



**VIGNESH**  
POLYMERS | ELECTRIC

EMPOWERING INNOVATION THROUGH PRECISION

**WELCOME TO VIGNESH POLYMERS & ELECTRIC**

# Hi!

I'm **SIVAKUMAR RB**

**Founder & CEO**

**VIGNESH POLIMERS INDIA PVT LTD.**

Due to the unwavering support and encouragement of our customers across diverse industries including home appliances, automotive, telecom and EV, our young business has made significant progress in under two decades.

To meet market demands, expand our business and thrive in a competitive industry, we continuously focus on innovation within our areas of expertise, consistently delivering high-quality output to our valued customers.

Our dedicated and highly skilled employees are the driving force behind all our endeavors, each of them bringing their unique strengths to the table.

At Vignesh Polymers, we uphold the highest industry standards to consistently exceed our customers' expectations.

In the end, our motto is clear: Customer Satisfaction and Quality are our top priorities.



## ABOUT US

Vignesh Polymers India Private Limited is one of the fastest-growing integrated manufacturing organisations in South India, catering to the White Goods and Automobile Sectors since 2005 and specialising in Moulding & Assembly, Painting & Rigid Packaging, Sheet Metal Stamping & Welding with future focus on contract manufacturing with EMS facilities for EV two-wheeler components.

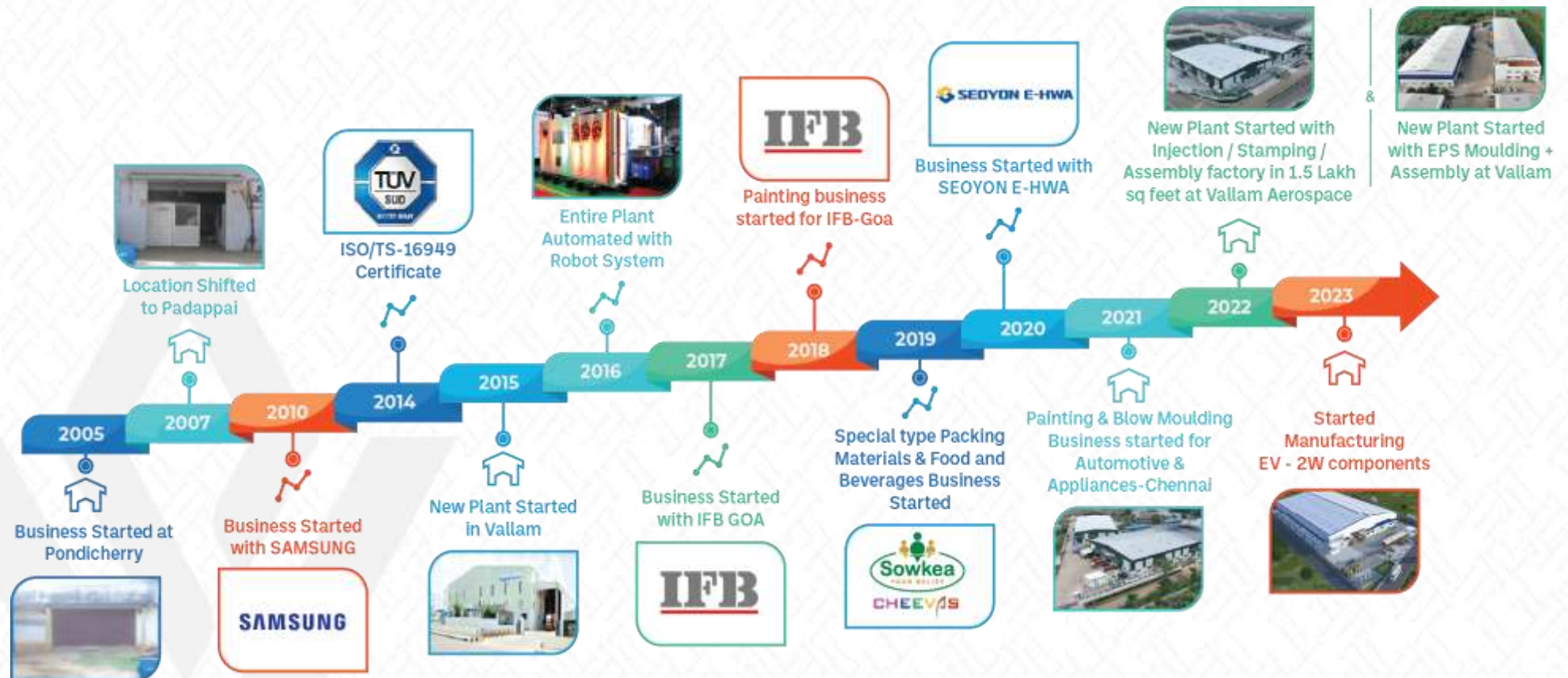
With seven state of the art Manufacturing Facilities in South & West India (Certified ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, IATF 16949:2016 and Hyundai SQ Certification) driven by over 600 qualified professionals, we have established ourselves as a frontrunner across the traditional automotive and consumer goods industries in the last two decades.

At Vignesh Polymers, we produce over 460+ components ranging from 0.0015 kg to 7.0 kg with the help of a variety of machinery. We currently own 100+ Injection Moulding Machines (80T to 2000T) including Vertical Injection Moulding Machines and 4 Blow Moulding Machines (60L to 150L).

