



CORPORATE PROFILE

2025

Consumer Durables

1. **RAC (Room Air Conditioners)**
2. **RAC Components**
 - Heat Exchanger
 - Copper Tubing
 - Cross Flow & Axial Fans
3. **Non-RAC Components**
4. **Injection Moulding**
5. **Sheet Metal Components**
6. **Motors**
7. **Tools for Injection Moulding**

23 Manufacturing Facilities

29
Manufacturing
Facilities

Mobility

1. **Railways & Metro**
 - Coach HVAC System
 - Gangway & Doors
 - Pantry & it's equipment
2. **Buses:**
 - HVAC System
 - Power Racks
3. **HVAC for Defence**
4. **HVAC for Telecom & IT**
5. **Refrigeration & Cold Room Systems**

01 Manufacturing Facilities

13000 +
Employees

Electronics

1. **Electronics Manufacturing Services**
 - Consumer Durables
 - Smart Electronics
 - Industrial, Defence & Aerospace
 - Automotive
 - Telecom
2. **Components**
 - Multi layer Rigid PCBs : Up to 16 Layers
 - Flexible PCBs
 - HDI PCBs : from Yr.2026

05 Manufacturing Facilities

\$ 1.2 Bn
Revenue FY 24-25

Vision and Mission Statement



VISION, MISSION & PHILOSOPHY

Vision:

- ✓ To be first **choice** of customers
- ✓ Add value to their business
- ✓ Through Discipline & Strong Management Principles.

Mission:

- ✓ To be No. 1 OEM & Parts manufacturing company.
- ✓ Through excellent services to our customers
- ✓ Create Growth for all associated with our organization.

Philosophy:

- ✓ Smart Working, Innovation, Happiness for all

Value:

- ✓ Good Intention

SHARED VALUES

“GOOD INTENTIONS”

- **Fighting Spirit**
- **I am responsible**
- **Respect for Human**
- **Strong Management Principles**
- **Transparent**
- **Continuous Innovation**
- **Hardworking & Sincere**
- **Ownership**
- **Inclusive Growth**
- **Customer First**
- **Ethical Always**

Our Footprints



Geography

- ❖ 29 Manufacturing Facilities across 8 states
- ❖ Corporate office in Gurgaon, India
- ❖ 3 R&D Centres:
 - Rajpura – Consumer Durable
 - Greater Noida – Electronics
 - Faridabad – Motors
- ❖ 3 Sales Office:
 - USA, Illinois
 - Middle East, UAE
 - Bangalore, MG Road

Our Scale

- ❖ Commodity Processing scale per annum
 - 45,000MT Steel
 - 10,000 MT Copper
 - 5,000 MT Aluminium
 - 10,000 MT Resin
- ❖ 3mil Aircon per annum
- ❖ 3.5 Mil Motors per annum
- ❖ Indian railways HVAC nearly 50% of the market
- ❖ Printed Circuit Board Assembly 50mil per annum
- ❖ Bare Printed Circuit Board 30,000 Sq.m Multi Layer (Upto 16 Layer) and 30,000 Sq.m of single sides



05 Motors

- Window Induction motors
- BLDC Motors
- ECM Motors
- Cap-can Motors
- Chimney Motors
- Commercial Aircon Motors

04 Sheet Metal

- Chassis for Aircons
- Cabinets
- Other small sheet metal parts



06 Injection Molding & Tooling

- Aircon plastic parts: Grills and IDUs
- Other consumer durable plastic parts
- Telecom CPE plastic parts

01 Room Air Conditioner

- Contributing to 24% of the total Aircon production in India
- Inhouse design available in various looks
- Splits, Window, Cassette variants
- Multiple size Chassie options

02 Components

- Heat exchangers
- Copper Tubing
- Cross Flow Fans
- Axial Fans

03 Washing Machine

- JV company Amber and Resolute group based in Hyderabad
- Front loading washing machines
- Top loading washing machine

06 Refrigeration & Cold Room Systems

- Commercial Pantry, Refrigerators & Freezers.
- Cold Room Application, Low & Medium Temperature Refrigeration System

