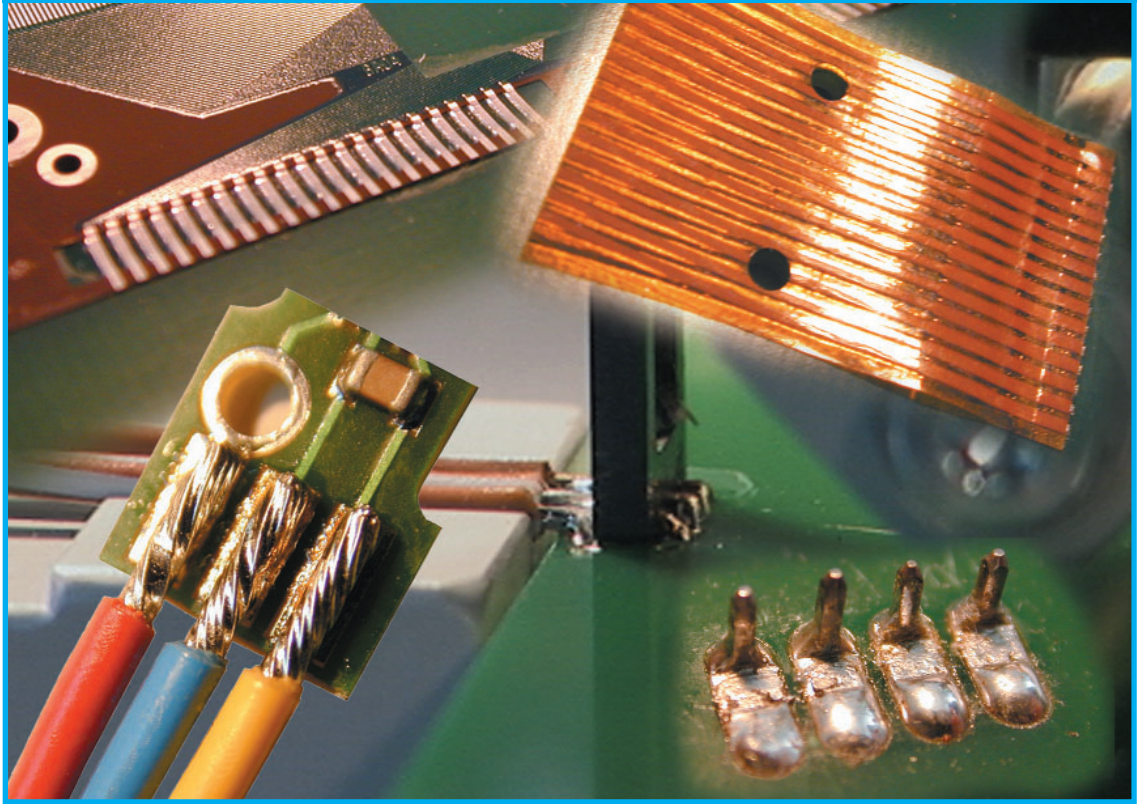


Hot bar soldering Heat sealing



DIN EN ISO 9001:2000
REG.-NR. 3948 QM
DEVELOPMENT, PRODUCTION AND
DISTRIBUTION OF INDUSTRIE ADHESIVES
AND APPLICATION EQUIPMENT

Manufacturing systems setting new standards...

HSC connections

Selective soldering

Flat Packs, TAB's, SMD

Cords soldering to PCB

Lead-free soldering

Optimized manufacturing processes in the sense of highest quality and minimized error rates as well as low production costs, especially in the areas of LCD and PCB manufacturing, demand an innovative production technology. For these purposes Panacol-Elosol offers intelligent, innovative systems for production technology in bonding techniques.

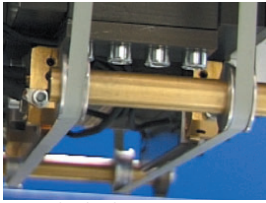
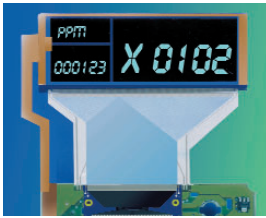
For instance hot bar soldering: soldering cords to PCB, pin soldering, soldering cables to a temperature sensitive fabric, soldering on polyester foils and much more. No problem for us to adapt our bonding technology to the required temperatures in the area of lead-free soldering!

