



**India's Leading Electronic System
Design & Manufacturing Company**



**Technology-focused engineering
company engaged in turnkey
Electronics Manufacturing Services.**

**We also provide RFID and custom
magnetics solutions.**



Our Journey



Tandon Magnetics setup in 1978, largest manufacturer of disk drives... sold to WD in 1984

Celetronix, India's largest EMS launched in 2000, sold to Jabil in 2006

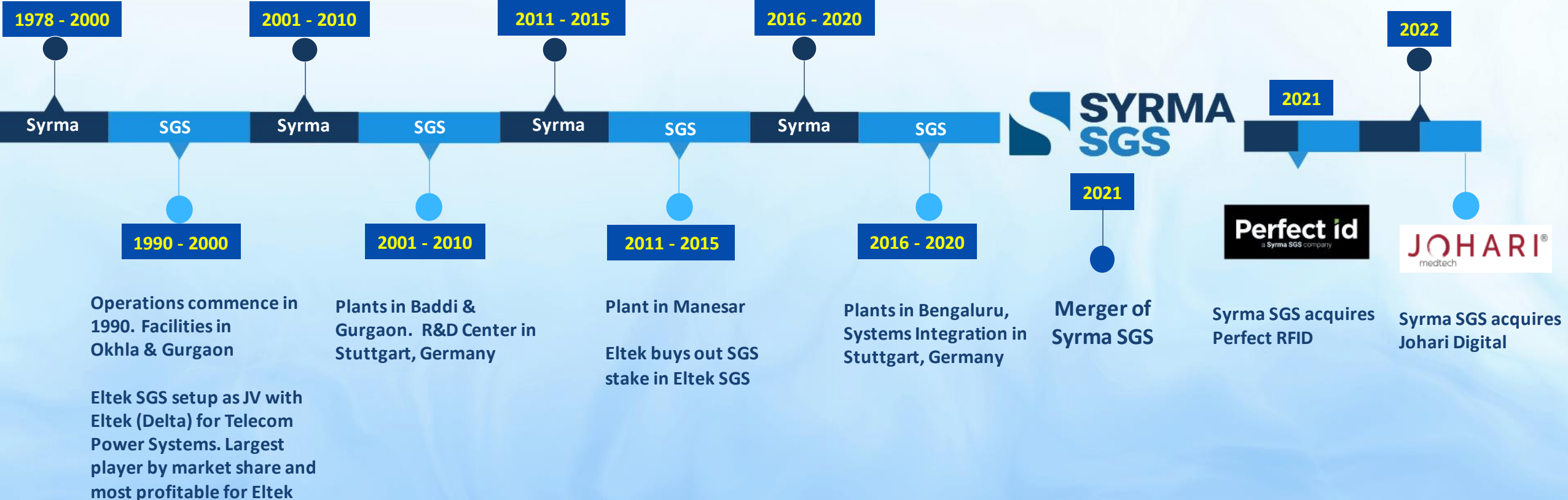
Tandon Motors setup as JV with Kollmorgen... sold to Danaher motion