05 Telecom & Precision AC's

- Precision AC's for Telecom Sector
- High Sensible AC's
- UPS Room AC
- Very High Ambient AC's

04 Defense Systems

- **MIL Grade ACs** For Wheeled & Traced Vehicles & Shelters
- **APU, ACU & ICCS** for Tanks & armored Vehicles
- **TCU** for Missile Launching systems



01 Main line Rail AC

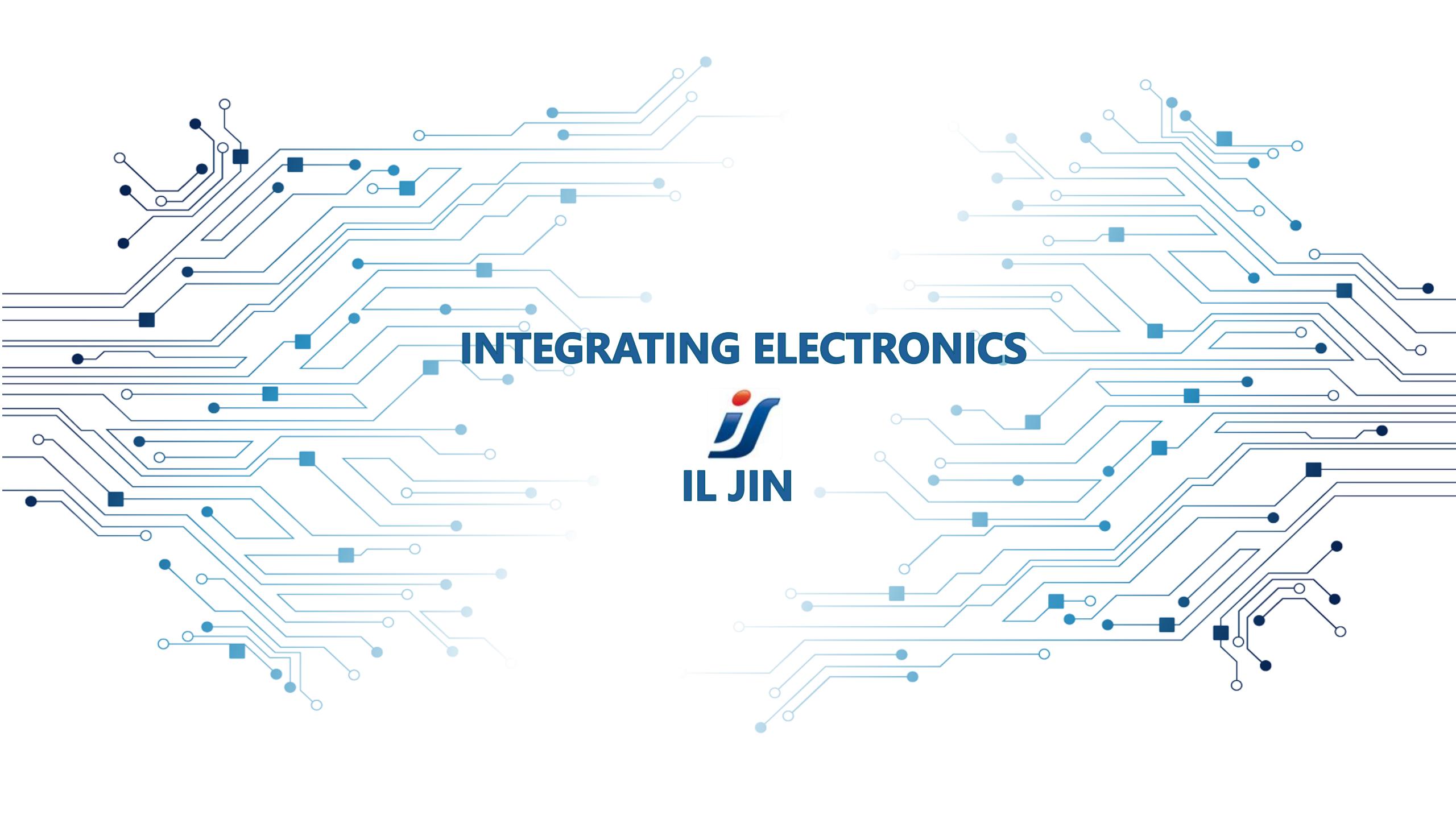
- Saloon HVAC Systems For LHB Coaches,
- LOCO CAB AC's
- HVAC for TS 18 Project (Saloon & CAB)
- Roof Mounted Ventilation Units
- Modular Pantry units
- Gangways
- Doors (Internal & External)
- Interiors
- Switch Board Cabinets

