



**WELCOME TO**

**POLYTRONICS**

**(A Part Of Polyfit Group)**



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## Group Company



## Polyfit Fabricators Pvt. Ltd.

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- Polyfit group was established in 1977, headquartered in Chennai, India.
- Spread across 17,000 sq. meter facility in Ambattur Industrial Estate with state-of-the-art equipment & technologies.
- An ISO 9001:2015/TS:16949:2016 certified company.
- Highly skilled & experienced team with profound knowledge in manufacturing hydraulic fittings, custom-made fittings for fluid transfer, and specialized fabrication.



Group Company



## Polyfit Fabricators Pvt. Ltd.

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- Specializes in the manufacture of

### Unit –I

- CNC Pipe And Tube Bending
- Hydraulic Hose Fittings & Assemblies
- Custom Made Fittings For Various Fluid Transfer Applications
- Automobile Parts.

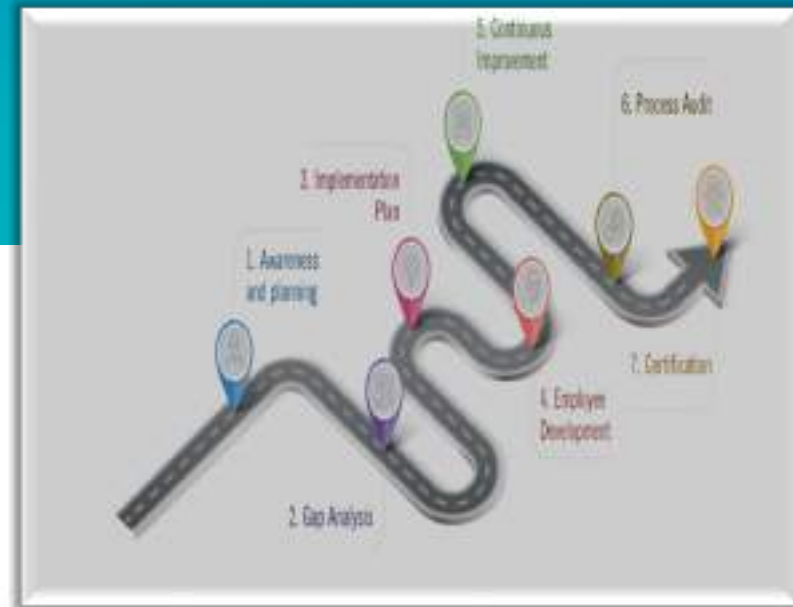
### Unit- II

- Specialized Fabrication Works
  - Wind Mill Blade Supporting Structure & Lifting Structure
  - Load testing of Lifting Equipment's
  - Load Body, Sub frame & Crane Sub Parts
  - Cement Conveyor Closed & Open Turf
  - R.O.P.S. & Front Axle for Tractors
- Utilizes cutting-edge technology and modern equipment to ensure products meet global standards.

# Certifications



ISO 9001



IATF- 16969  
Road Map Plan



## MD Message



### Mr. Ali Asger- M.Tech (Polymer Technology)

- "We strive to stay current with industry standards so that we can fulfill our customers" needs to the best of our ability.
- Our team is carefully selected based on their skills, efficiency, and expertise in their respective fields.
- Every project, regardless of its size or significance, is an opportunity for us to improve and advance.
- Ultimately, it's not just about what we do, but how we do it.

A photograph of two men in business suits sitting at a table, with one man's hand holding a pen over a document. The image is partially obscured by a teal overlay.

## Our Business

- We specialize in producing precision plastic injection molded parts for automotive, electrical and electronics, and other industrial sectors.
- Our manufacturing process involves utilizing a diverse range of engineering and commodity polymers.

