

Electronics.

Sophisticated technology



Overview.

Our electronics facility is housed in an environmentally controlled clean room that is furnished with sophisticated technology for manufacturing printed circuit board assemblies (PCBA), for supply to customers around the world.

We offer:

- In-house design capability for a diverse range of solutions
- Electronic engineering design expertise covering analogue and digital
- Use of Altium PCB design software
- Development of different levels of pre-manufacture prototypes
- Global economies of scale for component purchasing
- Full volume scale-up capability

Capabilities.

- Surface mount technology lines
- Two dedicated SMT lines cater for lead and lead-free PCB products
- Yamaha YSM20: High efficiency modular pick and place machine
- Yamaha YS12: Compact high-speed modular pick and place machine
- Yamaha YSiV: High-end hybrid 3D optical inspection system (AOI)
- Pillarhouse Orissa Synchrodex: Flexible, in-line, modular selective soldering system
- Kohyoung KY 8030-3. 3D solder paste inspection machine
- Hand processing: Various through-hole or non-standard parts/components including wires, headers and connectors
- GKG GS: Fully automatic vision screen paste printer
- Pick and place reel component sizes down to 0402 and 0201
- Dage Explorer One. X-ray system with 3D inspection capability, up to 2um focal length

Laser marking

- Eunil ELM 500A: Fully automated laser printer

Conformal coating

- Selective conformal coating and UV-curing system

Terminal insertion

- Tyco P100. Stand-alone fully-automatic pin insertion system.

Auto segregation/de-panel

- Martin router offline depanelling machine
- FKN Systek K4000. V-Groove depanelling machine
- FKN Systek N100. Nibbler depanelling machine

Testing

- PET tester
- Ability to design and manufacture dedicated electrical functional testers
- In-process testing. Customised functional testing, automated optical inspection, draw test and illumination.

Contact us for more information.