02 Metro Rail AC

- Saloon HVACs (38 KW to 60 KW)
- CAB HVACS
- Offering Solutions with high COP
- Gangways
- Doors
- Interiors

03 Bus AC Systems

- Roof Type Designs (Ambulance~ Sleeper busses) Range-5 KW to 50KW
- EV-Bus -9M & 12M (28 & 40 KW)
- Sleek Designs For Ambulances & Defense Jeeps



INTEGRATING ELECTRONICS



05 Industrial & Defence

- AS9100D Certified
- Tactical optics electronics
- Energy meter
- Solar microinverter
- Solar pumps
- EV chargers

04 Automobile

- IATF 16949 approved
- Cluster PCBA
- Vehicle tracking system
- Power Window PCBA
- Motor controller PCBA



ISO 9001:2015

Quality
Management
System



ISO 14001:2015

Environmental
Management
system



ISO 45001:2018

Occupational
health and
Safety



IATF/TS 16949

Quality
management
system - Automotive



AS 9100:D

Quality
management
system - Defence



ISO 27001

Information security
management
system



Quality
management
system - Telecom



Electrostatic
discharge
compliance



06 Bare PCB

- Single Layer
- Multilayer upto 16 layers
- Aluminum PCB
- Flex PCB
- RF PCB

01 Consumer Durable PCBA

- Inverter Aircon PCBA: Contributing to 26% of the total PCBA produced in the country
- Washing machine PCBA
- Refrigerator PCBA
- TV PCBA
- Microwave PCBA