We are also equipped with 16 EPS Shape Moulding Machines (140T - 175T) and Sheet Metal Stamping Machines (250T - 350T).



## COMPANY TRANSFORMATION



## PLANT LOCATION



## FACTORY UNITS OVERVIEW



Unit 1 - HO/ Injection Moulding +  
Assembly (125,000 sq. ft.) Chennai



Unit 2 - Injection Moulding, Stamping +  
Assembly (150,000 sq. ft.) Chennai



Unit 3 - Injection & Blow Moulding,  
Painting + Assembly (60,000 sq. ft.)  
Chennai



Unit 4 - EPS Moulding + Assembly  
(100,000 sq. ft.) Chennai

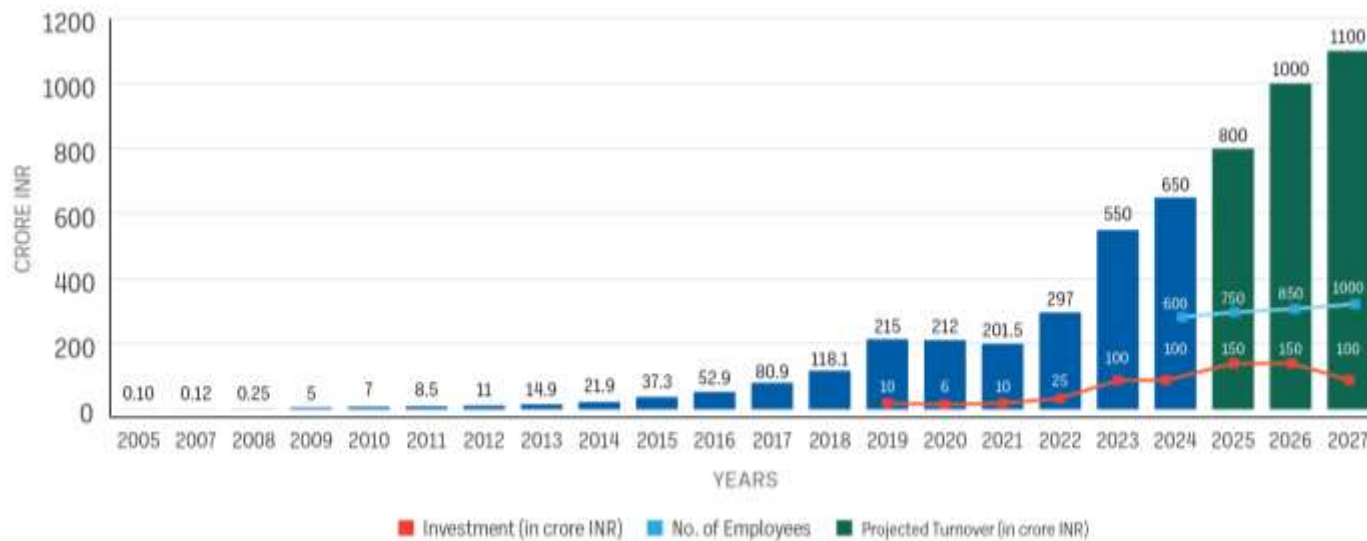


Unit 5 - Injection Moulding  
Stamping & Assembly  
(100000 sq. ft.) Pochampalli  
– Krishnagiri



