

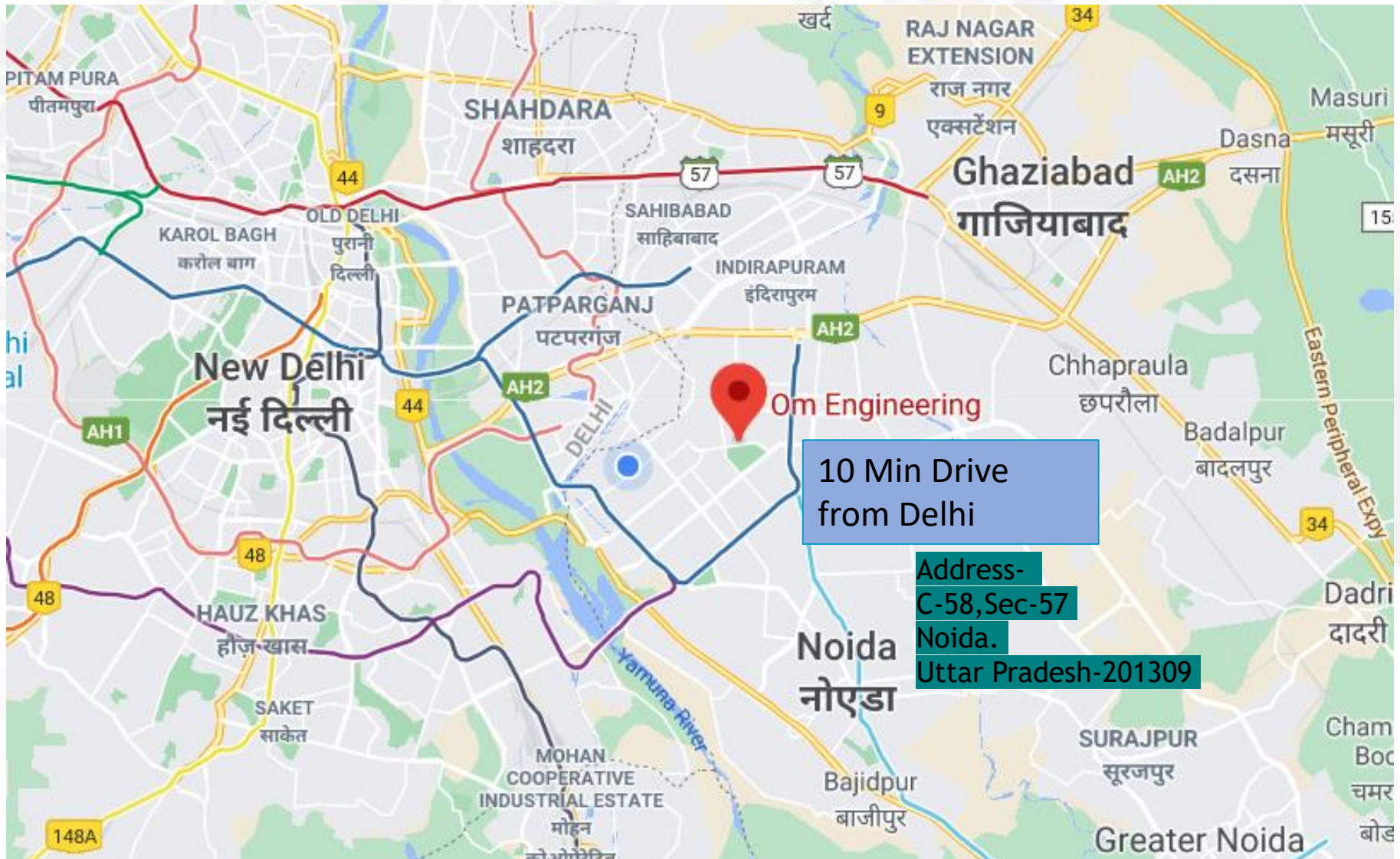


**Om Engineering**

## 1.GROUP OVERVIEW

1. GEOGRAPHICAL PRESENCE
  2. COMPANY INTRODUCTION
  3. MILESTONES
  4. CERTIFICATIONS
  5. CUSTOMERS
  6. PRODUCT RANGE
  7. CREDENTIALS / CUSTOMER FEEDBACK
  8. PLANT OVERVIEW
  9. ORGANIZATION CHART AND TECHNICAL TEAM
- INTRODUCTION

# Geographical Perspective







## Company information

Company establishment: Company was established in 1980.

Major Business Scope: Specialized in Moulding of Insert moulding parts.