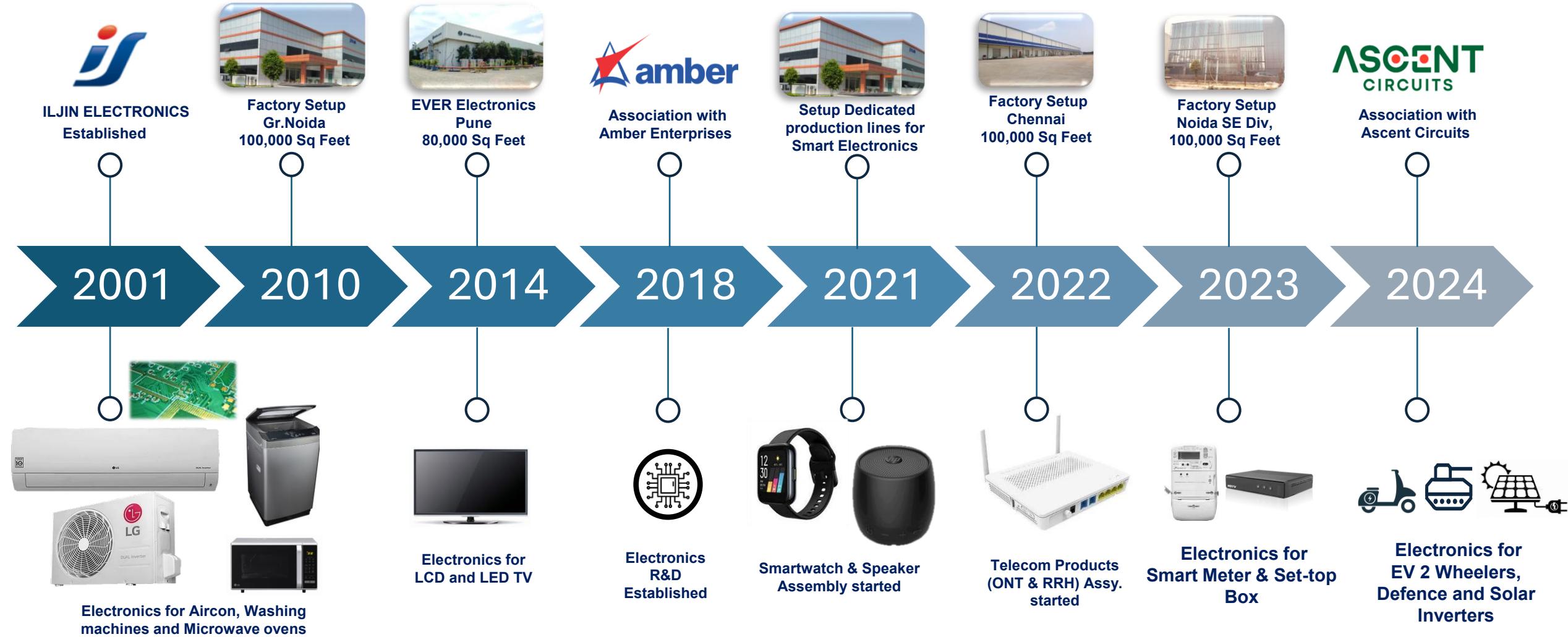
02 Telecom

- TL 9000 Certified
- Electronics for 4G/5G radio Base band units
- Remote radio heads
- ONT GPON Router for Wifi-4
- ONT GPON Router for Wifi-5
- Set-top Box

03 Smart Electronics

- Smart watch
- TWS
- Audio

ILJIN TIMELINES



PAN INDIA ELECTRONICS DIVISION

ILJIN (Greater Noida)

Established : 2001 / 2010
Total Area : 1,20,000 Sq. feet
Buildup Area : 1,00,000 Sq. feet
Total Number of Employees : 750

ILJIN (Noida)

Established : 2023
Total Area : 1,20,000 Sq. Feet
Buildup Area : 1,00,000 Sq. Feet
Total Number of Employees : 400

EVER (Pune)

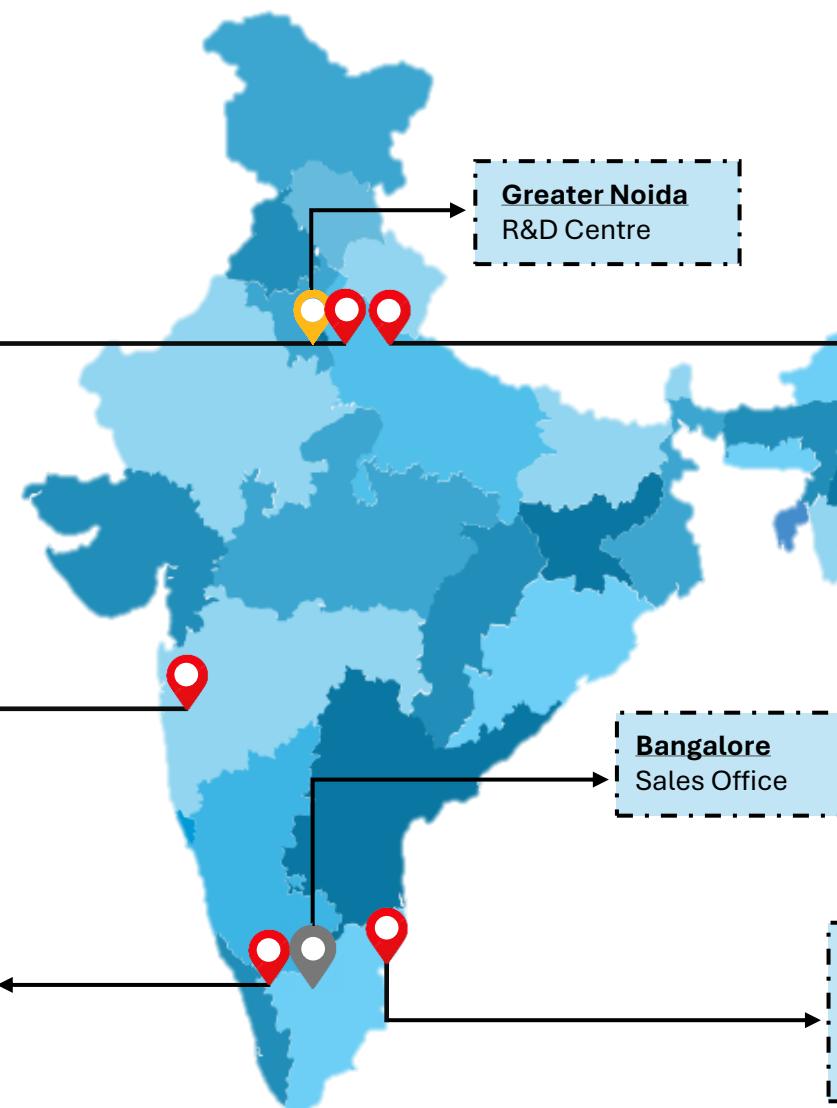
Established : 2004
Total Area : 1,30,000 Sq. Feet
Buildup Area : 80,000 Sq. Feet
Total Number of Employees : 450