Injection Moulding + Assembly  
(75000 sq. ft.) Goa

## BUSINESS SHARE





## OUR ESTEEMED CUSTOMERS

**SAMSUNG**

**IIFB**



**Panasonic**

**B/S/H/**

 **HYUNDAI**

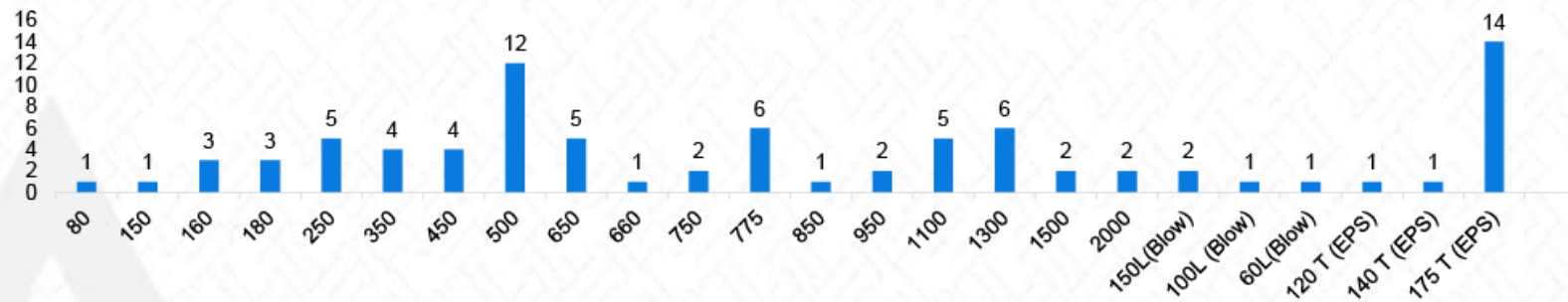
**OLA ELECTRIC**

 **AMPERE**

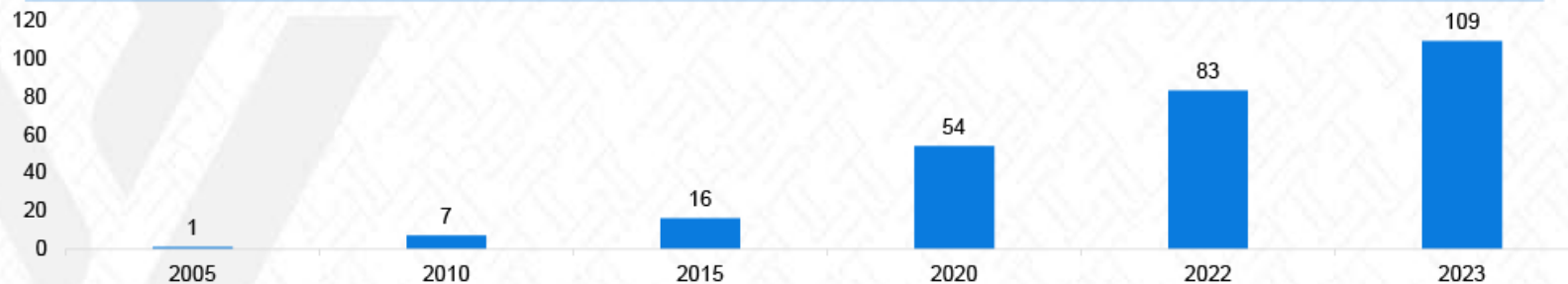
**B BHARAT FIH**  
A Foxconn Technology Group Company

## INJECTION MOULDING MACHINES OVERVIEW (CHENNAI)

Number of machines based on tonnage



Total no of machines equipped from 2005 till 2023



## IOT @VigneshPolymers India Pvt Ltd



Internet of things is the Online data tracking.



Digital monitoring of machine performance



When a machine is down, sending an SMS to the appropriate stakeholders makes sure that a validated cycle time is executed.



Creation of OEE reports in digital format.



IOT Real Time Dash Board Monitoring of All Machines with OEE Details

### MAJOR BENEFITS

01

Can keep an eye on machines in distant places.  
Accessible using a mobile app

02

Accessible using a mobile app

03

Dashboard with parameter analysis and operational analytics

04

Tablet interface enabling the operations team to view historical data while moving around the shop floor, with automated scheduled reports delivered via mail at the end of each shift and summarized for the day.

