



# EUTECT

## SOFTWARE FAMILY

### MACHINE OPERATION MADE EASY

 We are constantly working on our software solutions in addition to continuously developing our machines. Besides the machines' operation software, the former also feature a broad range of software modules that simplify the use of the machines. We are constantly observing the market and compare notes with our customers in order to generate new ideas for our software modules. We implement these in our in-house development department.

Our software modules are part of the EUTECT module construction kit and you can selected them depending upon the application and requirements. All of the software modules are based on our hardware components and can be tested in house at our company.

You can form a picture of our software solutions in the EUTECT Technikum. In customized evaluations, we introduce you to the operating software as well as to the suitable modules for your process. These modules enable you to work even more quickly and economically with our machines.

# STANDARD-SOFTWARE

# OPTIONS

## PeteR: Parameter Recovery



PeteR ensures all of the machine's process parameters and jobs at the push of a button. Should something be misaligned or if a product has been removed from the EMI, then Parameter-PeteR can re-establish everything on request.

## MELLi: Machine Event Log List



MELLi records errors that were detected during the machine's operation and displays them in a window. Past events are displayed in an additional text box and you can view them at any time.

## ULi: User Login



We make user login and administration easy with ULi. You can grant a broad range of rights for operating the software - from operator, through installer, to administrator - through various user levels. Moreover the user login can be provided with an automatic, settable log-off function.

## ERICa: EUTECT Recording Inspection Camera



ERICa shows you live images so that you can monitor and teach the process from various perspectives. Moreover, an NOK process can be automatically saved. Manual process recordings are likewise possible. ERICa can fade in various cross-hairs for laser optics, which facilitates operation.

\*Only in connection with cost-bearing hardware

## EMI: EUTECT Machine Interface

EMI is responsible for movement in the soldering system. It encompasses the following functions for the NCI (axes) and robot modules:



### Product management

- Products can be created, edited, copied, and deleted.
- Assignment of products to WT codes (5-bit coding or via EMA)
- Management of jobs and solder-height regulation
- Sequence-program display (DAT, RC and NC)

### JobCreator

- Jobs can be edited graphically (touch and move), i.e. adding new points/lines and editing points/lines
- Setting various parameters: X, Y, Z positions + two auxiliary axes — rotational (D) and infeed

### DAT editor

- Manual jobs can be created by hand in the DAT editor.

axis (E), swap-in and swap-out speed, process speed, dwell time (process time or process parameter), index (sequence), MFN (multi-use — one job can be executed repeatedly shifted in X, Y, and Z)

■ Teach mode: Move towards selected co-ordinates (X, Y, Z, D, and E) in order to correct and assume current axis positions, or to add new elements into the job from the current position.

## SaRA: Surveillance and Receipt Assistant



All of the recipe parameters can be managed with SaRA. It stores all of the parameter changes and defined PLC values in a database so that the effects on the process can be documented.

## ERWin: EUTECT Reporting Window



ERWin selects the assistants' desired data and displays it clearly in a window. Corresponding reports can be generated and printed or stored in PDF format at the press of a button.

## MaRCo: Machine Remote Control



MaRCo makes your machine's control system mobile, because MaRCo helps you to establish a freely configurable user interface for using the machine control system over a mobile device. Various machine parameters can be controlled and displayed in the process:

- Axis movements and states
- Cylinder positions
- Parameters and values
- Error acknowledgement

\* Only in connection with a hand-held panel

## EVA: EUTECT Verify & AOI



No component gets passed unseen at EVA. The automatic visual inspection checks all of the components for possible errors. Abnormalities can be re-scrutinized at the verify station in order to verify the previous inspection's evaluation.

\*Only in connection with Keyence XR (AIO system)

## ELMar: EUTECT Language Manager



ELMar reads all of the texts from the PLC and creates an Excel spreadsheet from them, which can be used for translation. The software can thus be quickly and easily prepared for another language.