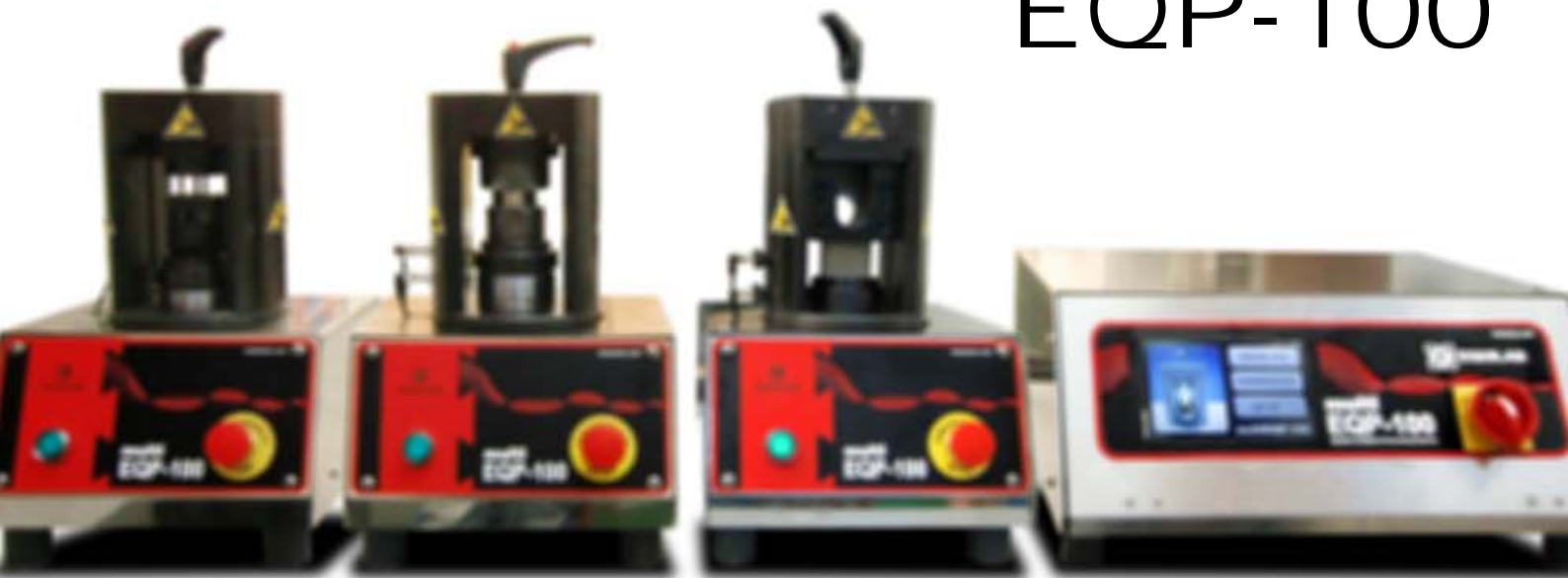


multi  
EQP-100



**Processing System  
for Metallic Samples**

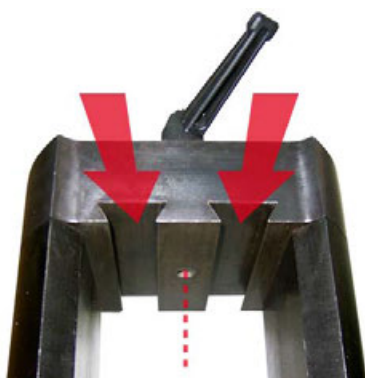


multiEQP-100

## Processing System for Metallic Samples

*The versatility of the new MultiEQP-100 makes of this unit and essential instrument for the treatment and manufacturing of metallic samples. Effective for cutting, crushing and punching metallic samples, you can also include the capacity for pressing pellets that will be analyzed afterwards by RX. The objective of punching the samples is the obtention of pins for their analysis in Elemental Analyzers. With a touchscreen and intuitive software, the multiple possibilities available in the MultiEQP-100 are easily controlled. The addition of two magnetic sensors in the left hand side of the pistons allow to automate the working cycles.*

- Quick
- Simple
- Safe
- Versatile
- Different programs



The special adaptability conditions of the MultiEQP-100 make it immediately ready for undertaking different tasks. This unit has got a specially designed system for the fast and safe changeover of tools fitted for different purposes.

The need of the clients for the immediate readiness of different tools for processing metallic samples led us to transform the MultiEQP-100 in a samples processing system, as it is able to hold up to three working pistons with capacity to assume, each of them, multiple types of tools. In fact, we can manufacture the tools according to the specifications of use.

Each of these working stations can be controlled directly from a single control unit – by a user friendly software and a touchscreen-, from which we can adjust

the parameters such as the desired time, the stroke of the piston and the pressure: up to 50 tons.

To select a working unit you can do it through the touchscreen, or directly at the unit.

#### **Complementary operation with the Induction Heater**

Due to the hardness that some samples can reach (for example  $C > 0.2$ ), they can't be processed directly and must be preheated to soften the metal; the combined use of the EQH3.0 Induction Heater with this unit make possible the quick and convenient processing of these kind of samples.



- Process all kind of metallic samples using just one unit
- The best quality/price ratio in the market
- Special tools under request
- Simple to operate
- Quick changeover of tools
- Personalized configuration
- Convenient digital display
- Programs adapted your needs



### Technical Specifications:

|                      |   |
|----------------------|---|
| Method:              | pressure, cutting, crushing, punching             |
| Applications:        | metallurgical industry                            |
| Speed control:       | frequency converter 0/200Hz                       |
| Power source:        | 2 x 220V  |
| Alimentación:        | 2 x 220V  |
| Consumables:         | aluminium cups 40 mm. diam.                       |
| Dimensions           |   |
| Control unit:        | 40 cm. (height) x 51 cm. (width) x 42 cm. (depth) |
| Control unit weight: | 40 kg.  |
| Piston weight:       | 60 kg.  |

Please see our video: <https://www.youtube.com/watch?v=-KhMeORwoxU>

#### Pellet Press Piston:

Maximum stroke: 53 mm.  
 Diameter: 40 mm.  
 Flow: 1.17 l/min.  
 Maximum pressure: 450 kg/cm<sup>2</sup>  
 Maximum strength: 50 T

#### Cutting Tool piston:

- Pressure control
- Time control

Cutting diameter: bars up to 30 mm Ø  
 Maximum strength: 50 T

#### Punching Tool piston:

- Pressure control
- Time control

Amount of pins: 3  
 Pins' diameter: 6 mm. (other diameters under request)  
 Maximum strength: 25 T (limited by software)

#### Crushing Tool piston:

- Time control

Contact surface: 53 mm Ø  
 Maximum strength: 50 T

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