# Manufacturing Infrastructure

Injection Molding Machine				
Sl.No	Description	Machine		
1	Machine Brand	Toyo	Toyo	Toyo
2	Machine Model/Year	SI-6S(D150E)/ 2022	SI-6S(F75E)/2022	SI-6S(F200E)/2022
3	Injection Type(Horizontal/Vertical)	Horizontal	Horizontal	Horizontal
4	Machine Size(L*W*H)(mm)	3429*1012*1601	4380*1207*1667	5216*1346*1805
5	Machine Tonnage	50	100	180
6	Machine Type(Servo/All Electric)	All Electric	All Electric	All Electric
7	Tie- Bar Distance(H*V)(mm)	360*360	460*460	560*560
8	Fixed Platen Size(mm)	500*500	630*630	780*780
9	Maximum Mold Open Distance(mm)	260	360	470
10	MaxShot Wt Grms(GPPS)	80	103	240
11	No of Machine	3	6	1



# Manufacturing Infrastructure

MTC(MOLD TEMPEATURE CONTROLLER- WATER)			
Make	Type	Max Temp	No of Mc's
Shibaura	Water	90°C	22



CENTRALIZED MATERIAL CONVEY SYSTEM- DEHUMIDIFIER'S				
Make	Drying unit	Day Bins	Capacity(lit) Ea	Drying Temp (max)
Shibaura	10	10	25	150°C



COOLING TOWER
100 TR



DG
380KVA



## Manufacturing Facilities

Built up area 61,500 sqft



# Manufacturing Facilities



# Raw Material Used

## ENGINEERING PLASTICS:

01

ABS

02

PC+ABS

03

PA66( GF 33%)

04

PMMA

05

PC

06

POM

07

PBT

08

PA6(GF 30%)

09

TPE

# Testing Lab Facilities

Moisture Analyzer



Precision weight scale



Height gauge



Micro meter



Lux Meter



Infrared thermometer



Vernier



Projector Profile



# Product Range Automotive

Button



Knob



Combination Switch



Knob



Starter



Rotor



## Products Manufactured for Car(Models)

Hyundai-Tucson



Hyundai- Grand I10  
(AI3)



Hyundai- Creta  
(SU2I & SU2R)



Nissan- Magnite



PSA- C3



## Future Expansion Plan in SMT

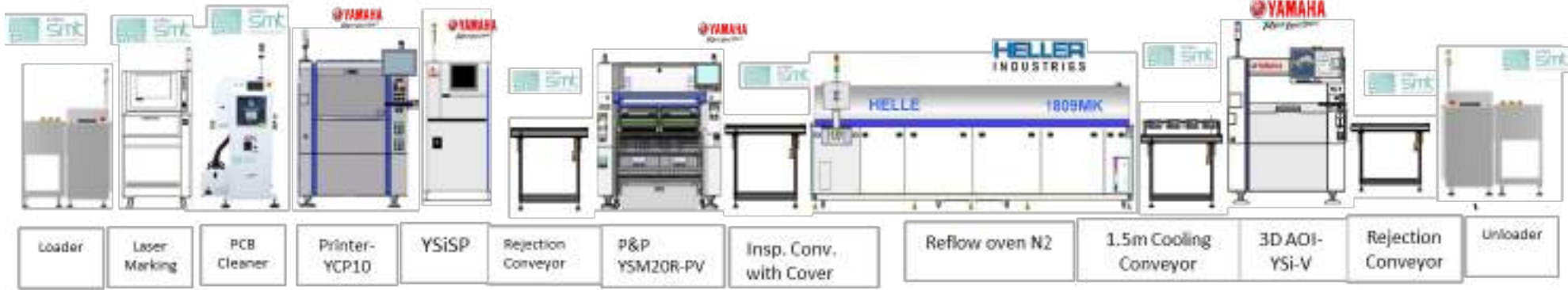
**Surface Mount Technology (SMT)** is a method of manufacturing electronic circuits in which the components are mounted directly onto the surface of the printed circuit board (PCB) instead of being inserted into holes in the board, as in through-hole technology.

### **Advantages:**

- Increased automation.
- Maximum flexibility in building PCBs.
- Smaller, lighter boards.
- Ease of PCB assembly, using both sides of the board without the hole limitations that exist in the conventional method.
- Can co-exist with through-hole components, even on the same board.
- Simplified production process & reduced production & material cost.



# SMT Line Layout using the best in class technology





# THANK YOU

## Contact Us

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