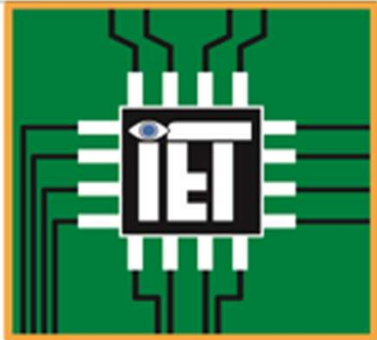
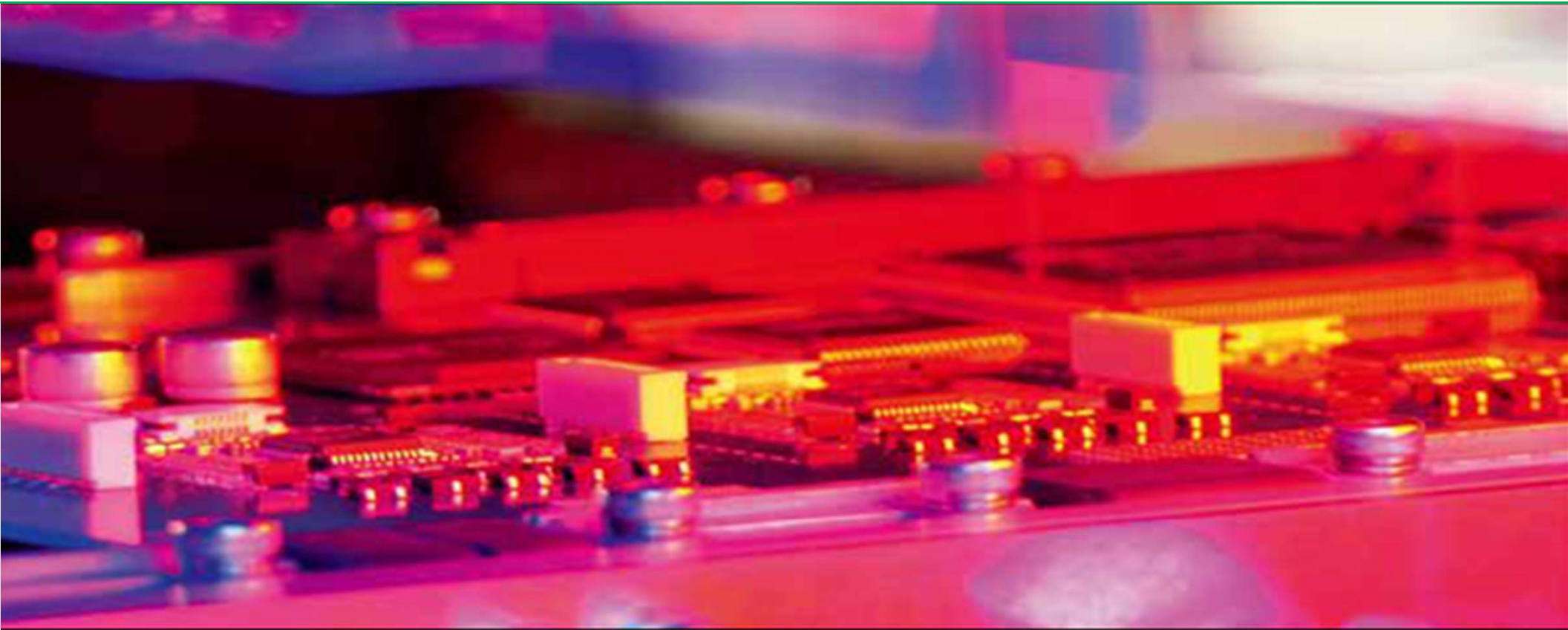


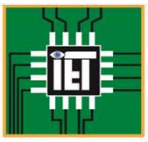
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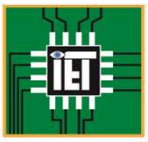
# INDEX....

- ❖ InFocus Electronics Technology SMT Facility
- ❖ Equipment Overview

# SMT Line Manufacturing Capability - Electronics

- ❖ One Assembly line with total Placement Capability Of 42000 CPH.
- ❖ SMT, Through Hole Capability and Assembly.
- ❖ ROHS Capable Equipment.
- ❖ High mix, low to medium volume assembly Capability.
- ❖ Fully Automatic line configuration.
- ❖ High Configuration SMT assembly lines.
- ❖ Maximum 510 X 450 MM PCB Assembly.
- ❖ Very least component in industry Fine Pitch SMT(008 – 004), Through-hole and POP assemblies.





