

**CENTROTECNICA**  
*stress to ensure*

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# the **AVCO/AVEX** upgrade

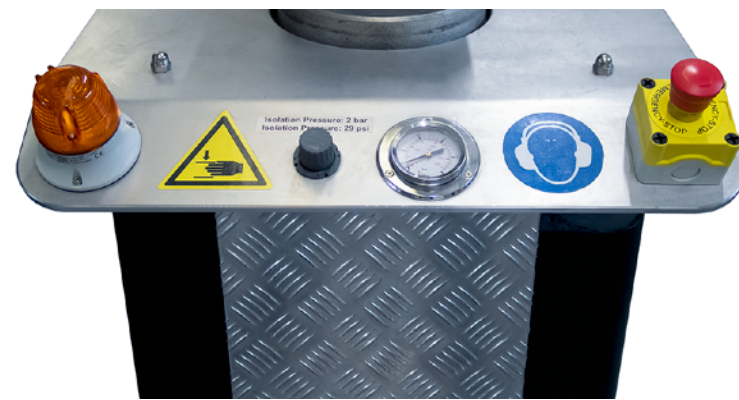
*FASTER, EASIER, RELIABLE*

Your shock machine (105, 110 or 220 model) fully renewed.

# details of the **AVCO** upgrade - 1

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The upgrade intervention concerns commands, mechanics, pneumatic circuit, safety and aesthetics.



On the **CONTROL PANEL** of the machine there are the pressure regulator and the pressure gauge relating to the isolation of the machine from the ground.

At the two ends of the panel there are an emergency button and the flashing indicator of “operating machine”.

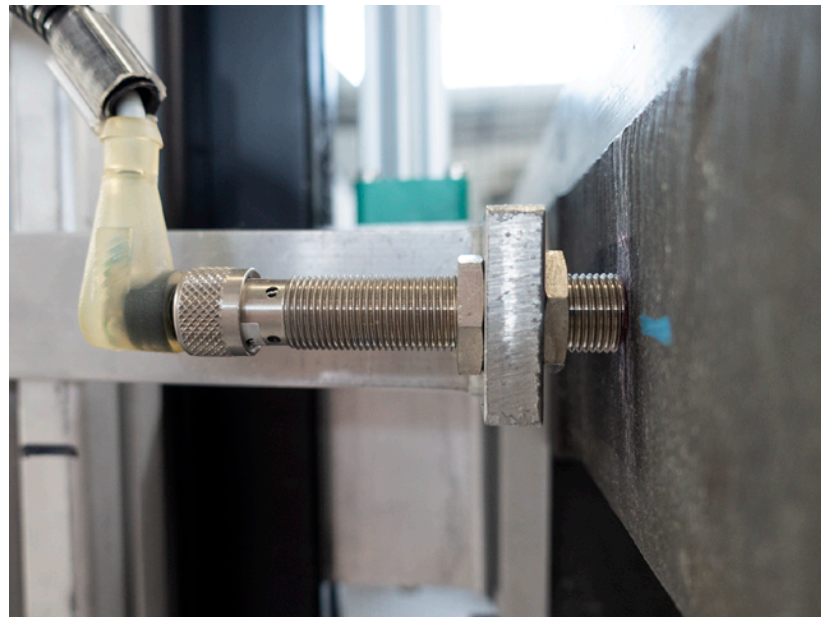


The machine is equipped with an **ELECTRIC PANEL** suitable for wall mounting and from which each parameter can be controlled and adjusted.

The connection to the panel is made with a single multipolar connector.

The same panel can be used for several machines and, upon connection, it automatically recognizes the connected machine.

