

paraquda.

The 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.



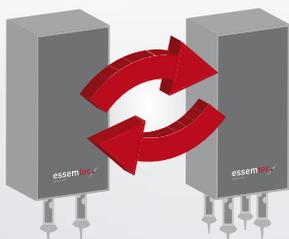
- 2-axis placement head, up to 8'400 cph* (Paraquda2)
- 4-axis placement head, up to 12'000 cph* (Paraquda4)
- Up to 240 feeder lanes
- Component range 01005 to 80x70 mm, height up to 25 mm
- 2 dispensing valves can be integrated
- Intuitive, easy operation using the platform ePlace
- Job and quality management integrated
- Feeder exchange during production
- Paraquda2 has the same options and flexibility as Paraquda4

*max. placement speed

paraquda2. ↔ paraquda4.

„Upgrade / Rent 2 nozzles“

High speed solder paste jetting



- P&P head exchange from Paraquda2 to Paraquda4
- Rental of 4-axis placement head for Paraquda2

- 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

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*The Essemtec Paraquda
high speed placer and dispenser*

*Best in class SMT production is guaranteed with
high feeder capacity, intelligent kitting, combina-
tion of pick-and-place and dispensing processes,
and a wide range of component handling.*

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 same software is used as on the Scorpion and offers identical professional high speed dispensing solutions.

Operation and programming

The Paraquda ePlace software has an excellent menu structure and 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 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.

