

**Description:**

The equipment is a manned automatic workstation designed to manufacture an intermediate product which is used in healthcare. Incoming material is represented by a pouch welded from a foil and a plastic pin is welded into the pouch by the equipment and the equipment makes an embossed surface on the pouch at the same time. Thus treated pouch is ready for subsequent filling and sealing operations which take place on a different machine.

A working cycle starts when a shaped fixture is automatically slid out, the operator inserts a pin into the bed of the fixture and pulls an empty pouch over the pin. The automatic cycle of the machine is started by confirming the start button. The fixture will get inside the equipment where the pin is welded on and the embossed surface is made on lateral faces of the pouch. The fixture is then slid out from the machine and the operator will remove the intermediate product which has been treated in this way.

**Facts and interesting things:**

- The equipment is built in a cabinet made from milled cut sizes which are made from an anodized AL alloy. The equipment is covered with transparent covers on both sides and these covers are blocked with a security lock during the operation of the machine.
- The telescopic fixture is made from stainless steel, fitted with sensors which scan whether parts are present and whether they are correctly placed.
- The front part of the station is equipped with the control panel with operator's control elements and with the HMI touch screen.
- The fixture is moved by means of a pneumatic cylinder with a precise guidance system and its strength is reduced to eliminate any risk for the operator.
- Process parameters of welding and embossing are represented by temperature, pressure and process time. These parameters are monitored by calibrated meters throughout the entire process.
- The equipment is placed in clean rooms of medical manufacture.

**Basic technical data:**

Length:	1,050 mm
Width:	510 mm
Height:	980 mm
Weight:	230 kg
Power supply:	1 NPE 230V AC 50 Hz TN-S