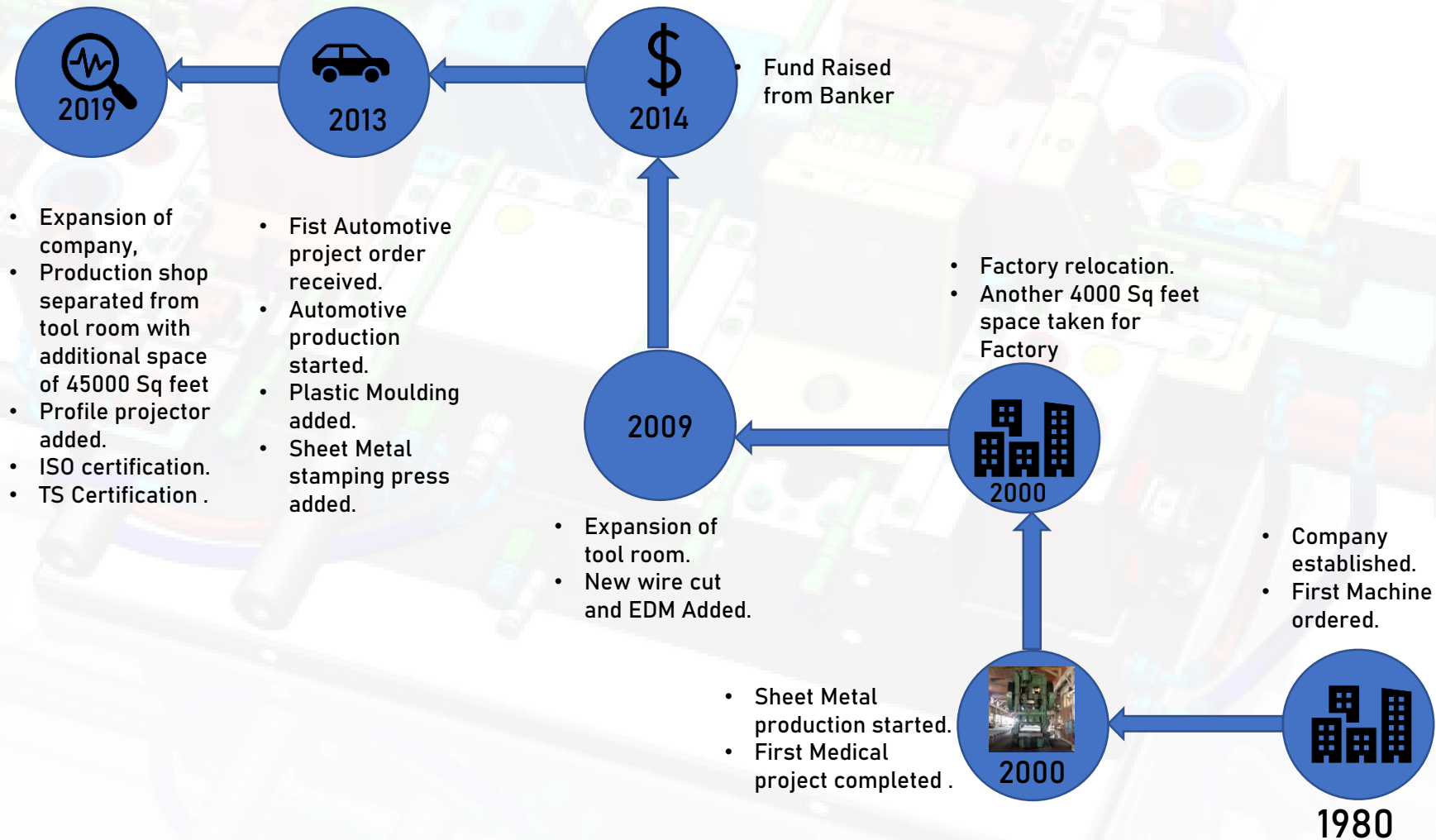
Employees: Around 100 staff, including precision machining facility #1 with 70 staff and 15 for moulds assembly facility. Including nearly 20 years experienced engineering team 5 staff and 3 experienced project managers.

Certifications:- ISO 9001-2015 & IATF 19649 certified.

Market Segments:- Product Experience Serving automotive, housing appliance, medical, and electronics customers.

Vision:- Our Vision To excel in providing our customers with the most cost effective, highest quality injection mould and value added solutions on time.

# Company information





## Certificate of Registration

This certificate has been awarded to

**OM Engineering**

Plot No. C-58, Sector-57, Noida, Gautam Budh Nagar, Uttar Pradesh, 201301, India

in recognition of the organization's Quality Management System which complies with

**IATF 16949:2016**

The scope of activities covered by this certificate is defined below

**Manufacture of Plastic Moulded Parts, Sheet Metal Parts and Sheet Metal Molded Parts (Excluded Product Design under Clause 8.3)**

Certificate number of 0001 confirms the client has a single site certified & Branches/Units/Offices or Subsidiaries located in other certified sites within the certificate number of 0001, as given in the table below. The table below is for the client's use only. The validity of this certificate depends on the validity of the scope certificate.

Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
27 October 2022	1	26 October 2025	1
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
27 October 2022	0	27 October 2022	0460659

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/logos-and-regulations>

Issued by



On behalf of the Schemes Manager

If there is any doubt as to the authenticity of this certificate, please do not hesitate to contact the Head Office of the Group or visit our website. URS is a member of United Registrar of Systems (UKAS), United House, 11 Bishop Road, Scarborough, YO12 0JL, UK. Company Registration no. 1228661.



## Certificate of Registration

This certificate has been awarded to

**OM Engineering**

Plot No. C-58, Sector-57, Noida, Gautam Budh Nagar, Uttar Pradesh, 201301, India

in recognition of the organization's Quality Management System which complies with

**ISO 9001:2015**

The scope of activities covered by this certificate is defined below

**Manufacture of Plastic Moulded Parts, Sheet Metal Parts and Sheet Metal Molded Parts (Excluded Product Design under Clause 8.3)**

Certificate number of 0001 confirms the client has a single site certified & Branches/Units/Offices or Subsidiaries located in other certified sites within the certificate number of 0001, as given in the table below. The table below is for the client's use only. The validity of this certificate depends on the validity of the scope certificate.

Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
27 October 2022	1	26 October 2025	1
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
27 October 2022	0	27 October 2022	

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/logos-and-regulations>

Issued by



On behalf of the Schemes Manager

If there is any doubt as to the authenticity of this certificate, please do not hesitate to contact the Head Office of the Group or visit our website. URS is a member of United Registrar of Systems (UKAS), United House, 11 Bishop Road, Scarborough, YO12 0JL, UK. Company Registration no. 1228661.



End customer



PIAGGIO



RENAULT

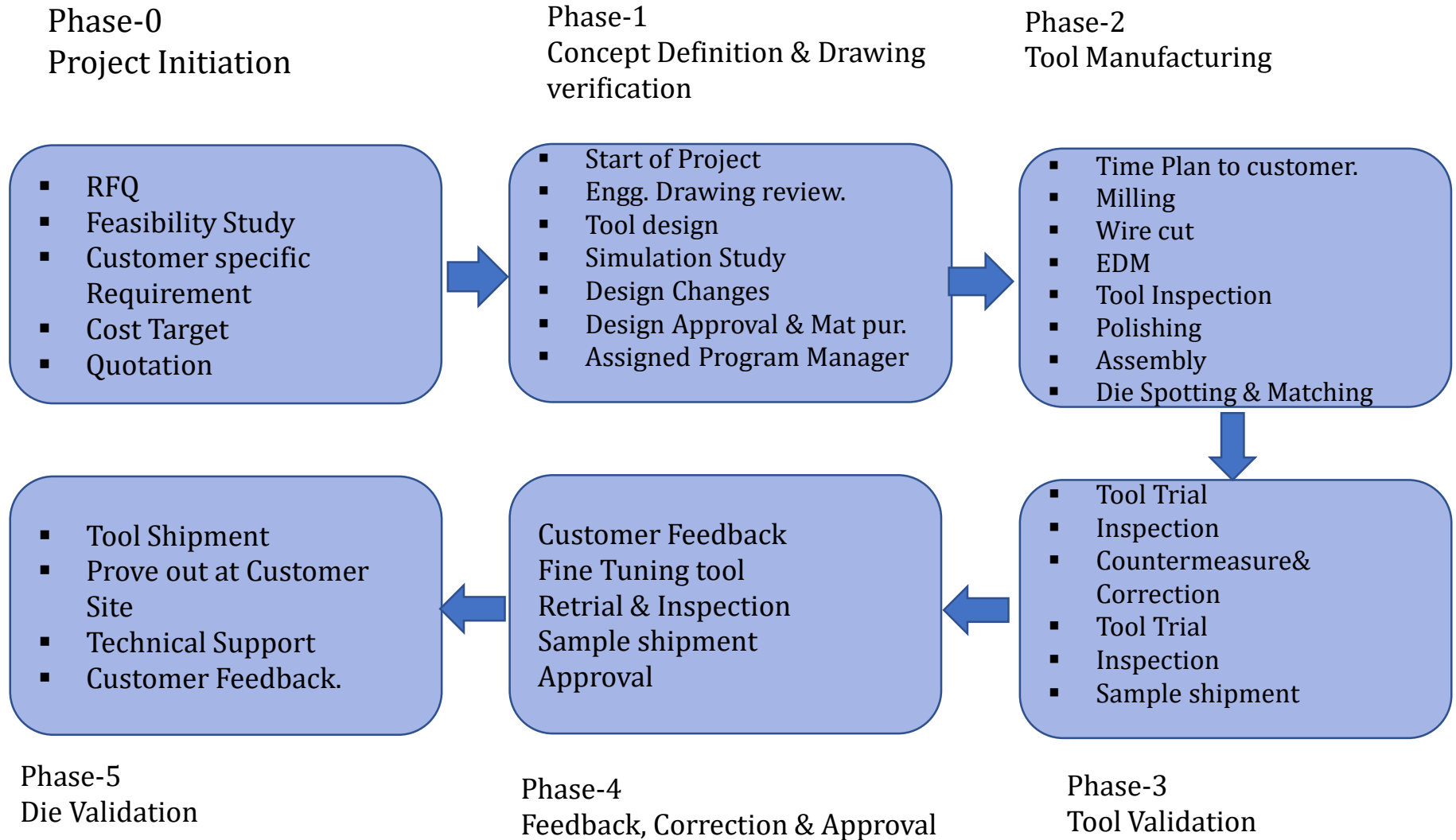




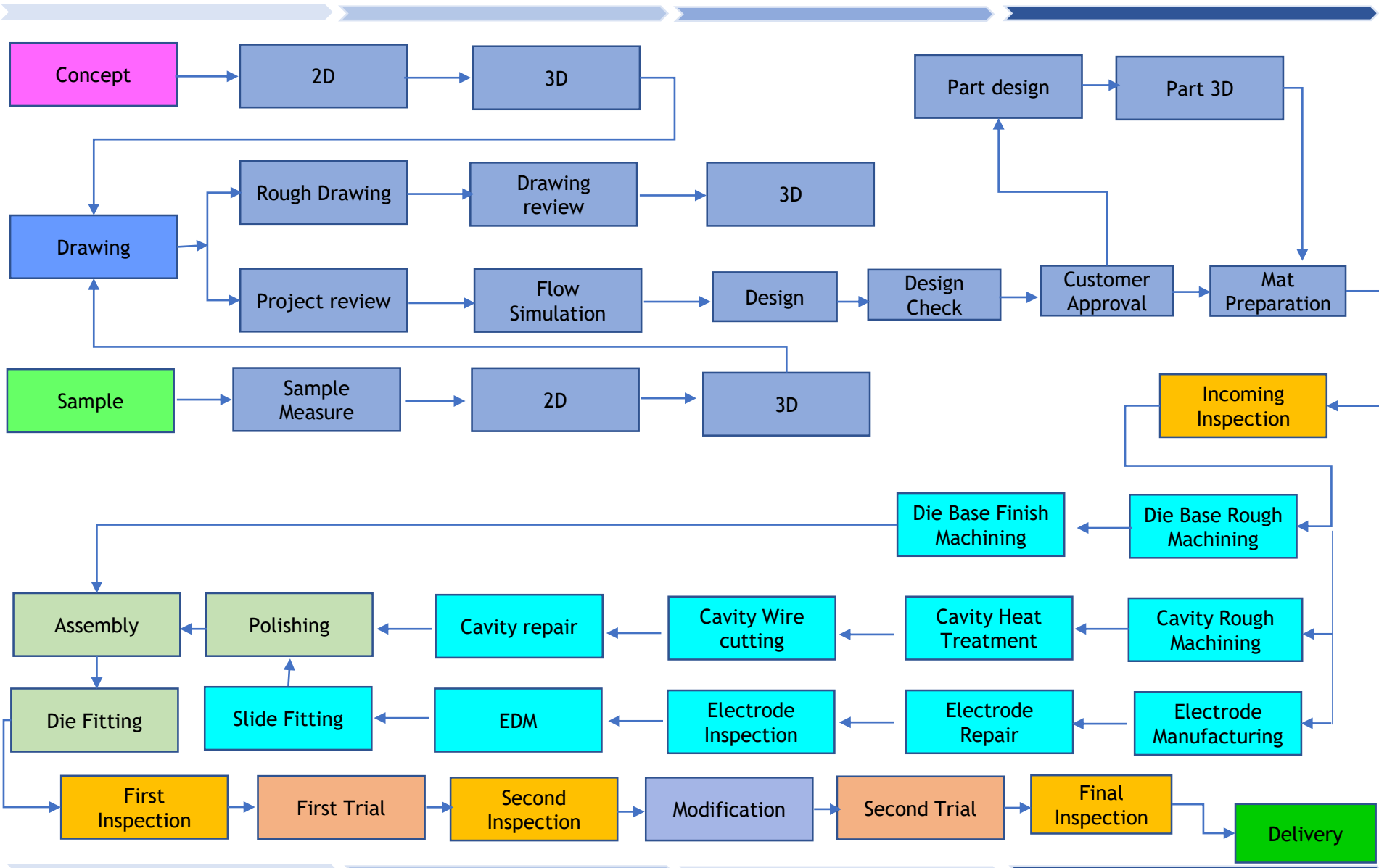
Direct customer



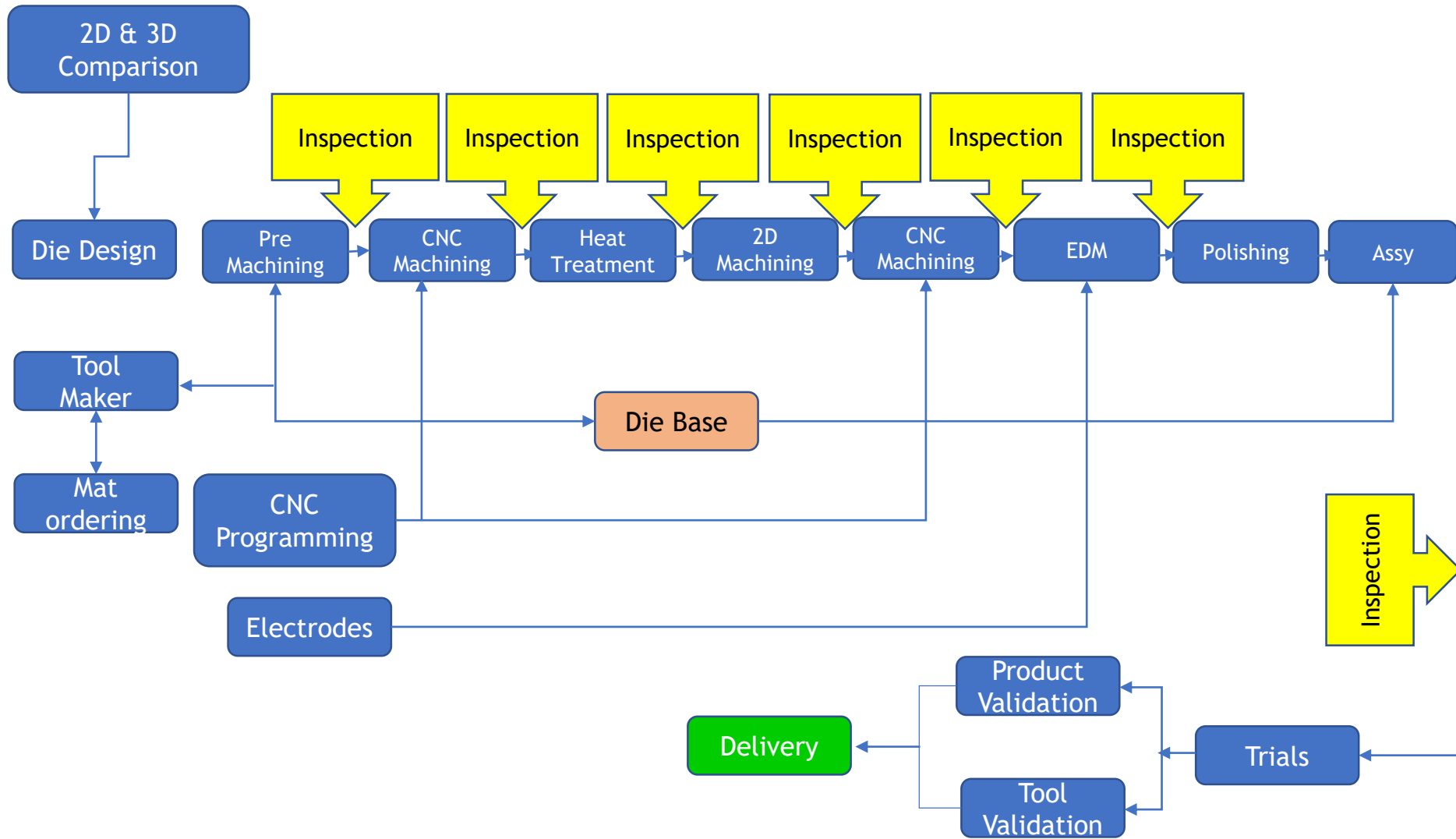
# Mould & Press Tool Development Process



# Mould Manufacturing Process

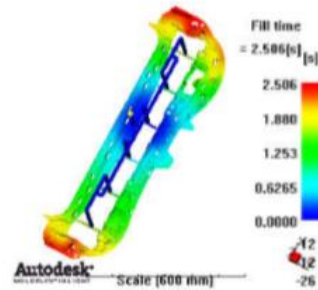


# QA During TOOL development Process





◆ Experienced Engineering Capability



◆ Project Management On-time Delivery



◆ High Precision Machining.



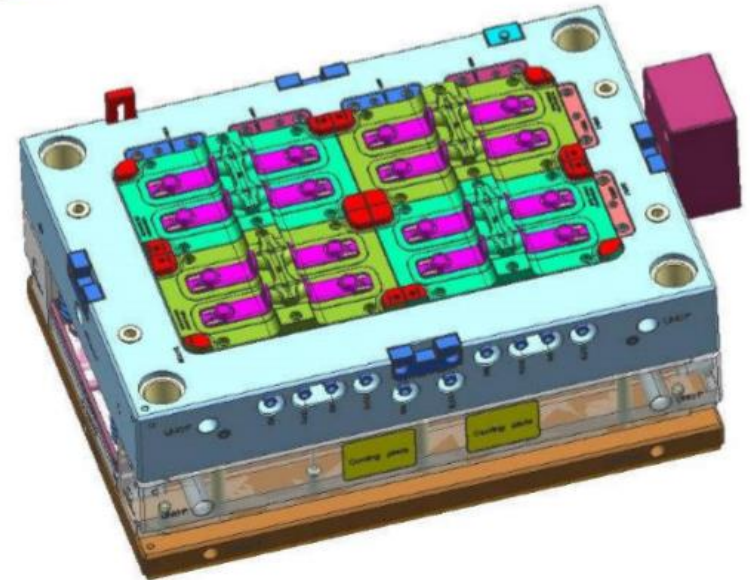
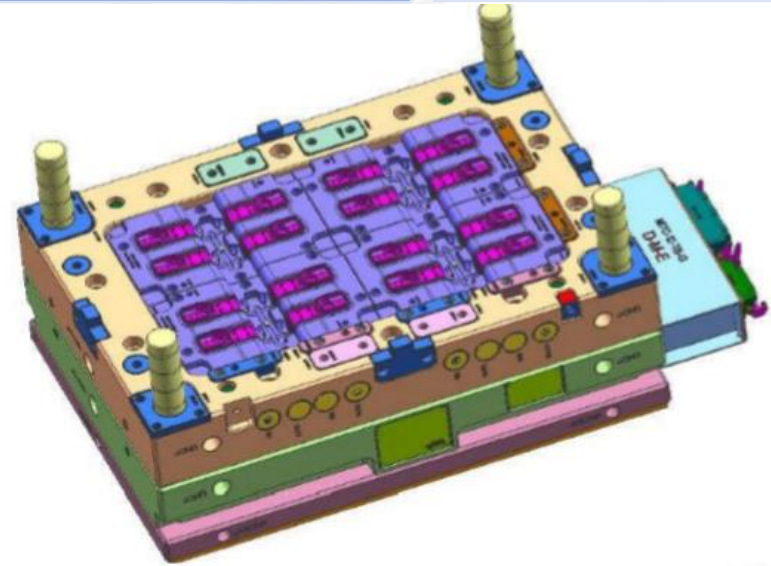
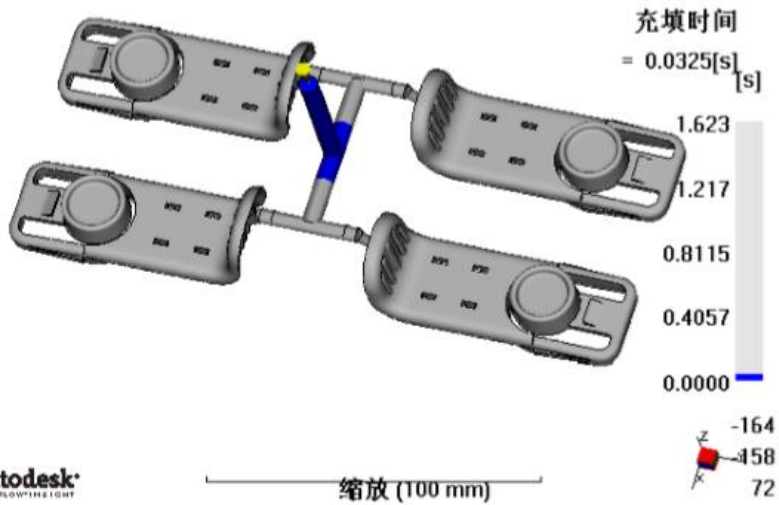
Weekly Process Report	
Date	Status
2023-10-01	Completed
2023-10-02	In Progress
2023-10-03	On Hold
2023-10-04	Completed
2023-10-05	In Progress
2023-10-06	On Hold
2023-10-07	Completed
2023-10-08	In Progress
2023-10-09	On Hold
2023-10-10	Completed
2023-10-11	In Progress
2023-10-12	On Hold
2023-10-13	Completed
2023-10-14	In Progress
2023-10-15	On Hold
2023-10-16	Completed
2023-10-17	In Progress
2023-10-18	On Hold
2023-10-19	Completed
2023-10-20	In Progress
2023-10-21	On Hold
2023-10-22	Completed
2023-10-23	In Progress
2023-10-24	On Hold
2023-10-25	Completed
2023-10-26	In Progress
2023-10-27	On Hold
2023-10-28	Completed
2023-10-29	In Progress
2023-10-30	On Hold
2023-10-31	Completed