Operations commence in Chennai in 2006. Facility in Bargur

R&D lab setup in Chennai in 2014

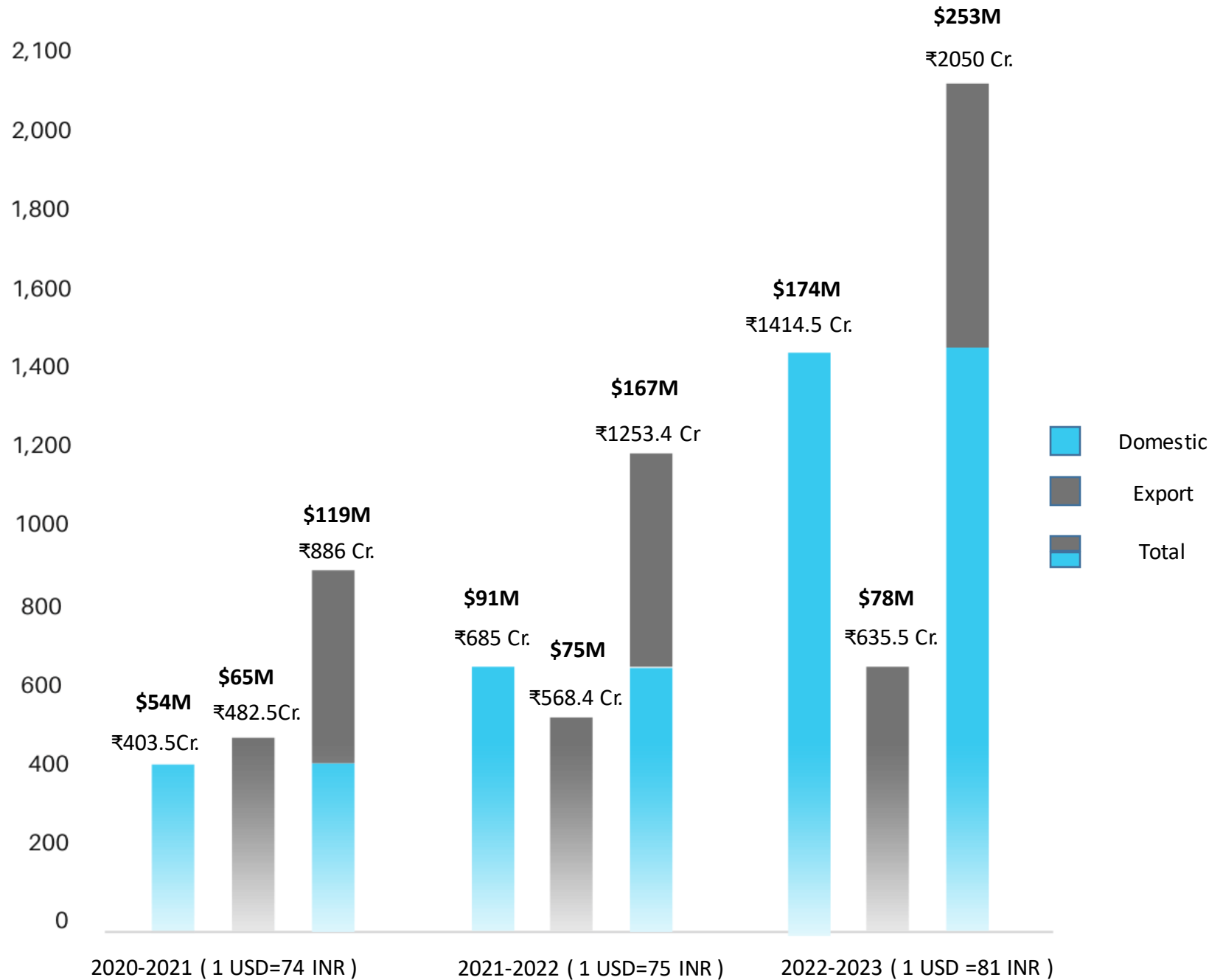
RFID, ZAC & RRW. Facility in Bawal. Investment by GEF

Syrma SGS listed on BSE & NSE





Company Revenue



Management Team



Sandeep Tandon
Chairman



Jasbir Singh Gujral
Managing Director



Satendra Singh
CEO



Krishna Pant
Co-founder
Domestic Business



Ranjit Singh
Co-founder
International Business



Jayesh Doshi
Non-Executive Director



Chetan Walia
Operating Partner



Dr Sreeram Srinivasan
Executive Director, SETS

Key Highlights



40+ Years
Group Legacy

33
SMT Lines

800k Sq.ft*
Total Plant Area

12
Facilities



*Total plant area getting enhanced to 1 Mn Sq. Ft. In FY 23-24

Industry Verticals



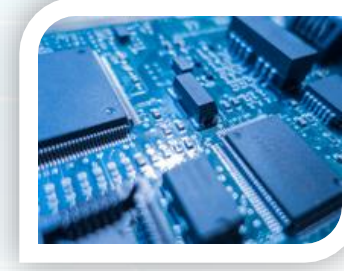
Automotive



Telecom



Industrial



IT



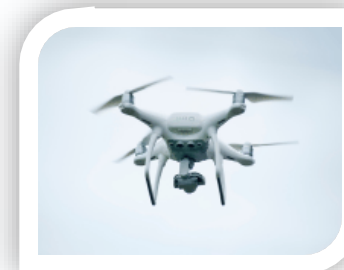
Consumer



Railways

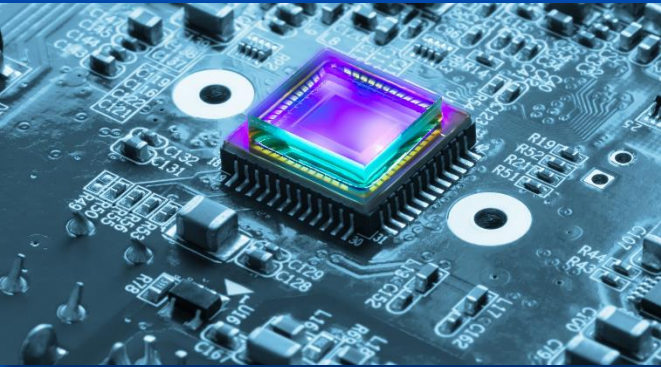


Healthcare



Defence

Our Services



Electronic Design

Co-develop products based on customer specifications

PCB Assembly

PCBAs for wide product applications across Industries

Box Build

Sub Assembly and Full systems Integration

Tester Development

Automated functional tester development

Electronics Design Services



Service Offerings



Product Engineering:



Design & Development



Verification & Validation



Prototype Manufacturing & Platform/System Integration



Original Design & Manufacturing (ODM)

