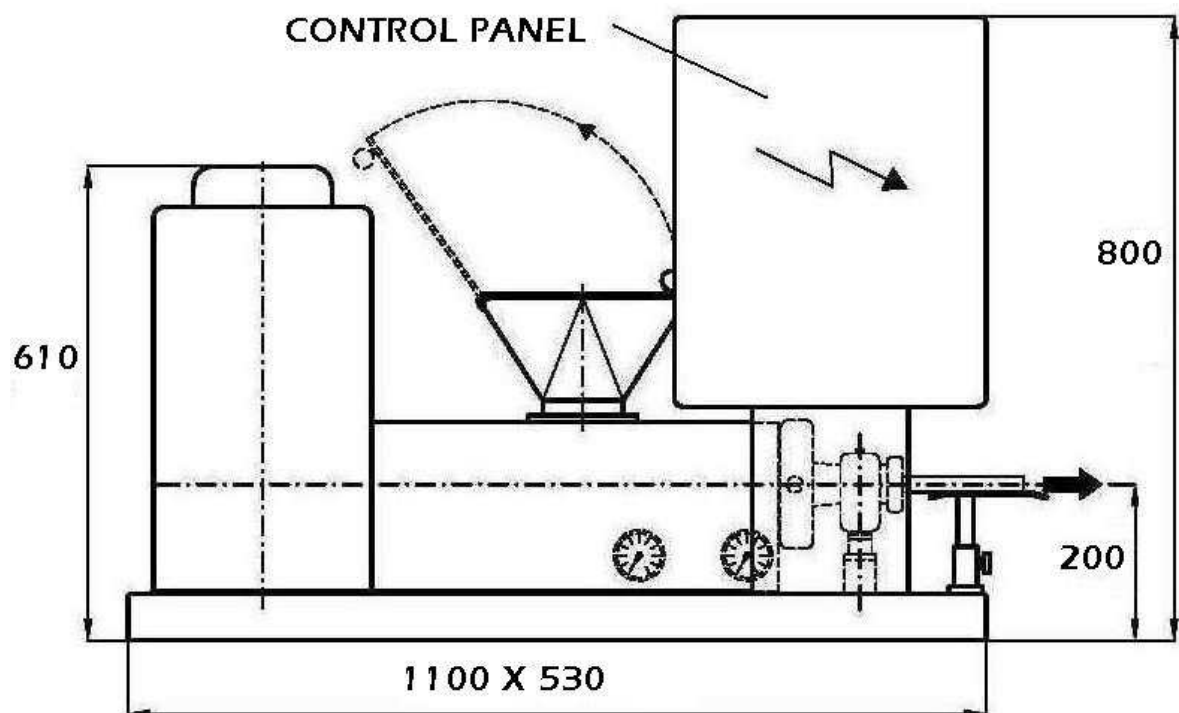
Installed Power: 0,55 kW



TWIN SCREW SIMPLEX PLODDER "SB-50"

Screws diameter: 50 mm

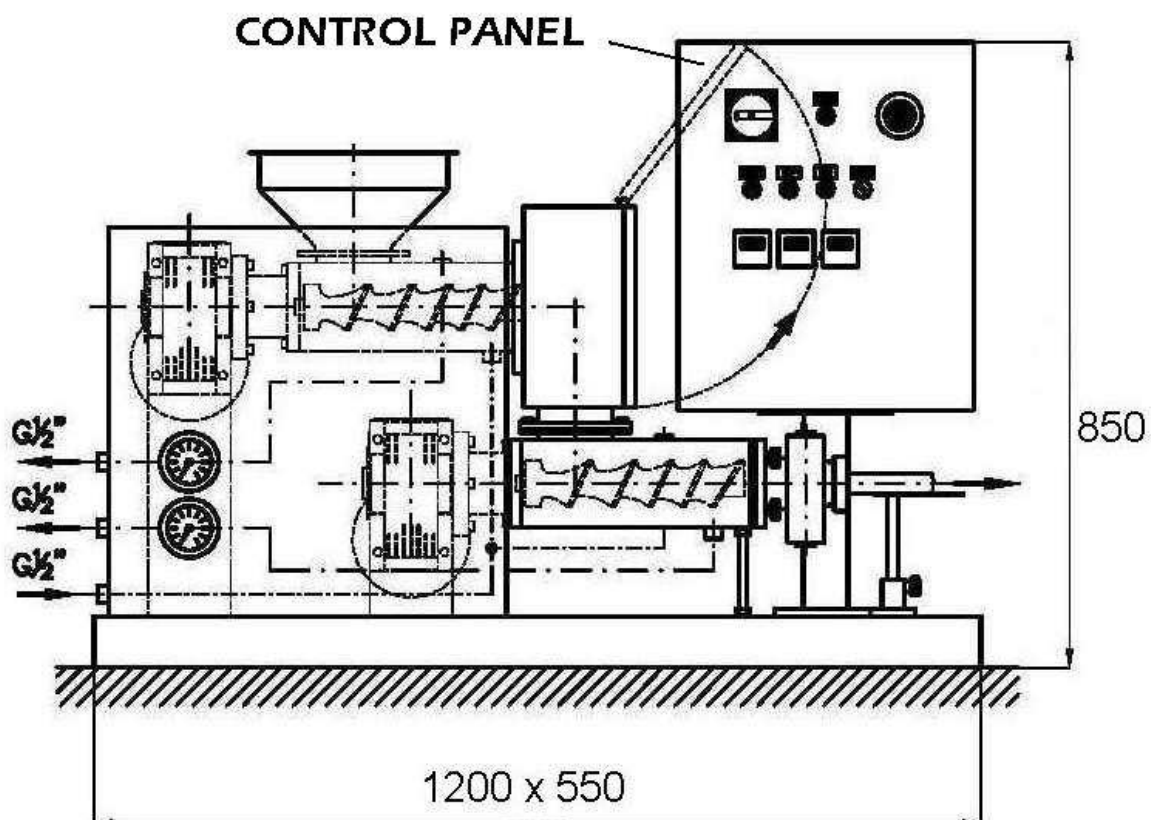
Installed Power: 1,5 kW



SINGLE SCREW DUPLEX VACUUM PLODDER "DVM-60"

Screws diameter: 60 mm

Installed power: 1,1 kW



Laboratory Equipment

This line is usually used in laboratories of soap factories or in small artisan workshops.

It consists of relatively small machines, apt to process toilet soap noodles or flakes in order to reproduce on a small scale the operations performed on the industrial production line.

The soap produced on this line can be used for laboratory tests to check the soap performance and/or to get quantities of soap samples.

All the machines are separately driven and all the main parameters such as temperatures and working pressures, are monitored by a set of instruments on main display panel.

This set up allows the serious production of even very difficult or very high quality soap tablets.

This line is composed by the following machines:

- Work Bench
- Open Sigma Mixer (alternatively Double-Arm Sigma Mixer)
- Three Roll Mill
- Simplex Refiner Plodder (alternatively Duplex Vacuum Plodder)
- Cutter
- Hydraulic Press



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