

## I. TECHNICAL DESCRIPTION

### I.1. APPLICABILITY

This is an easily operated, simple but ingenious piece of equipment for potters for the fast and easy extrusion of clay coils, disks, tubes and clay moulds with holes.

### I.2. SPECIFICATIONS

The barrel is a cylinder-like steel tube, in which a massive plate, provided with a lever, assures the even and tight pressing. The die mounting attachment with the two plastic nuts on both sides of the barrel makes changing dies quick and simple. The tube and other metal parts are galvanized.

### I.3. TECHNICAL DATA

Dimensions of barrel:  $\varnothing$  108 x 300 mm

Capacity: ~ 5 kg/barrel

Basic die set:

- 1 pc die plate ( with 5 pcs rounded holes )
- 1 pc die plate ( with 5 pcs arched and squared holes )
- 2 pcs dividers for die plates
- 1 pc blank die plate for your own designs
- 1 pc adjustable tube-drawing die plate

## II. INSTRUCTIONS FOR ESTABLISHING AND HANDLING

### II.1. INSTRUCTIONS FOR ESTABLISHING

The instrument can be bolted to either a wall or a bench. In both cases secure fastening is needed because of the big power impulse.

### II.2. INSTRUCTIONS FOR HANDLING

Before starting the pressing the clay should be kneaded thoroughly by hand or machine in order to be homogeneous, airtight and clear of solid spots of dirt. One should only work with kneaded clay, because the hard, dry and dirty clay can cause the damage of the structure and it is not under guarantee.

Order of operation:

1. Choosing and fixing the required die on the bottom of the barrel.
2. Filling the barrel with the needed amount of kneaded clay. Even during the filling of the barrel one should pay attention to mould the clay to be airtight so the pressed clay would be smooth.
3. Putting the lever in the barrel and fixing it with the nuts to prevent it from moving away.
4. With a smooth pressure on the lever pressing out the needed length of clay and cutting it with a cutter.

In case the extruder is used continuously the barrel should be locked airtightly, in which way the clay would not dry out very much and it is not necessary to clean the barrel after each using. However, if the usage is not permanent it should be cleaned on every occasion. Big amount of dry clay remaining in the barrel should not be pressed out, because it causes the damage of the structure.