Engineering Streams



VLSI – ASIC, SoC and Pre-Si/Post-Si



Hardware Engineering – Board Design

- High-Speed Digital
- RF Wireless
- Power
- Mixed-Signal



Software – Embedded SW & Application SW



FPGA Engineering



Mechanical Engineering

Chennai

Bangalore

Gurgaon

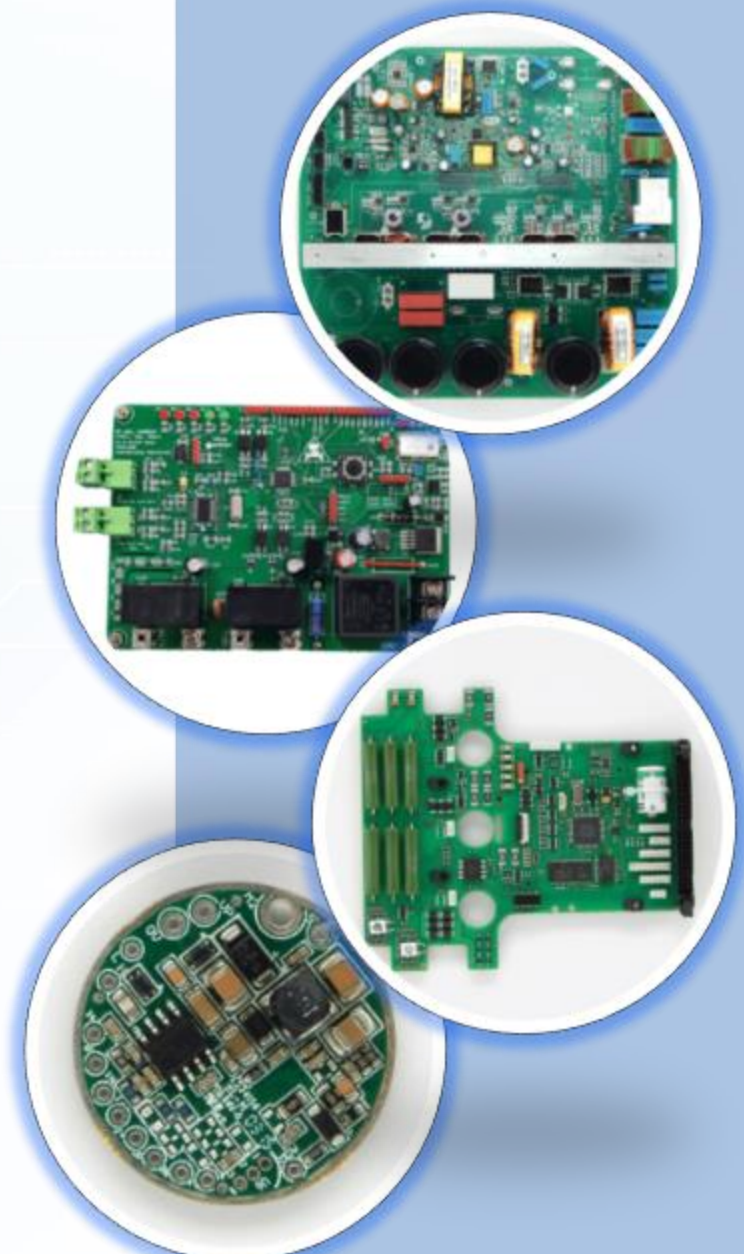
Winnenden, Germany



PCB Assembly



Automotive + EV	BCU, ECU, BMS, VCU, EV Charger, VTS, Auto Gear Shifter, Fuel Dispensing Controllers, Head & Tail Lamps, Clusters
Telecom	Optical Networking Equipment (GPONs), Power Supplies, Modems, Hybrid STB, Wifi Routers, Repeater PCBAs, PC on cloud
Industrial	Energy Meters, Washing Systems, LED Drivers, POS Printers, POS Machines, Power Supplies, Solar Trackers, Drones, Drives, Automatic Voltage Control & Hybrid Controller PCBAs
IT	Motherboards, Memory Modules, Hard Disks, SSD, Flash Drives, Power Adapters and Full System integration
Consumer	AC, BLDC Fans, Smart Watches, Controller Boards, Water Purifiers, Mixer Grinders, Washing Systems, Air Purifiers
Railways	CPU Boards, DO Generics, WBI Boards, Electronic Interlocking Systems
Healthcare	X-Ray Controllers, WBI Boards, Glaucoma Detectors, Stretchers, Smart Canes, CPAP Devices
Defense	Defense Communications, Storage & Processing Equipment PCBAs



Box Build



GPON



E-mobility Charging Station



Wi-Fi Routers



Laptop



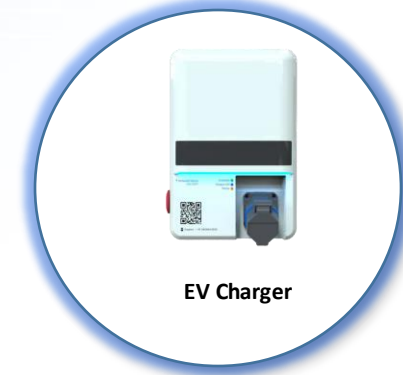
POS Printer



Railway Interlocking System



Power Supply



EV Charger



IoT Based Climatic Controller



Wearables



Load Monitor



Solar Controller

Magnetics & Electro-Mechanical Products



Magnetics

OEM manufacturer of high-frequency transformers, chokes, coils, and inductors.



