



## Pellet Press Series

# EQUILAB Pellet Press Series

**Obtaining truly representative results in RX or LIBS depends very much on the previous step, the manufacturing of the pellet. The Equilab Pellet Press series have been specially designed to achieve finely finished pellets, with a high degree of cohesion and stability, offering completely flat surfaces, regular and with no cracks.**



The **Equilab** Pellet Press series have been specifically designed for preparing dust samples (pellets/tablets) for their analysis by XR. The preparation of pellets is a common technique that will allow us to manipulate and store the samples in an easy manner, and obtain analytical repeatable results.

This technique consists in compressing the particles of the dust sample (by themselves or mixed with a binding agent) until obtaining a perfectly homogeneous pellet with a flat surface, mechanically robust and without cracks or dust.



## EQP-1 Manual Pellet Press



**The EQP-1 Pellet Press is able to apply pressure up to 20 tons, it is simple and safe to manage, and it occupies very little room in the laboratory.**

Its hydraulic system multiplies the force exerted by the user with the lever, and an analogical manometer will inform of the press tons achieved.

- **High quality pellets in no time**
- **Easy management**
- **It does not need electrical power**
- **Analogical manometer**
- **Compact and autonomous unit**

Method: pressure

Applications: cement industry, metallurgical industry, recycling plants, Geology and Mineralogy, ceramics

Maximum pressure: 20 t

Sample diameter:  $\varnothing$  32 /40 mm. (other sizes and shapes under request)

Consumables: aluminium cups  $\varnothing$  32 - 40 mm.

Dimensions: 50 cm (height) x 22 cm (width) x 23 cm (depth)

Approximate weight: 20 kg.

## EQP-100 Automatic Pellet Press

**The EQP-100 Press can exert a pressure of up to 40 tons. Of robust and durable design, it has got a simple working system and is really effective, offering up to five working programs in single or double cycle.**

Very easy to manage, its user friendly display has got a digital control for the time and the strength. The double cycle is intended mainly for the sample to release any gas trapped within during the first cycle, ensuring high quality pellets.



Method: pressure

Applications: cement industry, metallurgical industry, Environmental Laboratories, material recovery companies, recycling plants, Geology and Mineralogy, ceramics

Speed control: frequency converter 25/75 Hz

Sample diameter: 40 mm (other sizes under request)

Maximum pressure: 40 t / 50 t

Engine power: 750W

Power source: 220V

Consumables: aluminium cups 40 mm diam. / Binding Agent

Dimensions: 40 cm (height) x 51 cm (width) x 42 cm (depth)

Approximate weight: 75 kg

- High Quality pellets
- Easy management
- 5 working programs
- Double cycle pressing system
- User friendly English/Spanish display
- Great value

## EQP-200 Automatic Ultrapress

**The EQP-200 Press is manufactured so that you can change the different pressing tools very easily and quickly. That way, we are able to prepare pellets of different diameters and shapes.**

An exceptional unit from all angles. Keeping all the capabilities of its predecessor (EQP-100), the EQP-200 offers also the possibility of preparing pellets of different sizes simply replacing the pressing tool. This system is also good for the cleaning and maintenance of the unit. Its versatility also allows us to work with different types of moulds such as square, rectangular, etc.



Method: pressure

Applications: cement industry, metallurgical industry, Thermal Stations, Environmental Laboratories, material recovery companies, recycling plants, Geology and Mineralogy, ceramics

Speed control: frequency converter 25/75 Hz

Sample diameter: 32 /40 mm (other sizes and shapes under request)

Tools: Pellet tools

Maximum pressure: 40 t/50 t

Engine power: 750W

Power source: 220V

Consumables: aluminium cups 32 /40 mm diam. / Binding Agent

Dimensions: 40 cm (height) x 51 cm (width) x 42 cm (depth)

Approximate weight: 75 kg.

- Pellets of different diameters and shapes
- High quality pellets in a short time
- 5 working programs
- Double cycle pressing system
- User friendly English/Spanish display
- Great value



The technique consists in compressing the particles of the dust sample (by themselves or with a binder) until getting a perfectly homogeneous disk with a flat surface, mechanically robust and without cracks or dust.

## Consumables

- EQP-WAX Wax for XRF tablets
- EQP-CAS Ø 40mm Aluminum cups

Please inquire about special diameters



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