

SMD Assembly

Simple Placing of the Component by Pressing one Single Button

Semi-Automatic BGA Placer

- Placing of components from 5 mm x 5 mm up to 45 mm x 45 mm
- Granite base plate
- Air cushion positioning table
- Verification after placement



LPKF[®]
Laser & Electronics

Machine technology

Placement of components, where leads are seen neither from an angle nor from the topside, required reliable and precise alignment due to expensive available inspection system and difficult repair options.

The ZelPlace BGA placer is designed for accurate placement of different types of BGA, CSP and Flip Chip components as well as large fine-pitch and ultra fine-pitch components. System is suitable for R&D departments and prototyping labs and companies with automatic placement machine with no capability for placing these components accurately.

Special optics and adjustable two colours illumination help us to view simultaneously both images, the PCB pads and component pins, and align them. Rough and fine adjustment is achieved by the use of air cushion table and its micrometer screws.

Once adjusted, you can place the component by single button pressing.

LPKF ZelPlace BGA can be combined as additional device to all SMT prototyping sets.

Components, which can be placed with existing CCD camera and monitor (existing resolution):

PLCC 50 mils (1.27 mm)
SSOP 0.65 mm - 64 leads
TSOP 0.50 mm - 48 leads
QFP 0.8 mm - 120 leads
QFP 0.65 mm - 100 leads
QFP 0.65 mm - 160 leads
QFP 0.5 mm - 176 leads
QFP 0.4 mm - 176 leads
LQFP 0.3 mm - 168 leads
BGA 1.5/1.27 mm
BGA 1
µBGA 0
µBGA 0

or for Q
0.65 mm
0.5 mm
0.4 mm

www.lpkf.si

Technical Data

Dimensions (W x L x H)	600 mm x 435 mm x 430 mm
Weight	35 kg
Placement accuracy	+/- 50 µm
Max. PCB size	220 mm x 300 mm
Max. size of components	45 mm x 45 mm
Min. size of components	5 mm x 5 mm
Raster	pitch 0.3 mm
Compressed air oil free supply	6 bar, min. 5 l/min.
Power supply	230 V / 50 Hz or 115 V / 60 Hz, 20 VA

Specifications are subject to change without notice due to improvements in design.

LPKF[®]

Laser & Electronics

LPKF d.o.o.
Planina 3 · 4000 Kranj · Slovenia
Tel. (+386)4/20 13-800 · Fax -820
E-mail: info@lpkf.si · Internet: http://www.lpkf.si

LPKF Laser & Electronics AG
Osteriede 7 · 30827 Garbsen · Germany
Tel.: (+49)5131/7095-0 · Fax: -90
E-mail: lpkf@lpkf.de · Internet: http://www.lpkf.de

Contact your LPKF Representative for Details:

Magyarországon forgalmazza:

PANNONCAD KFT.

1155 Budapest, Dembinszky u. 1.
Tel.: 305-0250 Fax: 305-0249