Electro-Mechanicals

Dedicated sheet metal manufacturing to support turnkey manufacturing.



Manufacturing Locations



Manesar Unit 1	94,000 sq. ft; Operations – EMS (PCBA & box builds)
Manesar Unit 2	140,000 sq. ft; Operations – EMS (Box builds)
Chennai - Unit 1	100,000 sq. ft; Operations – EMS, RFID & Magnetics
Chennai - Unit 2	30,000 sq. ft; Operations - EMS(PCBA & box build)
Chennai - Unit 3	50,000 sq. ft; Operations - EMS(Box build) + Design Center
Infocity, Gurgaon	48,000 sq. ft; Operations – EMS (PCBA & box builds)
Bawal	40,000 sq. ft; Operations - EMS(PCBA & box builds)
Bengaluru	1,00,000 sq. ft; Operations – EMS (PCBA & box builds)
Baddi	32,500 sq. ft; Operations – EMS (Box build)
Noida	72,000 sq. ft; Operations – EMS (PCBA & box builds)
Bargur	30,000 sq. ft; Operations – RFID & Magnetics
Nashik	26,000 sq. ft; Operations – Electro-mechanicals

Massive Greenfield expansion over 35 acres. 10-15 SMT lines + Injection Moulding, Wire Harness & Sheet Metal

Manufacturing Capabilities

- **33 SMT lines** – Fuji, Yamaha, ASM
- **Fine pitch placement up to 12 mil**
- **Components** – 01005, BGA, uBGA, 55 mm sq CSP
- **±25-micron placement accuracy with 3-Sigma**
- **Board Size:** Up to **534 x 610 mm**
- **Board Types:** Rigid, Flex, Ceramic
- **SMT assembly in class 10K & dust free zone**
- **N2 enabled reflow** – JT, RW, Vitronic, Centuring
- **Wave Soldering** – Tamura, Dektec
- **Fully Automatic Potting** for electronic assemblies
- **Automatic Conformal Coating**



Manufacturing Capabilities



- **SPI** – Cyber Optics & KY 3020T
- **3D & 2D AOI** – Cyber Optics SQ3000, Agilent & Viscom 3088AV3D X-ray
- **In-Circuit Testing & MDA** – Kyoritsu, SPEA (Italy), Tescon & TRI,
- **FCT on LABVIEW SOFTWARE** for every product
- **Post-Soldering AOI** – TRI
- **Automatic Pin Insertion Machine**
- **DFM analysis and data generation** using **Mentor Graphics**
- **Barcode based MES traceability system**



Reliability & Testing Capabilities



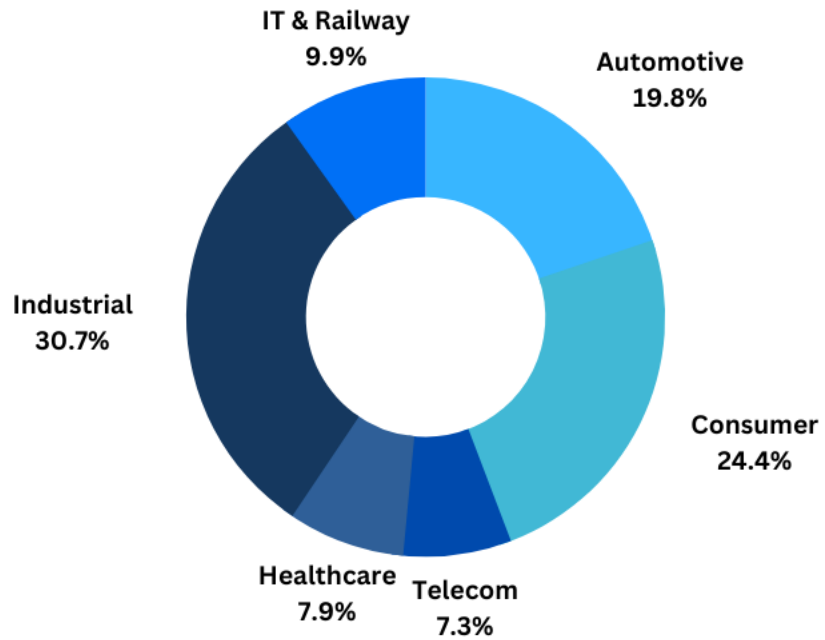
- VMM, CMM machines
- 3D X-ray inspection system
- In-circuit Tester (ICT)
- Manufacturing Defect Analyzer (MDA)
- Flying probe Tester
- Environment Chamber
- Thermal Shock Chamber
- Vibration and Bump Tester
- Customized Automated Test Equipment (ATE)
- Profile Projector



