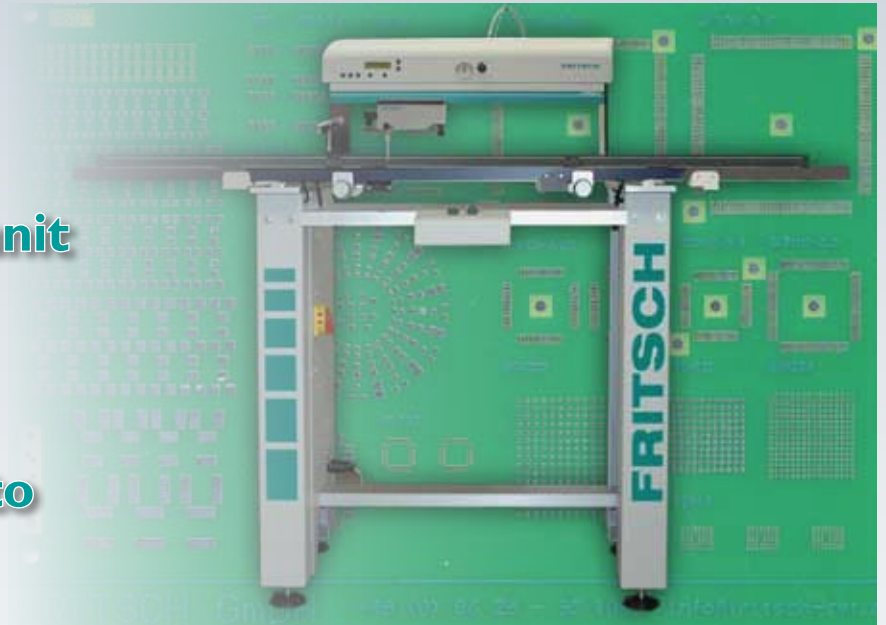


**Ergonomic**

**Integrated dispenser unit**

**X/Y/Z Locking**

**The optimal addition to  
placeALL® smartLINE**



The LMinline is the intelligent combination of the proven LM901 manipulator and the inspection conveyor. This combination, used in the operation of placeALL® smartLINE, allows to do manual pre-or rework at PCBs. As a standalone version circuit boards can be easily dispensed and placed. The PCB moves automatically through motor driven belts in the assembly area of the LM. By pressing a button, the finished product can be fed to the next step. Using simple width adjustment size of board can be adjusted easily.

**Ergonomic**

The unrivalled smooth-running guide of the mounting head helps to place the SMDs accurately. When the pipette comes into contact with the components, the vacuum automatically switches itself on and when placing them, it switches off.

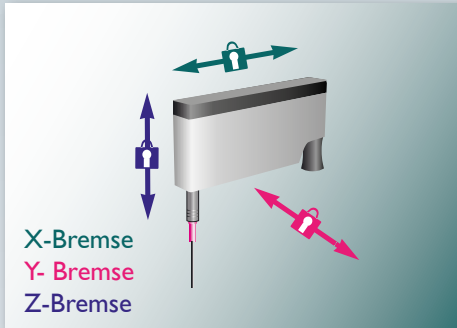
**Integrated dispenser unit**

A simple time-pressure dispenser system is available for the manipulator. Besides soldering paste and adhesive, other media can also be dispensed.

The dispenser system automatically switches on the dispensing process as soon as the slanted dispenser needle comes into contact with the PCB. The vertical syringe ensures that the dispenser needle does not slip sideways when touching the PCB. Three programmable dispensing times are available for the dispensing on different pad sizes. They can be preset in the menu as required.



**CLASSIC**



## X/Y locking

The X/Y locking device (fig.) ensures precision mounting. Individual movement axes can be locked. An automatic function independently locks the X and Y axes when the components are lowered or when placing a dispenser dot. This makes it particularly easy to place Melfs.

## Z locking device

The Z magnetic brake makes it possible to suspend the components close to and above the PCB. This enables fine pitch components and special makes to be easily mounted because the PCB and the component can be aligned exactly.



## Head lightening

The dual LED-light of the pick and place area can be integrated optional. The LEDs are placed on both sides of the nozzle and enable the constant and permanent lightening under the assembling head. The integration into the control mode of the Manipulator allows the menu routed activating - depending on application, intensity can be adjusted.



## Camera fixture

By means of a camera attached directly to the assembly head, you can view the entire pick & place and dispense process – enlarged on a monitor.

## Flexibility of the component feeders

Various feeders can be installed and exchanged fast – even as complete sets. This means the whole range of SMD shapes can be processed: Chips, Melfs, SO-, PLCC- and QFP components etc.

It is only possible to use feeders from backside.



## Technical data

Dimensions: 1000 mm x 800 mm

Max. size of PCB: 245 mm x 800 mm

Max. assembling area: 245 mm x 350 mm

Subject to change 8/2013

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