

## Fast and Easy Positioning LPKF ProtoPlace E4

- Exact component placement by camera support
- Ergonomic one-hand operation
- Flexible work area via magnetic PCB holders
- Ready to use immediately – no additional installation required



# Fast and Easy Positioning

## Manual Pick & Place System for PCB Prototypes

For populating PCBs with tiny SMD components, the support of a pick and place system is required. With the LPKF ProtoPlace E4 manual pick & place system, the components are safely removed from the component trays or integrated tape feeders via vacuum needle. The ergonomically formed placement head is guided to the appropriate point above the circuit board, the component is placed, and the vacuum is deactivated – all very easily with just one hand. Precise work is supported by the integrated camera, the monitor right above the work surface, and the smooth motion of the axes.

Multiple needle diameters are required to hold a wide variety of components securely. Common needle diameters are included with the system to make the ProtoPlace E4 immediately ready for use.

For components to be placed with the ProtoPlace E4, solder paste must first be deposited onto the corresponding pads on the circuit boards. This is ideally done with the dispensing function of an LPKF ProtoMat or via stencil printing with the LPKF ProtoPrint S4.



### LPKF Edition SMT ProtoPlace E4

<b>Max. PCB size</b>	340 mm x 170 mm (13.4" x 6.7")
<b>Min. PCB size</b>	8 mm x 8 mm (0.3" x 0.3")
<b>Max. placement area</b>	270 mm x 170 mm (10.6" x 6.7")
<b>Max. PCB thickness</b>	10 mm (0.4")
<b>Height below the PCB</b>	18 mm (0.7")
<b>Placement head stroke</b>	Max. 25 mm (0.98")
<b>Min. component size</b>	0402 – 70 x 70 mm (2.8" x 2.8")
<b>Component trays / tape feeder</b>	36/5
<b>Dimensions (W x D x H)</b>	600 mm x 600 mm (840 mm) x 200 mm (23.6" x 23.6" (33.1") x 7.9")
<b>Weight</b>	15 kg (33 lbs)
<b>Ambient conditions</b>	15 °C – 30 °C (59 °F – 86 °F) / 50 – 75 %
<b>Compressed air</b>	Integrated
<b>Power supply</b>	220 – 240 V, 5 VA; for 110 V use adapter (LPKF Order Code 10111531) needed