◆ Strict Quality Control

# Mould Flow Analysis

## Experienced Engineering Capability



## Reviewing customer prints can often result in design suggestions that improve manufacturability and reliability.

Engineering is where cost savings and part improvements begin. Our engineers help you explore effective ways to take advantage of DFM, Mold Flow for Warp analysis to prevent mold issues from designing stage, to establish a draft of the part with proper gate locations and parting lines.

**Hot runner system:** Ewikon, Incoe, Synventive, Moldmaster, Husky, Yudo

**Hydraulic cylinders:** AHP Merkle, HEB, Parker

**Standard components :** HASCO, DME, Progressive, Meusburger

## Experienced Engineering Capability

### DFM

Find our best parting lines, part layouts, best gating way and position, proper side actions and ejections, mold size fit press machine.

### Mold flow analysis

In order to find defect of injection before building and optimize the tool part design, we will make mold flow simulation for special parts.

## Success Tool design

### Customer Specifications

Base on the European or US tool standard and customer requirements design the tool.  
Adequate communication with customer to make best tool concept to guarantee a smooth mass production.



# Office Entrance





# Plant overview (Moulding section)





# Mould Storage



# Plant overview (Press Shop)





## Plant overview (Tool assy shop)





## Plant overview (Grinder Section)



## Plant overview (Power Press section)





# Plant overview (Wirecut)



# Plant overview (Wire cut)



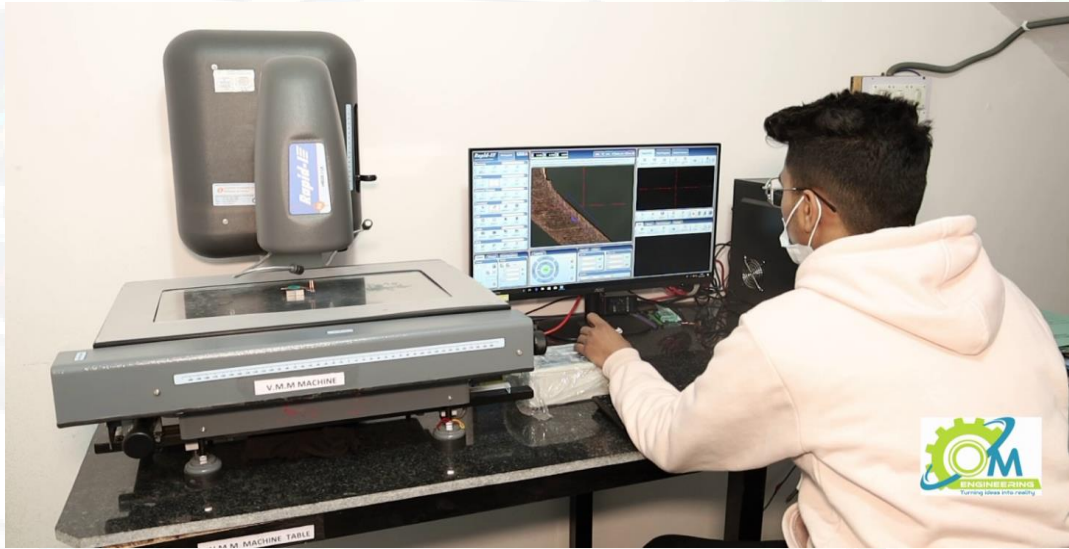






