This equipment is designed for pcb through hole via filling.

Surfaces planarized with MASS Plane Raze Device SV 100

Function:
The pcb is placed horizontally on the registration pins. The paste is stored in a changeable cartridge. A piston (air pressure controlled) is pressing the paste into the holes of the pcb. This is a “one step” process and there is no risk of getting air bubbles inside the holes. Paste pressure and head pressure are manual adjustable. The movement of the Y-axis is controlled by a servo motor; the X-axis must be positioned manually by hand.

Paste Delivery:
As with the VCP vertical filling machines, the paste delivery is from a standard 12oz or 6oz or smaller cartridge. The paste is pressed into the via fill head via pneumatic pressure on the back of the plunger in the cartridge. Different head sizes can be used. If, however, a head size larger than 6” is required, then the pressure bar assembly must be exchanged against one that allows the capability of pressing a long head up to 24” long evenly across the entire width of the fill area. Also, as with the vertical VCP machines, face plates with different opening sizes can be used with a given head size.

The inks for this process are:
- Silver- and copper paste (conductive)
- Epoxy Fill (Non-conductive) Sanei, Peters, Taiyo, Coates

System Data:

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>35 x 47 x 60” (870 x 1200 x 1500 mm)</td>
</tr>
<tr>
<td>Panel size</td>
<td>max. 24 x 30” (610 x 762 mm) 16 to 315 mil (0,4 – 8 mm)</td>
</tr>
<tr>
<td>Fill system</td>
<td>5” (125 mm) fill head, heated (Option)</td>
</tr>
<tr>
<td>Paste capacity</td>
<td>6 or 12 oz cartridge</td>
</tr>
<tr>
<td>Connection</td>
<td>230/110V, N, PE, 50/60 Hz, 0,3 kW</td>
</tr>
</tbody>
</table>

Advantages:
- “Partial” Via Hole Filling of through holes
- Less waste from the very valuable Silver Paste
- Using high paste pressure to fill high aspect ratio (1:40) boards
- No direct contact between the compressed air and the paste
- Heatable head available (option)

For more information, contact:

MASS GmbH
Tel.: +49 2942 9702-0
Fax: +49 2942 9702-30
www.mass-pcb.de
info@mass-pcb.de

all4-PCB (North America) Inc.
Tel.: +1 818 265 7162
Fax: +1 818 265 7403
www.all4-pcb.com
contact@all4-pcb.com
- Panel Size: max. 24x30 inch
- Plugging Area: 5 inch
- Pressed Air: min. 75 PSI
- Elektr. Supply: 110V 60Hz, 0.5kW
- Heatable Head: optional