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# SMT Line



Automatic Loader



HC Automation  
HP600E



3D SPI Mirtec MS 11



Pick & place - YAMAHA YSM20R



Router GAM320L



OK & NG Unloader



3DAOI- Mirtec MV-6 OMNI



Reflow- JT 800R



# Machinery Details

Solder Paste Printer



## Technical Parameters

- Model No./Name : HP-600E
- Accuracy :  $\pm 0.01\text{mm}$
- Repeat Accuracy : 2 Cpk @  $\pm 25$  microns ( $6\sigma$ )
- Machine Alignment Accu : 2 Cmk @  $\pm 12$  microns ( $6\sigma$ )
- Standard cycle time : 8 Seconds
- Maximum printing surface : 600 mm (X)  $\times$  500 mm (Y)

Solder Paste Inspection



## Technical Parameters

- Model No./Name : Mirtec MS-11e 3D SPI
- Inspection Speed @30  $\mu\text{m}$  : 61.8  $\text{cm}^2/\text{sec}$
- Resolution : 12 million pixels
- Height-resolution lens : 0.1  $\mu\text{m}$
- Board Size Min : 50 x 50 mm
- Board Size Max : 510 x 460 mm

# Machinery Details

Pick & Place Machine



## Technical Parameters

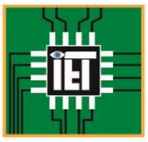
- Model No./Name : YSM20R
- Mounting Accuracy :  $\pm 0.035\text{mm}(\pm 0.025\text{mm})\text{Cpk} \geq 1.0 (3\sigma)$
- Mounting capability : 42000 CPH
- Applicable PCB Size Min : L50 x W50
- Applicable PCB Size Max: L810 x W490
- Capable of placing size : 008004" – 56x56mm
- Capable to place QFP : 0.1 mm
- Capable to place BGA : 0.1 mm
- Feeder Capacity - : 140
- Different Tray can be used

Reflow Oven



## Technical Parameters

- Model No./Name : JTR-800
- Heat Zone : 8 Zone
- Cooling Zone : 3 Zone
- Conveyor Height : 900+/-20mm
- Temp. Setting Range :  $300^{\circ}\text{C} \pm 10^{\circ}\text{C}$
- Total Length of Heat Zone : 3110/600 mm



# Machinery Details

## Automatic Optical Inspection



### Technical Parameters

- Model No./Name : MV-6 OMNI
- Resolution : 9.8um, 13.4um
- Top-Down Camera Opt : 10MP
- Board Size Min : 50 x 50 mm
- Board Size Max : 510 x 460 mm
- Inspection : 3D Based

## PCB Separator



### Technical Parameters

- Model No./Name : GAM320L
- Valid Cutting Size : 450× 500mm
- Cutting function : Round and round solution
- Repeat precision : ±0.01mm
- Cutting precision : ≤±0.1mm
- Max moving speed : Z:350mm/s
- Cutting speed : 0~100mm/s adjustable

# Machinery Details

## Wave Soldering Machine



### Technical Parameters

- Model No./Name : WSM 300
- Wave Width : 11.8" (300mm)
- Max Wave Height: : 0-3/8"/0-10mm
- Solder Pot Capacity : 200 lbs (90 kgs)
- Max Preheat 3 Temp : 428°F (220°C)
- Max Conveyor Speed : (6) ft/min

## Dry Cabinet

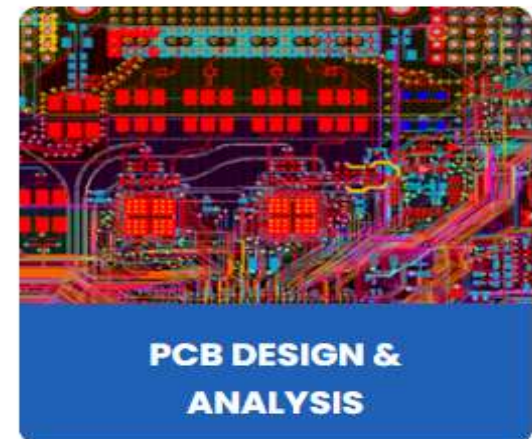


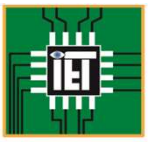
### Technical Parameters

- Model No./Name : Unisert
- Size : 450mm\*450mm\*1010mm
- Humidity Control Range : 20%-60%
- Volume Capacity : 90L
- Control Interface : LCD
- Construction : Steel

# OUR KEY STRENGTH

- ❖ Surface Mount Technology
- ❖ Through Hole Technology
- ❖ Mechanical Design
- ❖ Design for manufacturing (DFM)
- ❖ Design for Assembly (DFA)
- ❖ Failure Analysis
- ❖ PCB Design & Analysis
- ❖ Conformal Coating
- ❖ Final Assembly

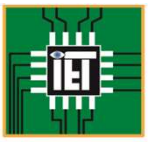




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# OUR FACILITY

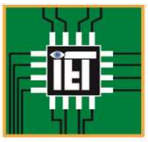
- ❖ Quality Management System.
- ❖ Fully ESD Controlled Environment.
- ❖ Class 8 clean room.
- ❖ Component Level Traceability
- ❖ DFM & DFA.
- ❖ FMEA.
- ❖ IPC Certified Engineers.
- ❖ Data Storage.
- ❖ Stencil cycle monitoring.



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# SNAPSHOT





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