Ascent (Hosur)

Established : 2002
Buildup Area : 3,50,000 Sq. Feet
Total Number of Employees : 300

ILJIN (Chennai)

Established : 2022
Buildup Area : 1,00,000 Sq. Feet
Total Number of Employees : 350



ASCENT
CIRCUITS

ELECTRONICS DIVISION - PCBA



Facility	ILJIN – Greater Noida(1)	EVER	ILJIN-Chennai	Total
SMT Lines	10	7	5	22
AI Lines	6	3	3	12
MI Lines	12	6	4	22
Coating Lines	5	3	3	11
Coating Type	Conformal, Urethane and UV	Conformal and Urethane	Conformal coating	Conformal, Urethane and UV
Inspection Facilities	SPI , AOI , ICTs, FCTs, XRF , X Ray , Etc.	AOI , ICTs, FCTs, X Ray ,SPI Etc.	AOI , ICTs, FCTs, X Ray ,SPI Etc.	AOI , ICTs, FCTs, XRF , X Ray ,SPI Etc.

ELECTRONICS DIVISION – SMA Mounting capabilities



HIGH SPEED SMT LINE



High Speed Printer



3D SPI



Chip Mounter



IC Mounter



3D AOI



Reflow Oven

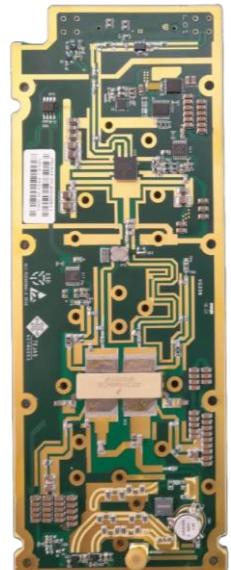


3D AOI

Mounter	NPM-D3A	NPM-D3A	NPM-D3A	NPM-D3A	NPM-TT2
Head Type	16	16	16	16	8
Component Size	02015~6x6x3mm			32x32x12mm	120x90x30mm
CPH	92000	92000	92000	43000	14400
Total CPH	3,33,400				
Accuracy	Printing : $\pm 4 \mu\text{m}$, Placement : $\pm 30 \mu\text{m}/\text{chip}$				
BGA Size and Spec	Size: 2x2mm ~ 90x90mm, Ball Pitch: 0.3mm ~ 1.5mm, Ball Count: 4096				

PCB Dimension	50 x 50 mm ~ 490 x 510 mm
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Reflow Oven	Nitrogen Enabled, 12-heating and 3-Cooling Zone
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ILJIN Chennai.



April-2025

HIGH SPEED SMT LINE



Vacuum Loader Solder Printer SPI Mounter Mounter Mounter Multi Mounter Pre AOI NG Buffer Multi Zone Reflow Oven Cooling Conveyor Post AOI Unloader

