











### **Summary**

Compared to the existing methods of component placement and treatment, the new placement technology implemented in a rework system opens up a field to repair complex electronic assemblies. At the same time competitive cameras and stepper motor axes allow to introduce this technology on a more widely accepted price level.

Accuracy and repeatability of the procedures are increasing along with the higher degree of automation in the machine which can operate standard SMT components and bottom terminated components from 1 x 1 mm to 50 x 50 mm without any special tools for desoldering, soldering or placement. No component data needs to be supplied or evaluated; the operator can execute the rework process starting with the first assembly and the first component. The success rate can easily rise by more than 10 % compared to simple, non-automated repair procedures.

Automated processes can save up to 30 – 50 % of the operator's time. The alignment of components is done by the rework system and the operator can concentrate on other activities with operator generated alignment mistakes removed reducing defects during rework.

### **References**

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