



Production Capability – PCBA

- Suga has 15 SMT lines in China factory and 6 SMT lines in Vietnam factory.



FAI



X-Ray

GKG Printer:

- Printing Accuracy $\pm 18\mu\text{m}$
- capability: 01005, 0.25pitch

SPI PENTRO:

- Double 3D camera head, Moire fringe light, 2D Color algorithm;
- Detection height :0-450 μm .

Mounter:

- mounter Accuracy $\pm 0.035\text{mm}$ (IC $\pm 0.025\text{mm}$)
- Chip description: 01005~55 $\times$ 55mm W45 $\times$ L 100mm Connector

Reflow:

- 20+ heating zones
- Accuracy of temperature control : $\pm 1^\circ\text{C}$

AOI:

- 140FPS ultra-high speed camera + custom tele-centric lens + fifth-generation composite tower LED coaxial light source;

FAI:

- Automatic programming
- Fast detection, automatic judgment results; Generate the first report,

X-RAY:

- Accuracy : $< 0.1\mu\text{m}$
- Power: 160 kV /10 W
- μCT (3D Axil)

Type	Process	Board size	Layers	Components
Main board	Mixed technology, Through hole-reflow, SMT double sides, twice reflow and single wave soldering, Flex PCBA Rigid-flex PCBA	605x 380x 1.6 mm; ENIG surface finish	14	0.35mm Pitch QFN 0.4mm Pitch connector 0.35mm pitch BGA 01005 chip 45*45mm IC package W45*L100mm Connector