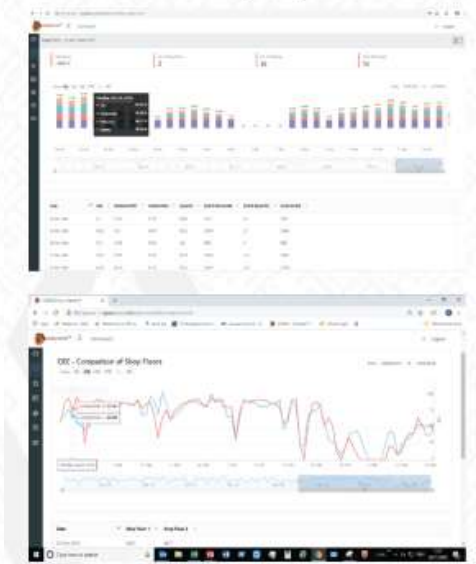
05

Entry of rejection/downtime reason using tablet interface

Vallam-Shop Floor 1 12pm - 1pm P 92.89% Q 100.00% U 99.91% OEE 92.81%

<p><b>IMG-11-1300B</b> OEE: 78.46% MILACRON 30013757</p> <p>Running Since 26hrs 2mins Prod: 51   Reg: 0</p> <table border="1"> <tr><th>STD</th><th>MIN</th><th>MAX</th><th>SPEED</th></tr> <tr><td>53</td><td>54.17</td><td>56.58</td><td>37.0%</td></tr> </table> <p>Note: TUB-OUTER-22-71030027-DC61-0128A22</p>	STD	MIN	MAX	SPEED	53	54.17	56.58	37.0%	<p><b>VP-037</b> OEE: 118.95% TOSHIBA DTSKP-06500009</p> <p>Running Since 11hrs 57mins Prod: 182   Reg: 0</p> <table border="1"> <tr><th>STD</th><th>MIN</th><th>MAX</th><th>SPEED</th></tr> <tr><td>47</td><td>39.52</td><td>39.56</td><td>32.0%</td></tr> </table> <p>Note: guard ref up-91020035</p>	STD	MIN	MAX	SPEED	47	39.52	39.56	32.0%	<p><b>IMG-20-350A</b> OEE: 86.19% MILACRON 30014202</p> <p>Running Since 3hrs 4mins Prod: 36   Reg: 0</p> <table border="1"> <tr><th>STD</th><th>MIN</th><th>MAX</th><th>SPEED</th></tr> <tr><td>--</td><td>67.11</td><td>379.34</td><td>37.0%</td></tr> </table> <p>Note: FUSE RELAYBOX-1453</p>	STD	MIN	MAX	SPEED	--	67.11	379.34	37.0%	<p><b>VP-016</b> OEE: 91.73% TOSHIBA DTS-5500020</p> <p>Running Since 2hrs 12mins Prod: 122   Reg: 0</p> <table border="1"> <tr><th>STD</th><th>MIN</th><th>MAX</th><th>SPEED</th></tr> <tr><td>54</td><td>55.53</td><td>72.88</td><td>38.0%</td></tr> </table> <p>Note: TAILGATE up-90030001</p>	STD	MIN	MAX	SPEED	54	55.53	72.88	38.0%
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<p><b>VP-017</b> OEE: 106.67% TOSHIBA DTS-2500130</p> <p>Running Since 14hrs 26mins Prod: 64   Reg: 0</p> <table border="1"> <tr><th>STD</th><th>MIN</th><th>MAX</th><th>SPEED</th></tr> <tr><td>60</td><td>54.31</td><td>63.52</td><td>61.0%</td></tr> </table> <p>Note: LCOVER HCL-90010004</p>	STD	MIN	MAX	SPEED	60	54.31	63.52	61.0%	<p><b>VP-018</b> OEE: 104.92% TOSHIBA TX-03500004</p> <p>Running Since 9hrs 35mins Prod: 64   Reg: 0</p> <table border="1"> <tr><th>STD</th><th>MIN</th><th>MAX</th><th>SPEED</th></tr> <tr><td>59</td><td>54.44</td><td>68.18</td><td>61.0%</td></tr> </table> <p>Note: HCL_BCOV-90010021</p>	STD	MIN	MAX	SPEED	59	54.44	68.18	61.0%	<p><b>VP-019-250C</b> OEE: 82.67% MILACRON 30010673</p> <p>Running Since 2hrs 30mins Prod: 62   Reg: 0</p> <table border="1"> <tr><th>STD</th><th>MIN</th><th>MAX</th><th>SPEED</th></tr> <tr><td>48</td><td>45.78</td><td>100.41</td><td>61.0%</td></tr> </table> <p>Note: SL-DUCT-INLET-900100623-4812810</p>	STD	MIN	MAX	SPEED	48	45.78	100.41	61.0%	<p><b>VP-020</b> OEE: 108.33% MILACRON 30010671</p> <p>Running Since 3hrs 0mins Prod: 52   Reg: 0</p> <table border="1"> <tr><th>STD</th><th>MIN</th><th>MAX</th><th>SPEED</th></tr> <tr><td>34</td><td>52.25</td><td>114.63</td><td>32.0%</td></tr> </table> <p>Note: KBALANCER-71030008-DC53-002878</p>	STD	MIN	MAX	SPEED	34	52.25	114.63	32.0%