* Other facility



- X-ray
- Leaser Marking



- **N2 Generator**

- Nozzle cleaner

- **Stencil Cleaning**

- BGA Rework Station

– PCB Router

Particulars	Unit	Rated	Std.	Line	Inst.Date	Machine	Model	Mfg.	No.of module	Rated CPH	Equip. Std		
Equipment CPH	Nos.	10,74,800	4,64,314										
Daily working Hrs.	Hrs.	22	22	Line-1	May'22	Chi.Mtr	SM471	Hanwha	2	156000	67860		
Days in a Month	Days	26	26			Multi.Mtr	SM481	Hanwha	1	48000	20880		
Monthly Capacity	Million Points	615	266	Line-2	Oct'22	Chi.Mtr	SM471	Hanwha	2	156000	67860		
Annual Capacity	Million Points	7,377	3,187			Multi.Mtr	SM481	Hanwha	1	48000	20880		
				Line-3	May'23	Chi.Mtr	NPMD3A	Panasonic	4	368000	160080		
						Multi.Mtr	NPMTT2	Panasonic	1	43000	18705		
				Line-4	Dec'23	Chi.Mtr	NPMD3A	Panasonic	4	368000	160080		
						Multi.Mtr	NPMTT2	Panasonic	1	43000	18705		
				Line-5	Dec'24	Chi.Mtr	NPMD3A	Panasonic	4	368000	160080		
						Multi.Mtr	NPMTT2	Panasonic	1	43000	18705		
				Line-6	Apr'25	Chi.Mtr	NPMD3A	Panasonic	4	368000	160080		
						Multi.Mtr	NPMTT2	Panasonic	1	43000	18705		
				Line-7	Sep'25	Chi.Mtr	NPMD3A	Panasonic	4	368000	160080		
						Multi.Mtr	NPMTT2	Panasonic	1	43000	18705		
Total CPH										24,63,000	10,71,405		

AI



Sequencer



Eyelet Machine



Axial Combi



Radial Combi

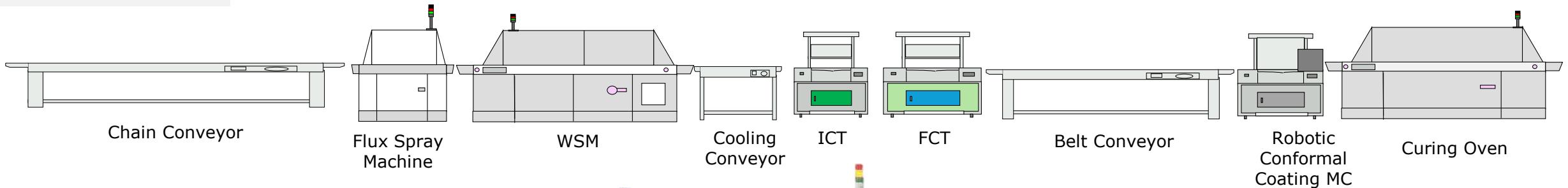


Particulars	Unit	Rated	Std.
Equipment CPH	Nos.	1,06,000	1,06,000
Daily working Hrs.	Hrs.	22	22
Days in a Month	Days	26	26
Monthly Capacity	Million Points	61	61
Annual Capacity	Million Points	728	728

Line	Inst. Date	Machine	Model	Mfg.	Rated CPH	Line CPH
AI 6- Line	May.22	Eyelet -1	ZX-680G	ZX-680G	34,000	34,000
		Axial Combi - 1	ZHX-A30D-IN	Techwin	32,000	32,000
		Radial - 1	ZHX-R20D-IN	Techwin	20,000	20,000
		Radial - 2	ZHX-R20D-IN	Techwin	20,000	20,000
		Total			1,06,000	1,06,000

Extensive Manufacturing facilities

MI



Line	Inst. Date	Rated UPH	Monthly Capa.
MI Line-1	May.22	300	1,63,800
MI Line-2	Oct.22	350	1,91,100
MI Line-3	May.23	350	1,91,100
MI Line-4	Oct.24	340	1,81,100
MI Line-5	Oct.24	300	1,63,800
MI Line-6	Oct.24	300	1,63,800
Total			1054440



