

paraquda.

The new Paraquda is a fast and accurate placer & dispenser

The Paraquda features easy programming and set-up, an intelligent feeder and inventory concept and enables changeover with no downtime.

The Paraquda-family offers proven features and plug & play options that make it even more flexible for process control.

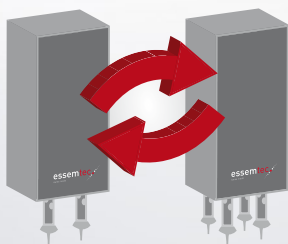


- 2-axis placement head, up to 10'500 cph (PARA2)
- 4-axis placement head, up to 15'000 cph (PARA4)
- Up to 240 feeder positions
- Component range 01005 to 80x70 mm, height up to 25 mm
- 2 dispensing valves can be integrated
- Intuitive, easy operation using the new platform ePlace
- Job and quality management integrated
- Changeover without downtime
- Paraz has the same options and flexibility as PARA4

paraquda2. ↔ paraquda4.

„Upgrade / Rent 2 nozzles“

High speed solder paste jetting



- P&P head exchange from PARA2 to PARA4
- Rental of PARA4 P&P head for PARA2 machines

- Min. dotsize: Ø 0.4mm with T6 solder paste
- Speed up to 80'000 dots/h
- Placement accuracy XY dots: 51 µm @ 3σ
- Common solder paste type T4, T5, T6 and T7
- Pneumatic Actuator
- Easy cleaning 1x per week, effort approx. 5-10min.
- Lifespan of valve 200-300 million shots

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paraquda.

*The new Essemtec Paraquda
high speed placer and dispenser*

*Best in class SMT production is guaranteed with
high feeder capacity, intelligent kitting, combinati-
on of pick-and-place and dispensing processes, and
a universal range of placeable components.*

Dispensing on pick-and-place systems

The Paraquda offers the ability to be equipped with a wide variety of dispensing valves for solder paste, adhesives or dam & 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 software is the same as the high speed jet dispenser Scorpion and offers identical professional high speed dispensing solutions.

Operation and programming

The Paraquda ePlace software has an excellent menu structure and hence is very easy and intuitive to learn. All relevant information is displayed graphically. Complex CAD data is displayed as a virtual circuit board with realistic images of components and therefore comprehensible for anybody. Operators can check the correctness of their programs visually. During operation the progress is displayed.

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. Complex parts can be recognized with a programmable camera system with adaptive lighting. Teaching of new or unknown SMT parts is easily achieved with a fully automatic software function.