Strategically Diversified

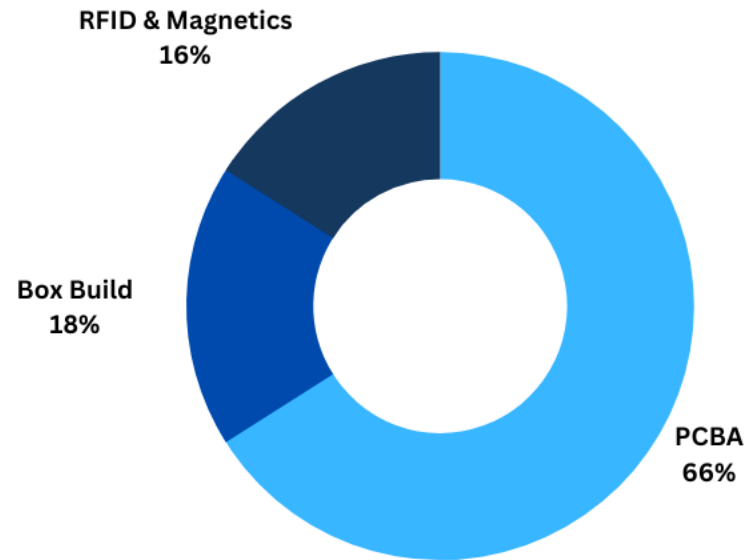


Verticals



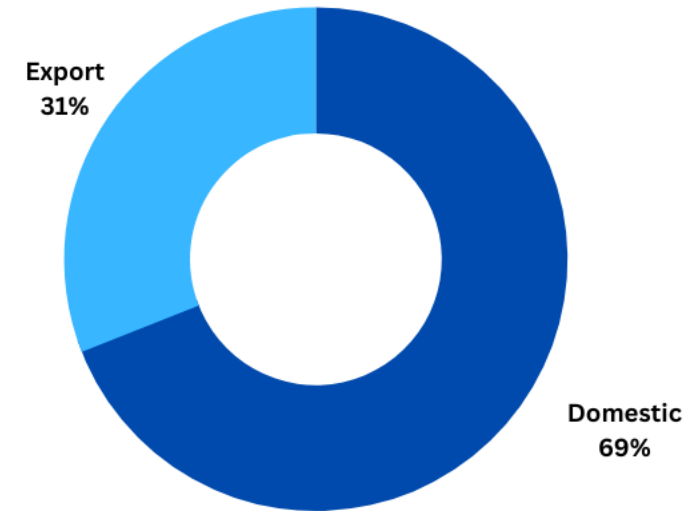
Strategic high growth Industry Presence

Services



Design-led PCBA Manufacturing
Custom RFID Solutions

Geography



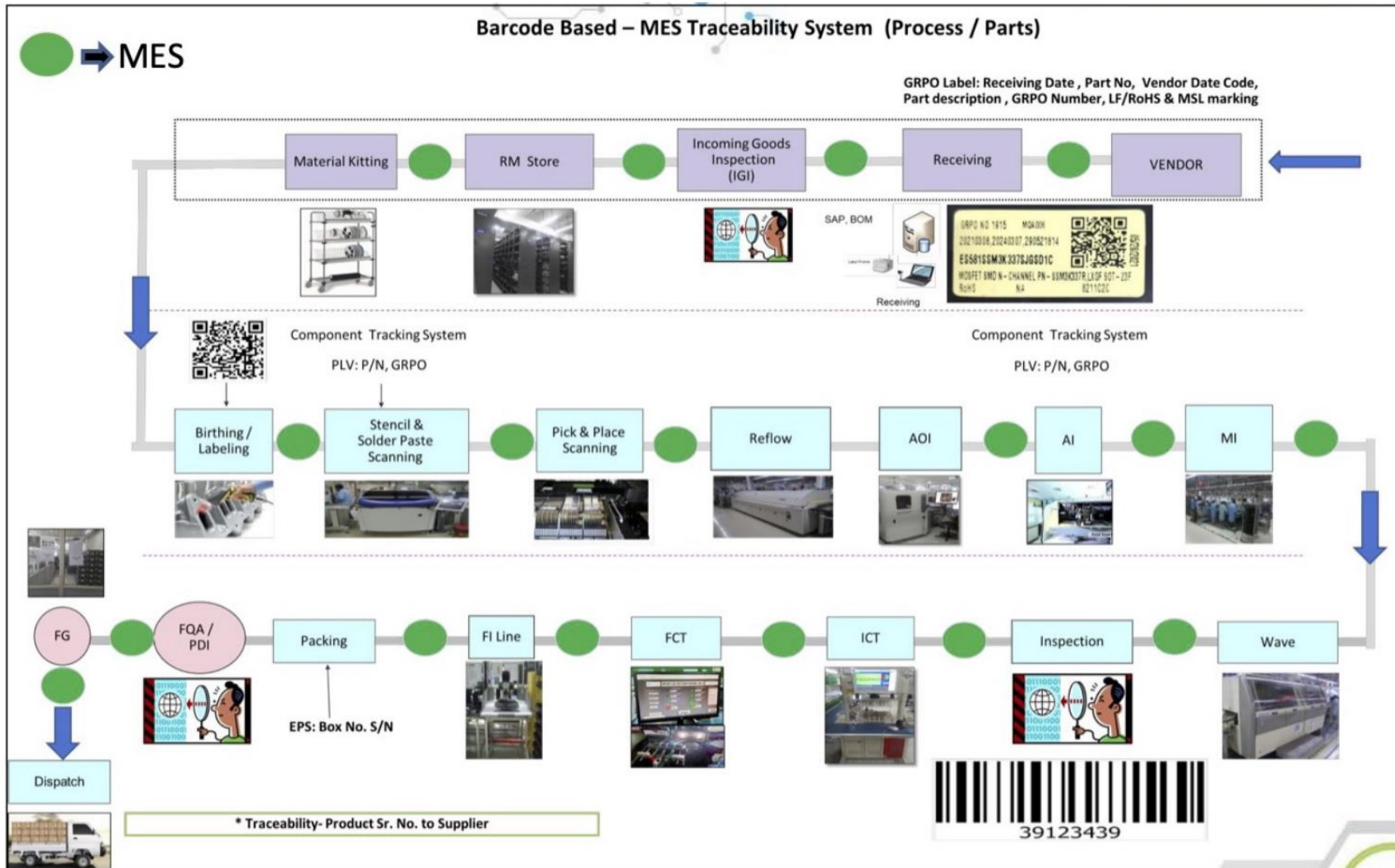
20+
Exporting Countries

Why Syrma SGS?



- Established **customer centric ESDM company** with **40+ years** legacy
- **Enduring relationships** with **marquee global & Indian customers over 18-20 years**
- **State of art manufacturing infrastructure**: Large Greenfield expansion + vertical integration
- **Solid base of R&D and engineering** with strong investments
- **Strong centralized supply chain, Large buying power, strong supplier, distributor relationships**
- **Financially sound** with **adequate funds for capacity and capability expansion. 5A2 rating by Dun & Bradstreet**
- **Value Addition through DFM analysis + annual savings through Alternates & Process Improvements**
- Barcode based **MES Traceability System** for process and parts
- **Responsiveness, Flexibility and Transparency**
- **Risk mitigation** thru **plants spread over different locations in India**
- Strong focus on **sustainability** as core of Business strategy

MES Traceability System





Quality Certifications

ISO Certifications

AS 9100D, ISO 9001, ISO 13485, ISO 14001, IATF 16949, ISO 45001, ISO 27001



Other Certifications

ANSI ESD 20:20 – Electric Discharge Control, IEC 61340-5-1 – Electric Discharge Control