Advance
In-Circuit
Testers

Functional
Process Testers

High Precision
Coating Machine



Home Appliance



Out Door Unit
PCBA



Out Door Unit
Control Box



In Door Unit
PCBA



In Door Unit
Control Box

Telecom



DPU Network PBA



FTU Network PBA



CEF-12 Network
PBA



RAC Network PBA

Automobile



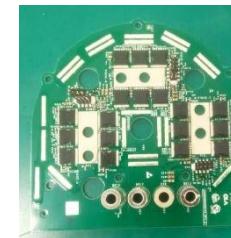
Cluster
controller
Board



Main PCB



SUB PCB



Power Board



Control Board



Current sensor
Board



Power Window PBA



Premocon

BOX Build – Backward Integration



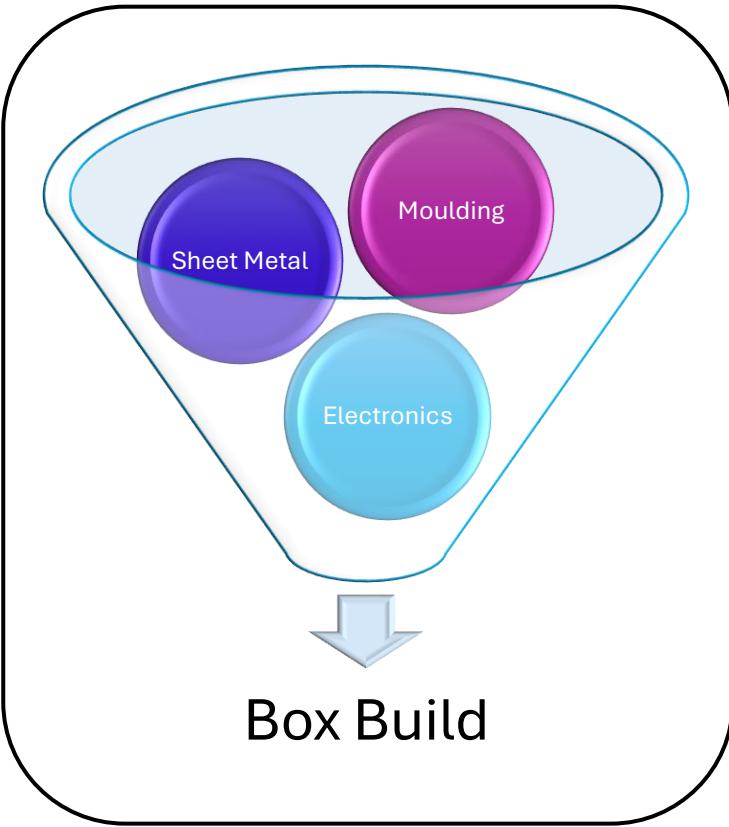
Plastic Moulding



Sheet Metal and Paint parts



Electronics



Press Machine:	250+
Moulding Machine:	300+
SMT Lines:	22



Wearables & Hearables



Smart Coach Panels



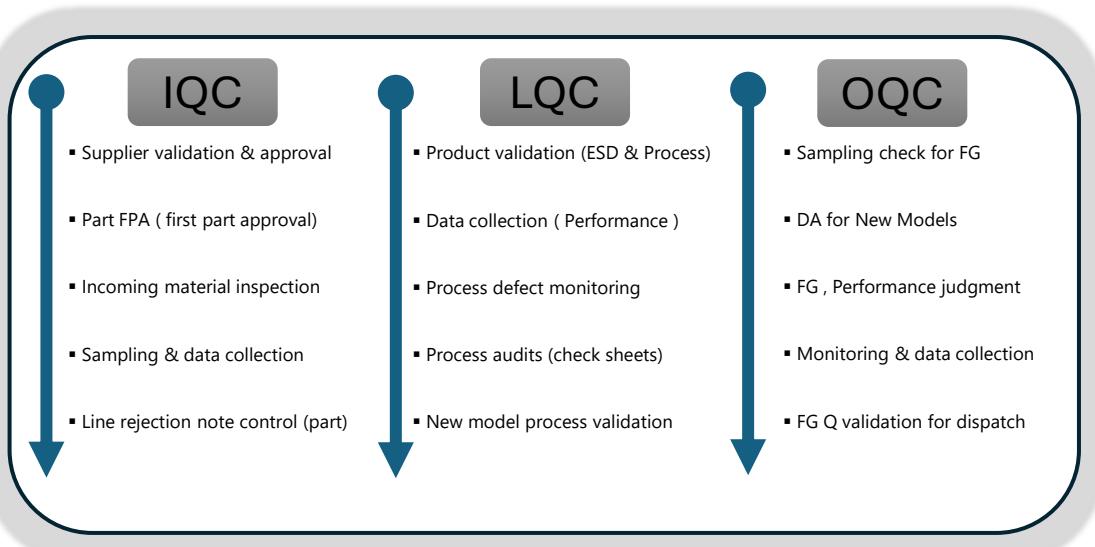
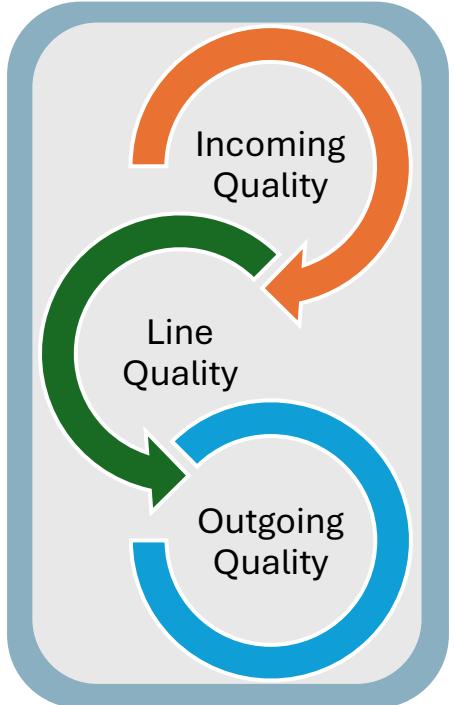
ONT Routers



