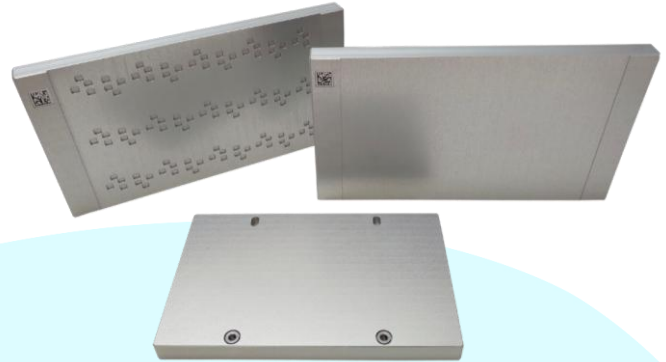




ALUMINIUM SUPPORT TOOLS

Our high-precision aluminium support tools are expertly crafted to address common challenges in PCB assembly. Designed to assist with processes such as stencil printing and component placement, they help mitigate board warping, flexing, and uneven heat distribution—enhancing consistency and improving production yields.

Constructed from anodised aluminium, these tools are built for durability and long-term performance, even in demanding manufacturing environments. Their robust design contributes to improved operational reliability while helping to reduce overall production costs.



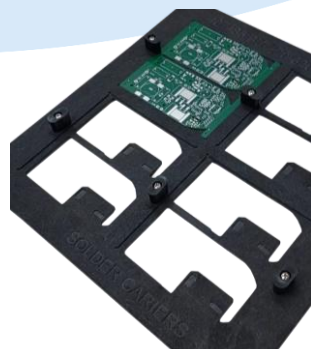
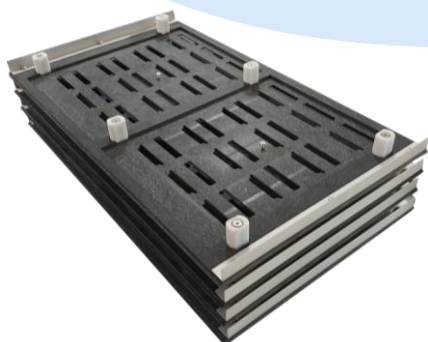
PCB CARRIERS

PCB carriers play a crucial role in securing and transporting circuit boards throughout various manufacturing stages, including assembly, inspection, and soldering. They provide stability and protection, ensuring seamless transitions through the production line.

- **Extended Stencil Life:** Our carriers are designed to minimise stencil wear, reducing maintenance requirements and downtime. This extends the stencil's lifespan, leading to lower operational costs.
- **Enhanced Print Quality:** By maintaining precise alignment and board flatness during solder paste application, our carriers ensure consistent paste deposition. This reduces defects, minimises rework, and enhances overall production efficiency.
- **Short Circuit Prevention:** Our specialised design prevents solder paste from spreading to unintended areas, reducing the risk of electrical shorts and contamination. This enhances product reliability and reduces costly defects.

Specifications:

- **Materials:**
 - Durastone:** High-strength and durable, ideal for demanding applications
 - Ricocel:** Superior mechanical strength with excellent thermal stability
 - FR4:** A lightweight, cost-effective, and widely used material
- **PCB Size:** Max 550mm x 450mm
- **Thickness:** 3 - 10mm (max 4mm for FR4)
- **Thermal Resistance:** Durastone and Ricocel: 300-350°C



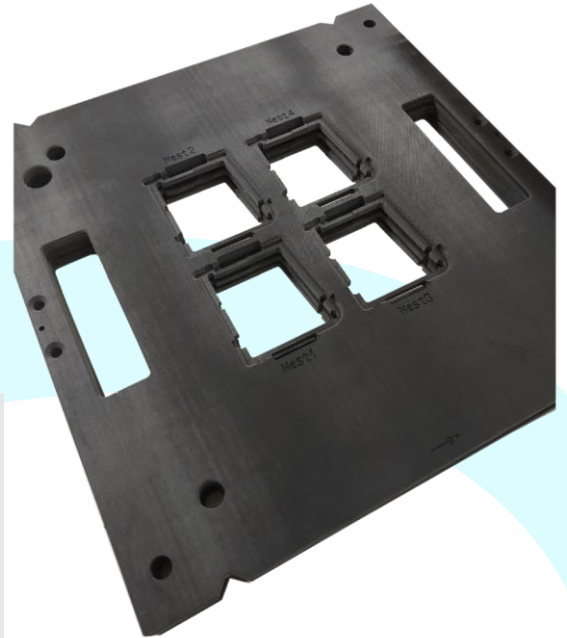


PCB WAVE SOLDER PALLETS

Wave Soldering Pallets

Wave solder pallets are essential for optimising PCB assembly, ensuring smooth and efficient production. These pallets enhance throughput by securely holding components in place, facilitating the soldering of through-hole components with precision.

Additionally, wave soldering pallets provide accurate masking for bottom-side components that should not be exposed to solder. This prevents unwanted soldering while safely guiding the PCB through each stage of the process.



Specifications:

- **Materials:**
 - Durastone:** High-strength and durable, ideal for demanding applications
 - Ricocel:** Superior mechanical strength with excellent thermal stability
 - FR4:** A lightweight, cost-effective, and widely used material
- **PCB Size:** Up to 550mm x 450mm
- **Thickness:** 3 - 10mm (max 4mm for FR4)
- **Thermal Resistance:** Durastone and Ricocel: 300-350°C

DALEBA
Printed Circuits