Our machines can be designed and supplied individually according to special manufacturing requirements. Need to integrate our soldering technology to your production processes? We may be the right partner for you!

Panacol-Products like SMD-adhesives, coatings, conformal coatings, glob-top or anisotropic adhesives (ACA) add up to an optimal product range.

Adhesives and more...

www.panacol.com



Heat sealing head

Heat sealing HS-40i

Because of its modular structure and customer specific options, the HS-40i covers a wide range of uses. The standard sealing head can be fitted with up to two thermodes of different sizes (variable in height- and brightness). In combination with our anisotropic adhesives, this system is highly qualified for the LCD production.

Special advantages

- Modular structure for customer specific options
- Regulation of time, temperature and pressure substrate specific
- Impulse heating
- Processing at low sealing temperatures possible
- Control system equals that of BL-40i

Basic equipment

- Coding at the module plug
- Analogue temperature/time regulation
- Thermally conductive low voltage surge band
- Sliding table

Options

- Automatically adjustable band - in pieces or as complete strip (adjustable) among other features
- SPS-control
- CCD-camera-monitoring
- Fully automatic round plate



BL-40i Basic



BL-40i SPS

Hot bar soldering BL-40i Basic/SPS

BL-40i Basic Hot bar soldering machine at a cost effective price for lab applications and small ranges

Special advantages

- Free adjustable Temperature control
- Impulse heating for fast heating and cooling periods
- Direct contact to the solder or with foiled parts

Basic equipment

- Standard soldering bar 60 mm
- Two hand release
- Aluminium basic rack
- PMMA protection cover

Basis options (Basic, SPS)

- Automatical output of jigs
- Customized Soldering Bar
- Camera Package
- Fluxpen Monitoring

BL-40i SPS Standard hot bar soldering machine with PLC control for optimal soldering results

Special advantages

- Potential-free working area possible
- SPS-control for optimum soldering results
- Easy replacement of soldering head
- Precise temperature and time adjustment

Basic equipment

- 10 memory spots for temperature profiles
- Calibration function for new soldering bar
- Adjustable counting of number of pieces
- English as menu language
- PMMA-protection cover

Special options (SPS)

- Preparation of the Ultra-Puls® Soldering bar
- Automatic soldering depot control
- Soldering bar temperature control
- Rotary Table

Special machines



Special machine for cords soldering

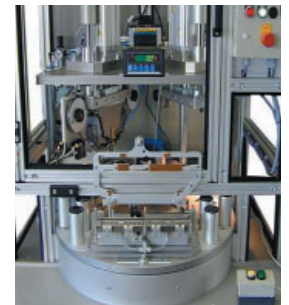
Customized machines for various applications

Special machine for cords soldering

- Automatical output of jigs: Easy insert and remove of the parts
- Secure working processes by constant quality control. The soldering depot is continuously controlled through a sensor.

Special machine with rotary table

- Soldering and positioning of two parts in one working process! Faster working processes through two component retainers.
- Secure operation by constant temperature control of soldering bar with a warning signal

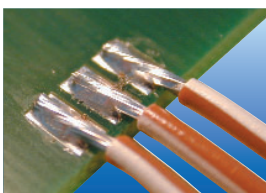


Special machine with rotary table

Exclusively by Panacol: cords soldering to PCB



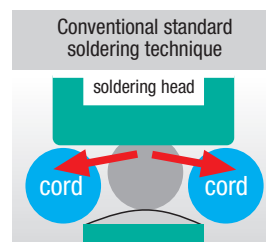
Moulded soldering head



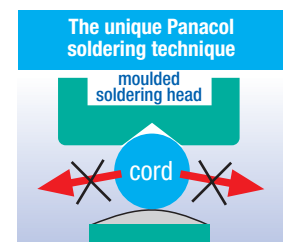
Our special advantage: Our moulded "Form soldering head" guarantees automatically optimal positioning of the cords on the soldering pads. The soldering head is designed with one or several mouldings, according to the number of cords to be soldered.

Soldering side by side of cords with various diameters (for ex. Ribbon cable) in one working process is possible!

- Precise positioning by moulded soldering head
- Simultaneous soldering at different positions
- Soldering in one working operation
- Precise soldering in crowded positions
- Improvement of process security and soldered junction



With flat soldering head commercially available, cables can slip from the pads



The Panacol-exclusive moulded soldering heads position and keep the cords on the pad