Automotive Telematics Box

Quality Process

Quality Assurance



iMES



Master

- Material
- BOM
- AQL Sampling
- Route
- Program
- User
- Shift
- Site

Workorder

- ERP Integration
- Standalone

SMT Module

- SPI/AOI Machine Integration
- Fixed Mount Scanner
- IOT/PLC Integration
- Mounter Integration
- Feeder & Loading Management
- Solder paste & Stencil

WSM Module

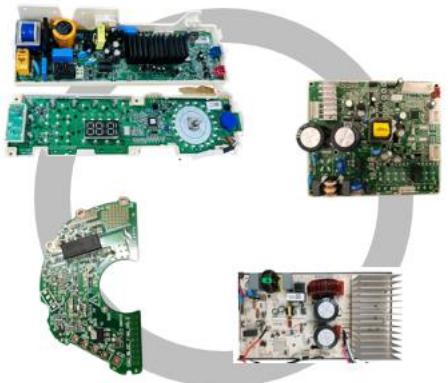
- Preforming
- Conformal Coating

Assembly Packing

- Label Printing
- Quality Stage
- GB/Carton/Pallet Packing
- Key/Accessory binding

Existing Product lines

Consumer Durables



Panasonic



IFB

GENERAL



HITACHI
Inspire the Next

VOLTAS

Telecomm



TEJAS
NETWORKS

PROSE
a Rosenberger Company



dish

Smart Electronics



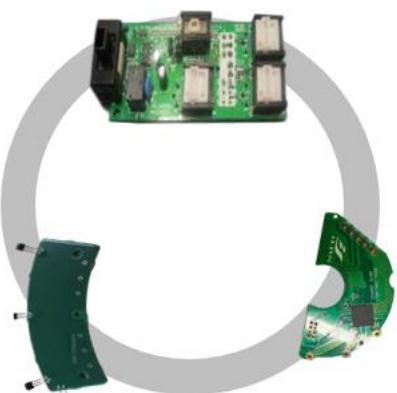
noise

boAt
plug into nirvana

ambrane

beatXP

Automobile



LS
Automotive

MOBASE
ELECTRONICS

UNO MINDA

Industrial/Defence



TONEBO
imaging

Kimbāl

ecozen

- ✓ Committed to increase use of renewable power from 15% to 25% by Yr-2025

- ✓ Recycling 93% of the water used in fabrication of PCBs



- ✓ Continuous increase in use of reusable packaging to customers



- ✓ Target to increase female workforce from 10% to 25% by Yr-2025

- ✓ Rain water harvesting capacity increase by 10% every year





THANK YOU

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