

MANUAL SOLDERING MACHINE

For the production of heatable backlites

The manual soldering machine is an economic solution to solder the connectors on heatable backlites. It is well adapted for flexible production as well as for using as a back-up unit for automated soldering systems. It gives excellent results and reliable soldering quality.

CONSTRUCTION

The equipment is a light-weight mobile unit with compact construction mounted on wheels. The soldering head, with two tungsten electrodes, is controlled pneumatically. The automatic feed of soldering wire is adjustable.

The workstation is a rotary table, where the glass is positioned.

SPECIFICATIONS

Total weight	120 kg
Electric supply	220 V, 50/60 Hz
Compressed air	6 bar

The equipment is mounted on wheels, and consists of

Power source

Soldering head

- as single head or with separate docking clamp
- 2 tungsten electrodes
- soldering wire on two coils
- adjustable feed of the wire
- operation controlled pneumatically
- electric supply for soldering, cable 25 mm²

Switch pedal

Balancer

Workstation

- adjustable aluminium frame support



OPERATING CYCLE

Manual loading of glass on workstation

Manual positioning of the soldering head on the glass or docking clamp

Manual feed of the connector

Automatic soldering cycle

- electrodes lowered
- power on
- soldering
- cooling period
- removal of electrodes

Removal of the soldering head
Manual unloading of glass

The soldering cycle is short : just a few seconds.

The soldering can be done immediately after tempering on a still warm glass, or later, after removing possibly oxidized surface.

All types of connectors are suitable, of copper or coated. Standard connector holder of the machine suits most connector types. Special holders are available according to customer needs.