Other Certifications

Authorized Economic Operator T2 Certificate (Green Channel for Export Import Custom Clearance)

Other Certifications

Awarded – Three Star Export House

Audit Reports



Green Channel Approval from Maruti. Scored 78% against threshold of 60%

MARUTI SUZUKI INDIA LIMITED		Issue Deptt.	SC-CGR4	Prepared	Verified	Approved
Vendor Quality System Sustenance Online Assessment Provisional Report - Tier II		Date of Issue	31/08/2021	Manindra	Manindra	Paraghat Ray
Copy to	Supplier name	31/08/2021		Manindra	Manindra	Paraghat Ray
SC	1	M/s SGS Teknics Manufacturing Pvt Ltd		Supplier Attendand Name		
QA	1	Plot No. 174 , Sector 4 , IMT MANESAR, Gurugram 122050		Audit Date		
Tier 1	1			22 July 2021 23 July 2021		
Tier 2	1			Audit Person		
MACE	1	Cluster Name	M/S GS	Manindra		
		(Audit Score)		Paraghat Ray		
		Achieved Score : 105		Vendor (Tier 1) & MACE person		
		Total Score : 134	$\times 100 = 78$	Prakash Shrivastava (MACE)		
Total	5	Overall Rating	Green	Firm (SGL)		

VDA 6.3 Audit Reports

Supplier: SGS Teknics Manufacturing Private Limited
 Supplier No.: 319948
 Site: IMT Manesar, Plot no.174
 D-U-N-S-No.:

Pro. No.	Project, Product, Process	Rating
M332401	TATA SWS, PCBA Module complete, SMT process	Grün
Green	Fully approved supplier	A contract can be issued for the above project, product
Yellow	Controlled supplier	A contract can be issued conditionally for the above project, product
Red	Barred supplier	A contract can not be issued for the above project, product