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<p><b>VP-021</b> OEE: 85.83% MILACRON 30010672</p> <p>Running Since 10hrs 17mins Prod: 110   Reg: 0</p> <table border="1"> <tr><th>STD</th><th>MIN</th><th>MAX</th><th>SPEED</th></tr> <tr><td>53</td><td>51.17</td><td>53.29</td><td>36.0%</td></tr> </table> <p>Note: CASE PBA-71020075-54830150</p>	STD	MIN	MAX	SPEED	53	51.17	53.29	36.0%	<p><b>VP-022-350C</b> OEE: 80% MILACRON 30010674</p> <p>Running Since 5hrs 29mins Prod: 64   Reg: 0</p> <table border="1"> <tr><th>STD</th><th>MIN</th><th>MAX</th><th>SPEED</th></tr> <tr><td>45</td><td>43.27</td><td>51.38</td><td>34.0%</td></tr> </table> <p>Note: SP25-SAI-90010076-48-531654</p>	STD	MIN	MAX	SPEED	45	43.27	51.38	34.0%	<p><b>IMG-23-500E</b> OEE: 81.62% MILACRON 30018218</p> <p>Running Since 72hrs 5mins Prod: 148   Reg: 0</p> <table border="1"> <tr><th>STD</th><th>MIN</th><th>MAX</th><th>SPEED</th></tr> <tr><td>43</td><td>43.25</td><td>43.55</td><td>73.0%</td></tr> </table> <p>Note: GUARD-FRE-SMA-910200396A-A63-083378</p>	STD	MIN	MAX	SPEED	43	43.25	43.55	73.0%	<p><b>IMG-24-500F</b> OEE: 82.5% MILACRON 30018217</p> <p>Running Since 39hrs 0mins Prod: 74   Reg: 0</p> <table border="1"> <tr><th>STD</th><th>MIN</th><th>MAX</th><th>SPEED</th></tr> <tr><td>45</td><td>46.08</td><td>46.18</td><td>72.0%</td></tr> </table> <p>Note: SUPPORT ICE MA-71020010-DA61-13216A</p>	STD	MIN	MAX	SPEED	45	46.08	46.18	72.0%
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<p><b>VP-027-500G</b> OEE: 110% MILACRON 30010675</p> <p>Running Since 11hrs 57mins Prod: 182   Reg: 0</p> <table border="1"> <tr><th>STD</th><th>MIN</th><th>MAX</th><th>SPEED</th></tr> <tr><td>47</td><td>39.52</td><td>39.56</td><td>32.0%</td></tr> </table> <p>Note: guard ref up-91020035</p>	STD	MIN	MAX	SPEED	47	39.52	39.56	32.0%	<p><b>VP-028-500H</b> OEE: 81.16% MILACRON 30010676</p> <p>Running Since 11hrs 57mins Prod: 182   Reg: 0</p> <table border="1"> <tr><th>STD</th><th>MIN</th><th>MAX</th><th>SPEED</th></tr> <tr><td>47</td><td>39.52</td><td>39.56</td><td>32.0%</td></tr> </table> <p>Note: guard ref up-91020035</p>	STD	MIN	MAX	SPEED	47	39.52	39.56	32.0%	<p><b>IMG-20-500C</b> OEE: 88.73% MILACRON 30014203</p> <p>Running Since 3hrs 4mins Prod: 36   Reg: 0</p> <table border="1"> <tr><th>STD</th><th>MIN</th><th>MAX</th><th>SPEED</th></tr> <tr><td>--</td><td>67.11</td><td>379.34</td><td>37.0%</td></tr> </table> <p>Note: FUSE RELAYBOX-1453</p>	STD	MIN	MAX	SPEED	--	67.11	379.34	37.0%	<p><b>VP-016</b> OEE: 91.73% TOSHIBA DTS-5500020</p> <p>Running Since 2hrs 12mins Prod: 122   Reg: 0</p> <table border="1"> <tr><th>STD</th><th>MIN</th><th>MAX</th><th>SPEED</th></tr> <tr><td>54</td><td>55.53</td><td>72.88</td><td>38.0%</td></tr> </table> <p>Note: TAILGATE up-90030001</p>	STD	MIN	MAX	SPEED	54	55.53	72.88	38.0%
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Efficiency Analysis