# details of the AVCO upgrade - 2



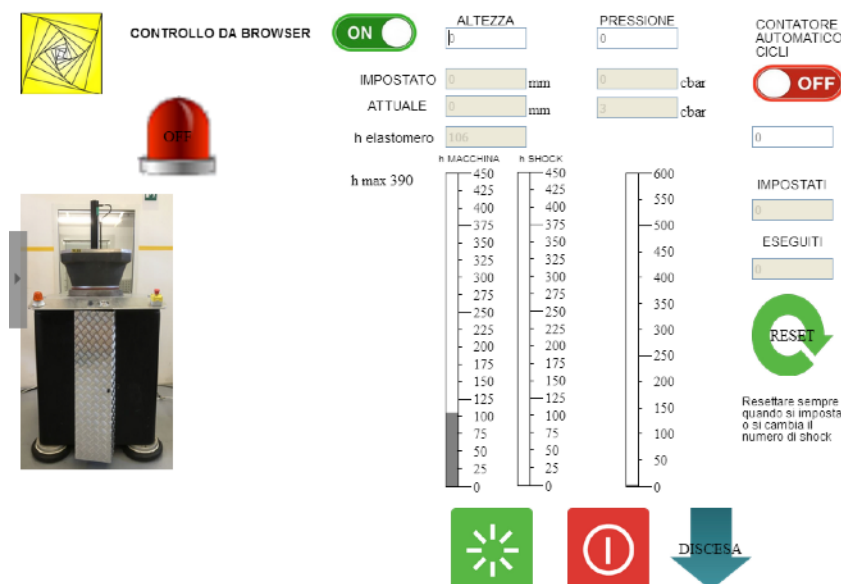
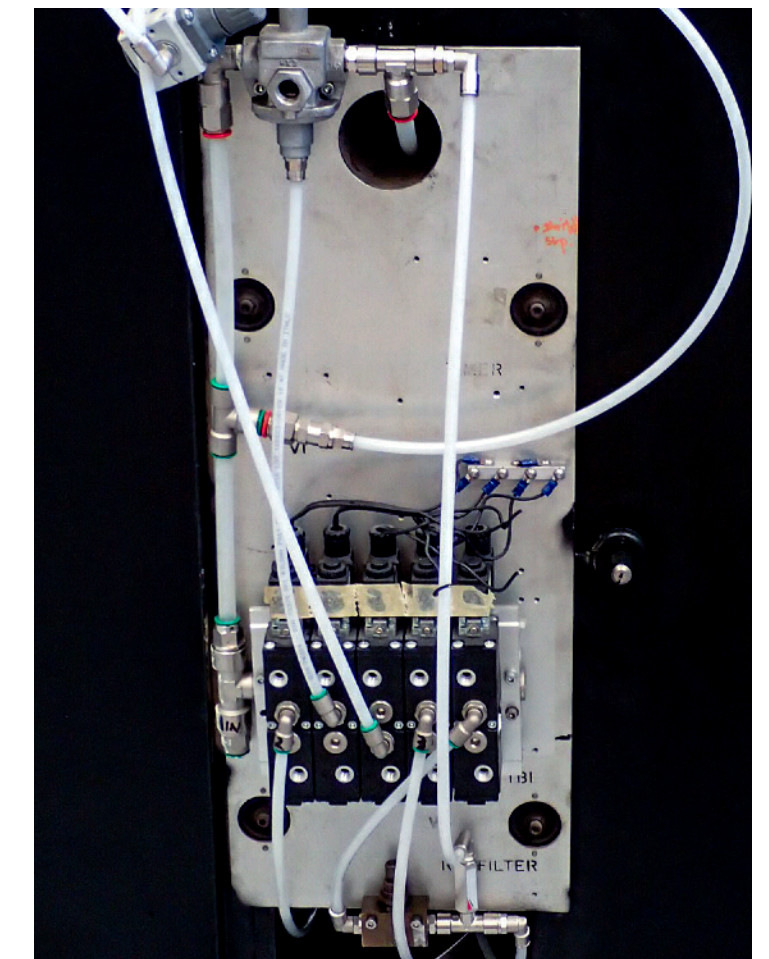
The **SENSORS SYSTEM** has been renewed with the use of a magnetostriuctive position sensor.

A proximity sensor has been adopted for the brake control, so that during the shock there are no mechanical contacts.

The center of gravity of the hammer is also balanced to improve the characteristics of the shock.

The **PNEUMATIC SYSTEM** has been entirely redesigned by adopting standard European-made components, so that maintenance is faster and less expensive.

A pressure sensor allows the operator to quickly and precisely adjust the filling of the cylinder before the shock.



A dedicated **SOFTWARE** allows control from browser.

It manages an emergency stop, drop height, internal pressure, and the number of shocks to be automatically performed.

The following are indicated in real time: the machine being used; the height position of the head, the thickness of the elastomer and the fall height of the head; the internal pressure of the shock chamber and the number of shocks made in the current session.



# AVCO upgrade in short





# the highlights of the **AVCO** upgrade

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**QUICKNESS** Time reduction between one shock and the next one (up to 80% on AVCO 220), immediate height and pressure adjustments via PC, series of shocks programmable with automatic execution and counting.

**REPEATABILITY** Variations between the shocks in a series with deviations from the reference values within +/- 5% versus +/- 20% allowed by the main standards.

**RELIABILITY** Modern components made in Europe allow less frequent ordinary and extraordinary maintenance works, quick and cheap.

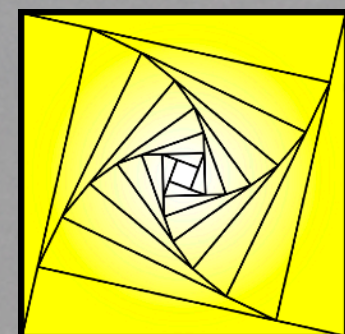
**PRACTICALITY** Operating controls fully managed by PC.

**SAFETY** Flashing light when the machine is operating. Emergency stop can also be activated from a PC. External interlock contact to be connected to the barriers provided at installation. The machine can be supplied with safety guards.

**RESTYLING** The machine is delivered completely renewed in terms of aesthetics too.

**WARRANTY** The upgrade is covered by a one-year warranty on the components.





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*What we deliver is a modern, new and highly performing machine.*

**For info or RFQs, pls contact us at mail: [info@centrotecnica.it](mailto:info@centrotecnica.it) - phone: +39(0)255305888**

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