Technologieaudit- Ergebnis / Result Technologyaudit		Datum / Date:	10/12/22
Lieferantennummer / Supplier number	7006637	Firma / Company	SGS TEKNICS MANUFACTURING PVT. LTD
Strasse / street	174, Sector- 4, IMT, Manesar	PLZ, Ort / ZIP code, city	122050 Gurgaon
Land / Country	INDIA		
Einstufung / Rating	89%	Einstufung / Rating	B
Erfüllungsgrad VDA 6.3 in % / Degree of conformance VDA 6.3 in %		Beschreibung der Einstufung / Description of the classification	
89%		bedingt qualitätsfähig / conditionally quality-capable	
Ergebnisübersicht / Summary of result	Erfüllungsgrad / Degree of conformance	Beschreibung der Einstufung / Description of the classification	
Umwelt* / Environment*	100%	Anforderungen erfüllt / requirements fulfilled	
Technologie / Technology- Electric Electronics	92%	Anforderungen erfüllt / requirements fulfilled	
Technologie / Technology			
D- Teile / Safety Critical parts	Erfüllungsgrad D-Teile in % / Degree of conformance D-part in %	D-Teil Freigegeben / D-part approval	
	n.b.	n.b.	
Lieferant für Brose Gruppe freigegeben / Supplier approved for Brose group			
ja / yes			

VDA 6.3 Prozessaudit Revision 2016

Audit Report VDA 6.3 Potential Analysis		D-U-N-S-No.	319948	Date:	10.12.2022																								
Supplier:	SGS Teknics Manufacturing Pvt. Ltd.	Order number:	MS 00000	Order:	0000_01																								
Location:	Plot No. 174, Sector 4, IMT Manesar, Gurugram, 122050, INDIA	Audit reason:	potential new supplier for PCBA project 2022/01/01 - 10/12/22 (SMT Module Green)																										
Audit result:	<table border="1"> <thead> <tr> <th>Section</th> <th>Findings</th> <th>Conformance</th> <th>Weighting</th> <th>Score</th> <th>Rating</th> </tr> </thead> <tbody> <tr> <td>PCB assembly</td> <td>0</td> <td>0</td> <td>28</td> <td>2</td> <td>GREEN</td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>GREEN</td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>GREEN</td> </tr> </tbody> </table>	Section	Findings	Conformance	Weighting	Score	Rating	PCB assembly	0	0	28	2	GREEN		0	0	0	0	GREEN		0	0	0	0	GREEN	Risk assessment:	Low		
Section	Findings	Conformance	Weighting	Score	Rating																								
PCB assembly	0	0	28	2	GREEN																								
	0	0	0	0	GREEN																								
	0	0	0	0	GREEN																								

Order Fulfillment & Strategic Sourcing

- **Dedicated PM, NPI & Buyer** for large customers
- **Key performance parameters** are measured
 - On-Time Delivery (OTD)
 - Quality yield
- **Regular Customer Satisfaction Surveys (CSS)** conducted
- **Fully integrated supply chain for sourcing**
- **Relationships with OEMs and distributors** for streamlined supply
- **Geographic redundancy** and supplier diversification
- **Safety stock** for critical sole source/single definitions source parts
- **Strong local supply chain for electro-mechanicals**
- **Dedicated focus** on commodity development



Awards & Recognition

- Syrma SGS is honored to have received the prestigious recognition from Forbes as one of the **"Select 200 Companies at the Forbes India DGEMS 2023."**
- **1st Prize in Quality** - 2023 by ELCINA in large category
- **Outstanding Achievements in Exports** - 2023 by ELCINA in large category
- **Indo-U.S. Business Excellence Awards 2023** (Tamil Nadu State level) in large Categories for Employment of Women and Sustainability & Environment
- **Most Preferred Workplace** – July 2023 & **Great Place to Work** - Nov 2022
- **The Best Techno Visionary – Industry** - FY22 by IESA
- **Electronics Company of the Year** - FY22 by ELCINA-EFY
- **Golden Globe Tiger Awards - Best in Training & OD** - FY22 by World HRD Congress