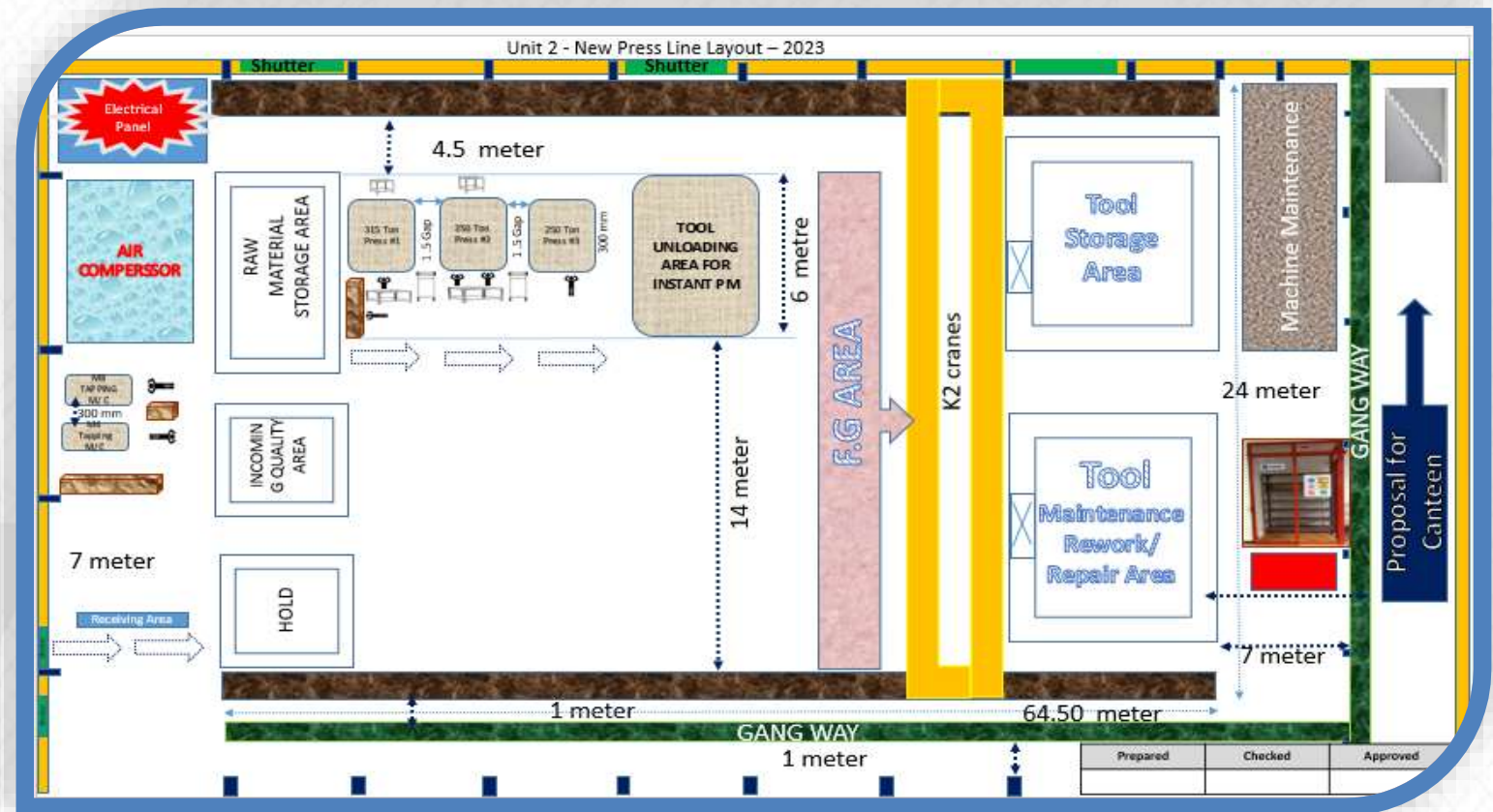
Alarm Analytics



## LIQUID PAINTING PLANT (CHENNAI)



## PRESS MOULDING PLANT (CHENNAI)



## EPS MOULDING PLANT (CHENNAI)



## MODULE ASSEMBLIES



Ultrasonic Welding



Hot Plate Welding



Spoiler Assembly



Grill Assembly



Module Assembly



Washing Machine Painting, Printing, Welding & Assembly



## OUR ESTEEMED AUTOMOTIVE CUSTOMERS



LIGHTING



ENGINE



INTERIOR | EXTERIOR



## MANUFACTURED COMPONENTS (EV)

### PAINTING COMPONENTS



Front Panel Top



Side Panel LH



Front Panel Top



Side Panel RH



Front Fender



Protection Board LH



Rear Panel Top



Protection Board RH



Instrument Cluster Cover FR

## EV – 2W BATTERY COMPONENTS



## EV – 2W BODY COMPONENTS



**Bottom Shell**



**Body Panel Side LH**



**Rear  
Lower**



**Grab Handle**



**Body Panel Side RH**



**Body Outer**



**Body Panel Floor**



**Body Panel Front Inner**



**Module Components**

## AUTOMOTIVE COMPONENTS BODY COLOUR PAINTING - 4W



QX1 Spoiler - X5B



PS71 Spoiler - X5B



PS71 Spoiler - PWT



Spoiler Lower - SU21



BI3 Spoiler - X5B

**AUTOMOTIVE SPOILERS**

## AUTOMOTIVE PAINTING COMPONENTS

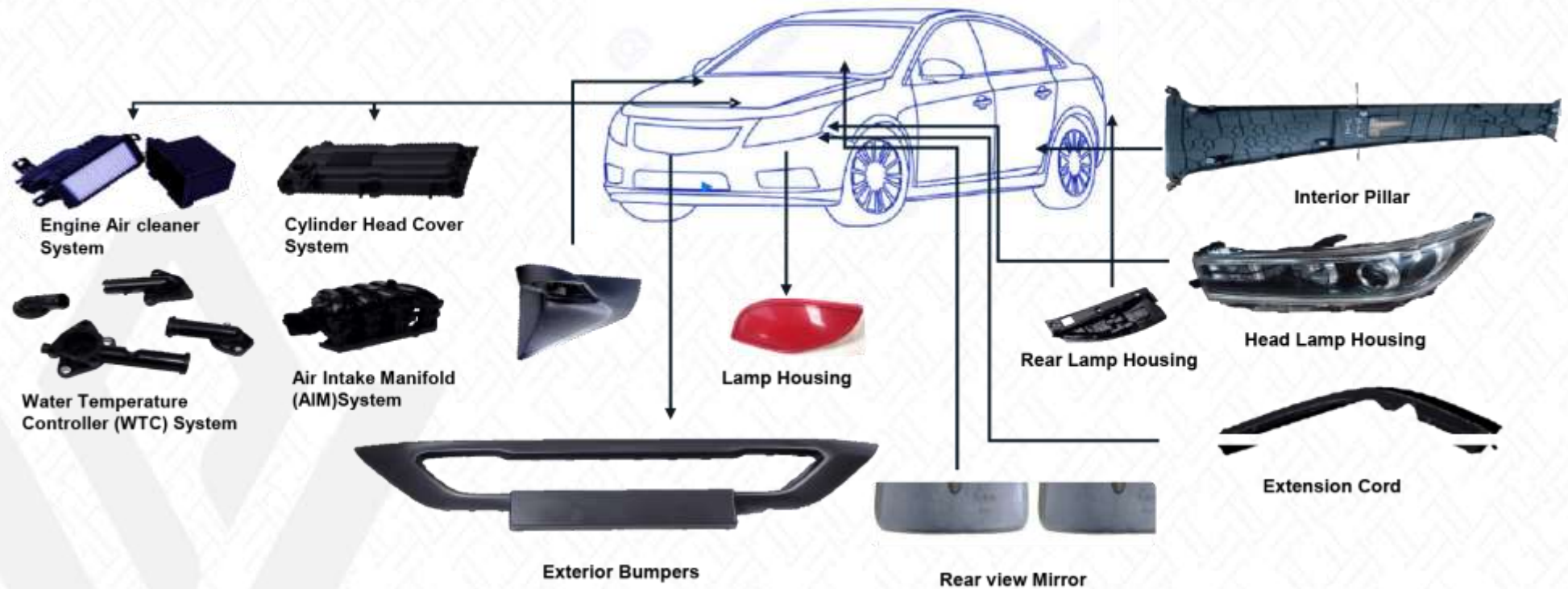


**ANTENNAS**



**RADIATOR GRILL**

## AUTOMOTIVE SEGMENTS



## OUR ESTEEMED APPLIANCE CUSTOMERS

WASHING MACHINE  
**SAMSUNG**  
**IFB**



AIR CONDITIONER  
**SAMSUNG**  
**IFB**  
★ BLUE STAR



RIGID PACKAGING  
**SAMSUNG**  
★ BLUE STAR



REFRIGERATOR  
**SAMSUNG**



SMALL APPLIANCES  
**Panasonic**





## CURRENT PROJECTS IN DIGITAL APPLIANCES

### SAMSUNG

#### WASHING MACHINE SEGMENT

- U Project - Fully Auto FL
- Baikal Project - Fully Auto FL
- 4000T Project(HS & HH) - Fully Auto TL
- 3050 Project - Fully Auto TL
- Krishna Project - Semi Auto TL



