

paraquda.

Paraquda-MFC is an entire SMT Workcell in a single Machine

The combination of high-speed dispensing / jetting of fluids and placing miniature components offer unreached advanced automation solutions for micro system assemblies.



- 4-axis placement head, up to 12'000 cph*
- Up to 240 feeder lanes
- Component range 01005 to 80x70 mm, height up to 25 mm
- Integration of 2 dispensing valves via plug-and-play
- Up to 100'000 dots/h
- Combination of jet and needle valves
- Process sequencing using the platform ePlace
- Job and quality management integrated

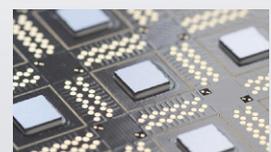
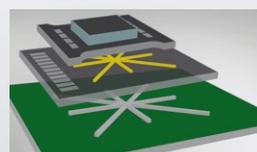
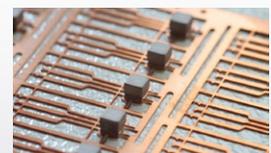
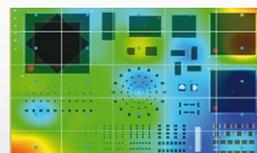
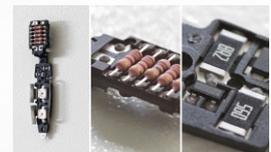
*max. placement speed



Process Sequencer / 3D Stacking

The Software allows for an unlimited number of dispense and placement cycles on any substrate or work holder. A typical sequence would be:

- 1. Insert empty tray
- 2. Pick bottom shell and place in tray
- 3. Dispense first fluid in 3D pattern
- 4. Pick components and place in bottom shell
- 5. Dispense second fluid
- 6. Pick top shell and close housing



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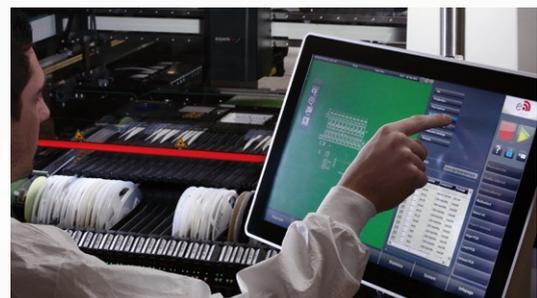
High-Speed Jetting of Solder Paste and Glue

The Paraquda offers the ability to be equipped with a wide variety of dispensing valves for solder paste, adhesives or dam-and-fill materials. Prototypes are easily assembled without the need of stencils reducing your turnaround time considerably. Expensive stepped stencils can be eliminated with the dispensing of additional solder paste. The same software is used as on the Scorpion and offers identical professional high speed dispensing solutions.



Process Sequencing on ePlace Software

The Paraquda ePlace software allows for advanced job planning. All relevant information is displayed graphically. An unlimited number of dispense and placement cycles on any substrate or work holder can be processed. Complex CAD data is displayed as a virtual circuit board with realistic images of components. Operators can pre-check the programs visually. Live monitoring during production.



High Precision Placement Heads for all Applications

The Paraquda placement system is equipped with an optical fly by alignment system. A superior placement quality is achieved through the measurement of pins for parallelism and tolerances at the same time as the orientation of the components. All parts are recognized with a programmable camera system with adaptive lighting. Teaching of new or unknown SMT parts is easily achieved with a self learning software function.