Recognitions



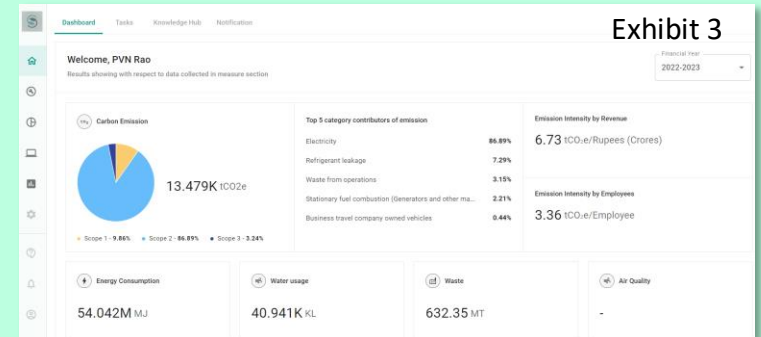
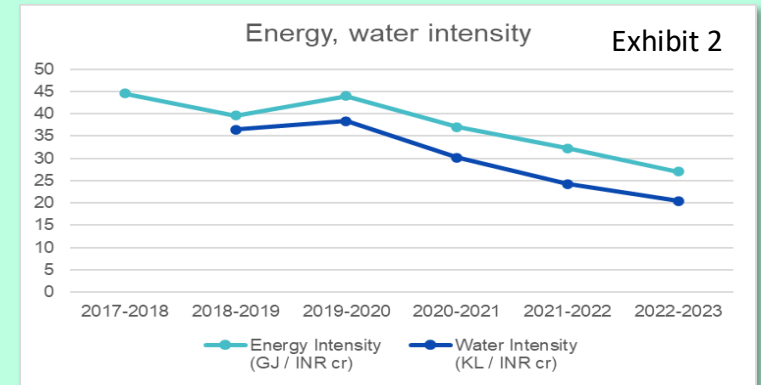
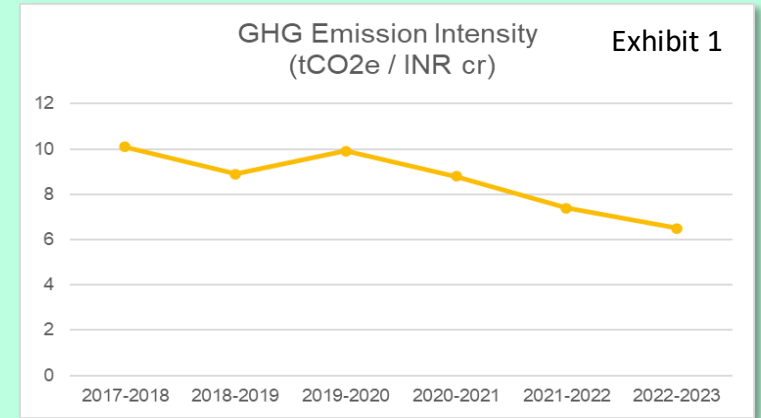
Syrma SGS facility recommended for IPC Class 3 certification (Aerospace & Auto)



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ESG Status

- Carbon footprint assessment (scope 1 & 2) for all manufacturing units done for the past 5 years, GHG emissions intensity trend shows positive results -Refer Exhibit 1
- Energy, water intensity trend is encouraging – Refer Exhibit 2
- ESG Reporting tool – Digitalization of ESG data in progress (90% uploaded) and the tool configuration completed for the internal reporting requirements & BRSR – Refer Exhibit 3
- BRSR report configuration in the tool (90% completed)
- Materiality Assessment conducted based on SASB (Sustainability Accounting Standards Board)
- Core team (cross functional) formed to work on the sustainability Agenda, Weekly follow up governance instituted for regular follow up/review with core team
- Renewable Energy– initial discussions done and options are being evaluated



ESG Action and Goals

- ESG Reporting tool – Train the teams on effective usage of the tool to drive actions, Start capturing scope 3 emissions
- Get the e learning modules done and start the training on ESG
- Renewable Energy – Evaluate and finalize the implementation plan for RE 3rd party sourcing/in house generation
- Reuse of e waste – identify potential vendors and evaluate the feasibility
- Form ESG steering committee to drive the Agenda
- Finalize ESG policy/ Targets / Net Zero resolution

Syrma SGS ESG Goals

ESG Targets	Linked to SDG
Reduce GHG emissions intensity by 25% (5% yoy) in the next 5 years by FY28	13
Increase energy consumption from renewable sources to 50% (10% yoy) by FY 28	7
Baselining of Scope 3 emissions by FY 24	13
Maintain diversity ratio (women employment) of > 60%	5,10
Increase sustainable sourcing to 50% by FY28 (10% yoy)	17
Conduct regular ESG training to cover 80 % of entire work force	12
Sign up for SBTi goal in the next 24 months, by FY 25	12,17
Conduct product life cycle assessment for top 2 products by FY24	9,12





Syrma SGS Technology Limited

Export

Chennai:

Plot No. B27, Phase II, Zone B,
MEPZ-SEZ, Tambaram,
Chennai – 600045, India

Gurgaon:

A-3, Infocity, Sector-34,
Gurgaon,
Haryana-122001, India

Domestic

Manesar:

Plot no 22, Sector - 5,
IMT Manesar, Gurgaon,
Haryana – 122050, India

Bengaluru:

Survey No 27/4 A3,
JR Tech Park, Yarandahalli,
Bommasandra Indl Area,
Phase 4, Bengaluru,
Karnataka – 560099, India

Thank You

Email: info@syrmasgs.com | Website: www.syrmasgs.com