# Plant overview (EDM)





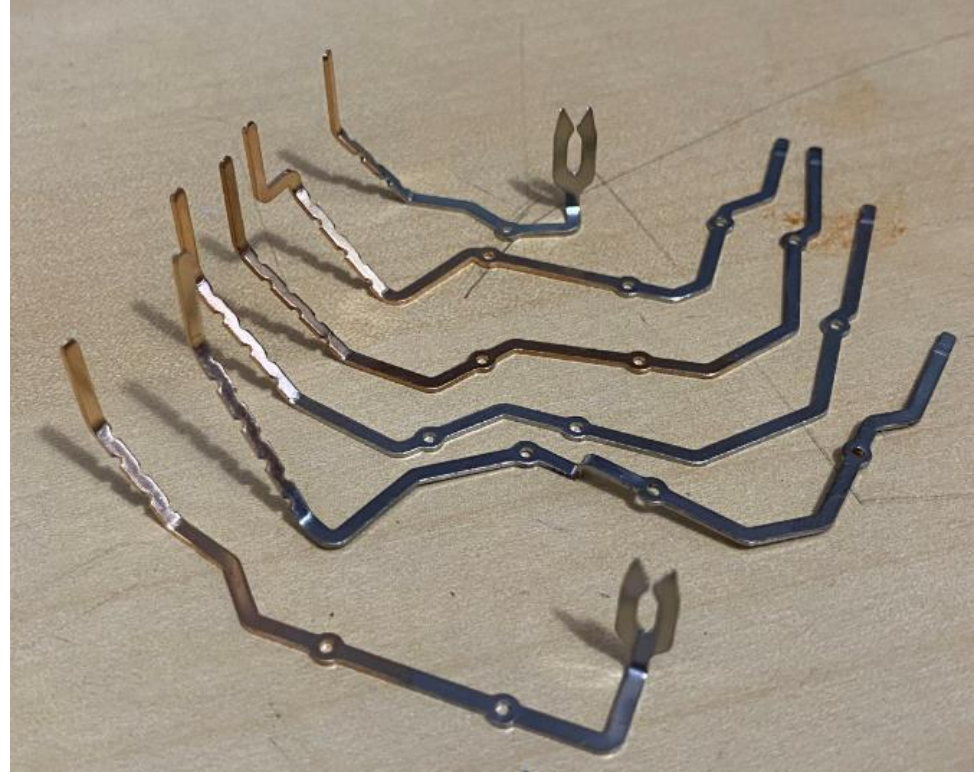


# Plant overview (Raw Material Store)





## Recent developments- Insert Moulding



The throttle is a means of controlling an engine's power by regulating the amount of fuel or air entering the engine hence the component of throttle is most critical parts of Engine, We proudly say that we are manufacturer of those kind of parts.



# Secondary Operation-Leakage Testing



Sr No	Test	Specification	Remarks
1	Leakage	1- 8cc/Min @300 mbar 2-2 cc/Min @300 mbar	@ 2 Places Individually and specification are different for both Places.
2	Continuity	<20 Mohm	
3	Insulation Resistance	@1000V > 100 Mohm	

# Complete solution Provider (Kushaq Engine Part)





## Recent developments- Insert



The throttle is a means of controlling an engine's power by regulating the amount of fuel or air entering the engine hence the component of throttle is most critical parts of Engine, We proudly say that we are manufacturer of those kind of parts.

PIN OUT				
N°	NAME	PLATING ON ALL SURFACES	THICKNESS	MINIMUM HARDNESS
1	SENSOR SIGNAL 1	Au on Ni	>0.8 $\mu$ m on Ni >2 $\mu$ m	100HV
2	SENSOR SUPPLY +	Au on Ni	>0.8 $\mu$ m on Ni >2 $\mu$ m	100HV
3	DC MOTOR +	Au on Ni	>0.8 $\mu$ m on Ni >2 $\mu$ m	100HV
4	SENSOR SIGNAL 2	Au on Ni	>0.8 $\mu$ m on Ni >2 $\mu$ m	100HV
5	DC MOTOR -	Au on Ni	>0.8 $\mu$ m on Ni >2 $\mu$ m	100HV
6	SENSOR GND -	Au on Ni	>0.8 $\mu$ m on Ni >2 $\mu$ m	100HV