#### REFRIGERATOR SEGMENT

- Single Door
- Double Door



#### AIR CONDITIONER SEGMENT

- QMD - 2
- QMD - 3



## HOME APPLIANCE - WASHING MACHINE FULLY AUTO FRONT LOADER

### SAMSUNG



# HOME APPLIANCE - WASHING MACHINE FULLY AUTO 7.0 KG MODULE

## SAMSUNG

10 Friction Welding

5 Wire Hardness Assembly

11 Printing

1 Module Assembly

4 Friction Welding

6

7

8

2 Printing/Pressing/Assembly

9 Assembly

3 Printing/Pressing/Assembly

Operations Involved

- Printing
- Pressing
- Welding
- Assembly

MAIN MATERIAL LIST			
Sl.no	Name	Qty	Secondary Operations
1	COVER TOP	1	Assembly
2	Lid Cover	1	Printing/Pressing /Assembly
3	Lid T C	1	Printing/Pressing /Assembly
4	Cover Hinge	1	Assembly
5	Assy Wire harness	1	Assembly
6	Switch Reed	1	Assembly
7	Case Detergent	1	Assembly
8	Wire Vinyl	0.22 m	Assembly
9	Cover Guide Wire	2	Assembly
10	Outer Tub	1	Welding/Assembly
11	Cover TC	1	Printing/Assembly

## HOME APPLIANCES - REFRIGERATOR

### SAMSUNG



## CURRENT PROJECTS IN DIGITAL APPLIANCES

**IFB**

### WASHING MACHINE SEGMENT

- Top Loader (15 Models) Painted / Non Painted with Assemblies
- Front Loader (7 Models) Painted with assembly



### AIR CONDITIONER SEGMENT

- 2 Way Swing
- 4 Way Swing



## HOME APPLIANCE - WASHING MACHINE FRONT LOADER 6.0 KG MODULE

**IFB**

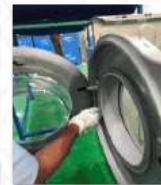


Insert Moulding

MAIN MATERIAL LIST			
Sl.no	NAME	Q'TY	Secondary Operations
1	Door Outer Cover 2(Ultra Plus) - White	1	13
2	Door Outer Ring 2(Ultra Plus)	1	14
3	Door Inner Cover 2(Ultra Plus)	1	
	Door Glass	1	



Top Lid Painting & Assembly



Door Assembly

### Operations Involved

- Painting
- Insert Moulding
- Assembly

## CURRENT PROJECTS IN DIGITAL APPLIANCES



### AIR CONDITIONER SEGMENT

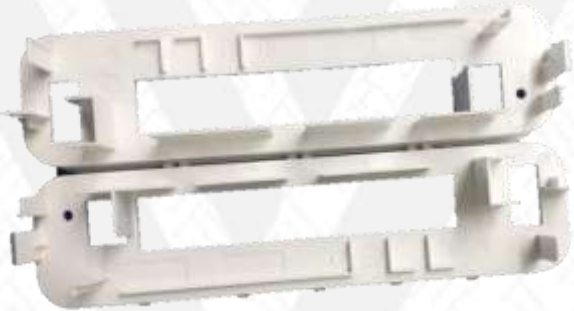
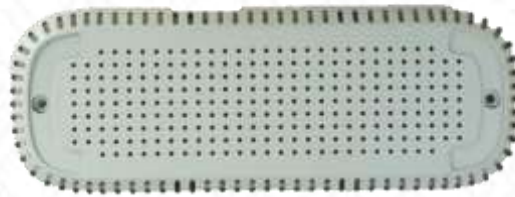
- IDU 18K 1.5T
- IDU 12K 0.8T



- ODU C16 0.8T
- ODU C20 1.0T
- ODU C22 1.5T



## TELECOM PRODUCT





## BEST VENDOR AWARDS FROM CUSTOMERS

We are proud to share our achievements – a collection of awards from our valued customers. These accolades stand as a testament to our team's unwavering commitment, output of exceptional quality and top-tier service.

We extend our heartfelt gratitude to our customers for their enduring support and acknowledgment. Looking ahead, we eagerly anticipate the privilege of continuing to serve them.

