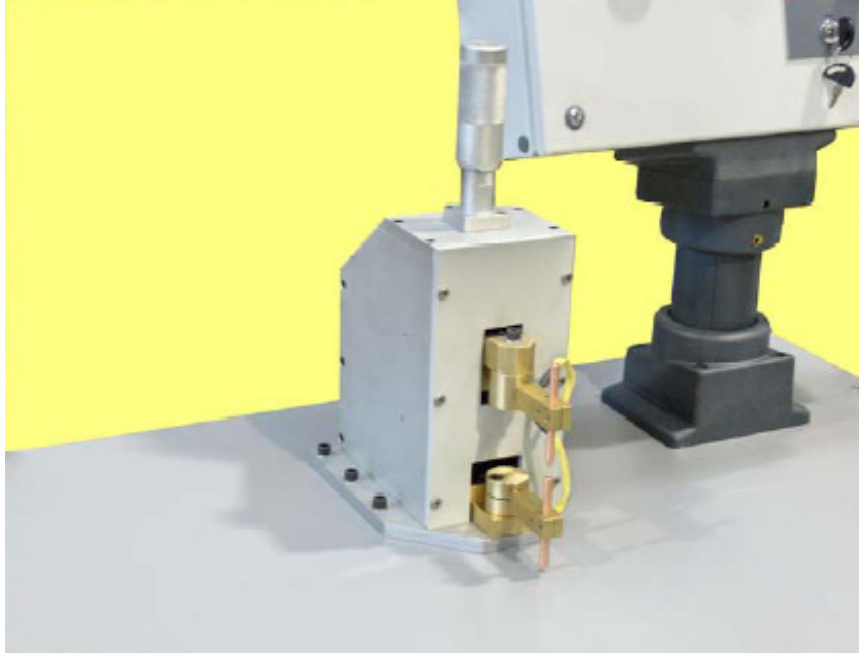


PAT 1 micro-welding machine





PAT 1 is the smallest bench welding machine of our production. Built in aluminium, it features the electrode slide moving on precision sphere runners. The arms of the electrode slide, with a hole with dia. 6, are mounted on steerable supports and can adapt to countless conditions. The electrode can be moved with the mechanic pedal or with the pneumatic cylinder, but the pressure regulation system is identical for both versions and is based on the compression of a spring and a latch. This makes both the force exerted by the operator on the pedal as well as the pneumatic force irrelevant, and furthermore, the response of the spring is much faster than that of the pneumatic system. The transformers available for the alternate current version are the 2/4 and 8 KVA, with the electronic commands R1 or R4. For the continuous current versions, instead, the inverter 15 KHz is available, with currents of 2500, 3000 or 6000 Amp, supplied with a constant current command. The classic application areas are the following: electronic component welding, thermocouples, light bulbs, costume jewels, goldsmith's art, etc. Many of these welding machines were sold in the laboratories of the most important universities in Italy and abroad.