**BEST SUPPLIER AWARD  
FOR QUALITY -2019**



**PRO – 3M  
AWARD - 2016**



**MACHINE & UTILITY  
IMPROVEMENTS AWARD - 2018**



**OUTSTANDING  
AWARD – 2015**



**OUTSTANDING  
AWARD - 2017**



**OUTSTANDING  
AWARD - 2013**



**APPRECIATION  
AWARD - 2019**



**BEST SAFETY  
PRACTICES 2017-18**



**BEST SUPPLIER  
2018 - 2019**



**BEST SUPPLIER  
2017**



**AWARD FOR  
EXCELLENCE - 2019**



**BEST SUPPLIER  
2016**



**AMPERE OFFICIAL  
EV PARTNER**



## NEW VENTURE - VIGNESH ELECTRIC

**Vignesh Electric is a new and dynamic player in the electric vehicle (EV) industry, specialising in the manufacturing of BLDC motors and fans along with batteries and chargers for EVs.**

Our commitment to innovation and sustainability drives us as we embark on a journey to support the growing EV market.

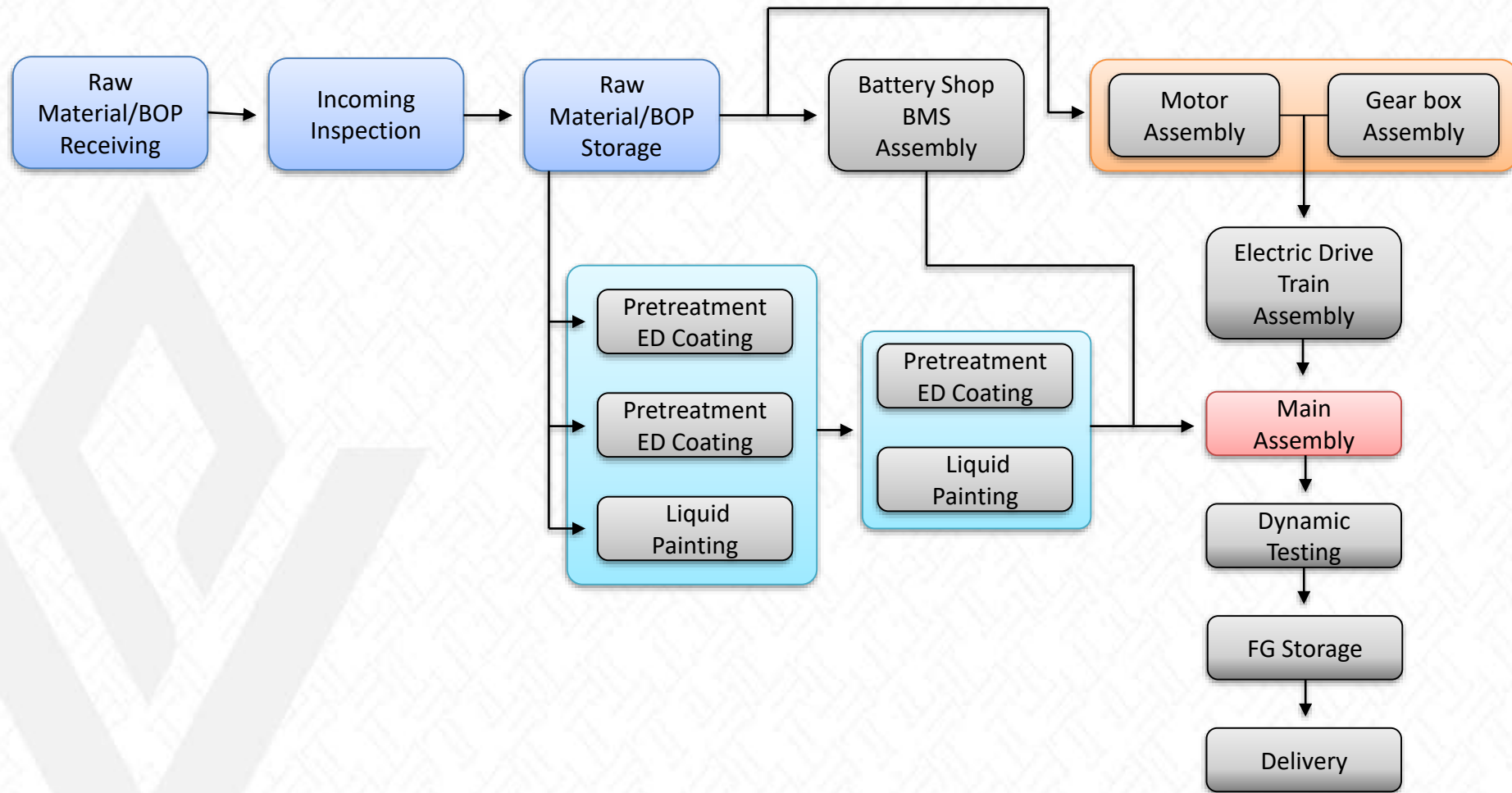
We have recently established a cutting-edge facility in Pochampalli (Tamil Nadu), aimed at expanding our production capabilities to meet the increasing demand for EV components.

Vignesh Electric is dedicated to contributing to the electric mobility revolution with quality components and a forward-looking approach.



## PROPOSED EV FACILITY

### EV MANUFACTURING PROCESS FLOW



## EV MANUFACTURING PROCESS

Vehicle



Battery Assembly



BMS



Electric Motor Assembly



Motors



Gear Box



Electric Drive Train



Main Assembly



**THANK YOU**

[www.vigneshpolymers.com](http://www.vigneshpolymers.com)