# Automotive parts (Electronic throttle Body cover)



# Automotive parts (Electronic throttle Body cover)



# Automotive parts (Electronic throttle Body cover)





# Automotive parts (Motor Housing)



# Wireless Charger (Honda City)





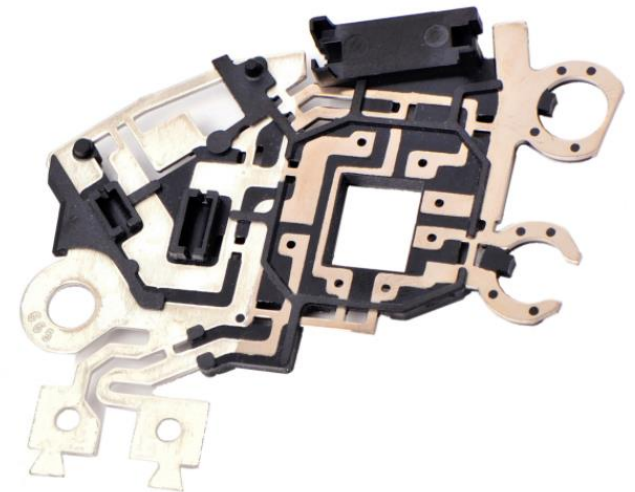
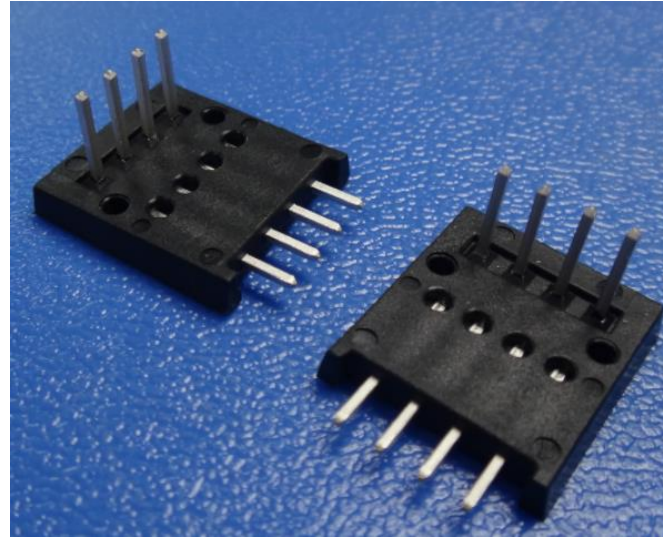
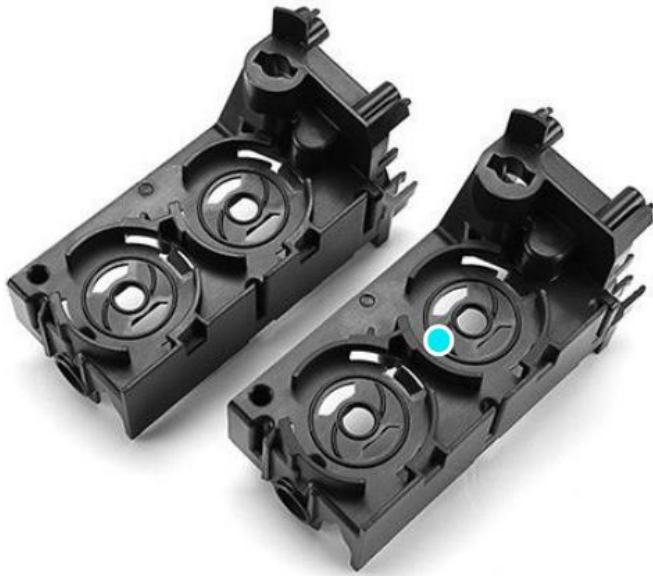
# Wireless Charger (Honda Amaze)





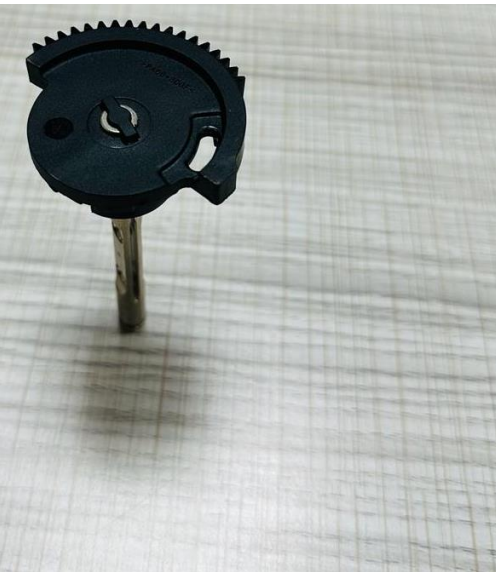
# Mud Flap (YTB)







# Automotive Gears with Shaft and Magnet

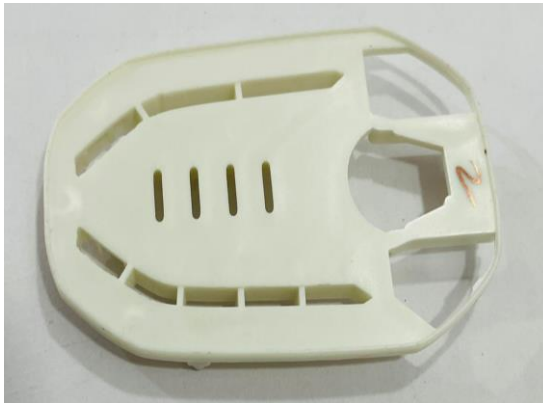




# Automotive Switch parts



# Automotive Switch parts





Hair Dryer



Trimmer



Hair Curlor



# Industrial Segment (PTMT)



Disclaimer:- Images are taken for reference purpose only.

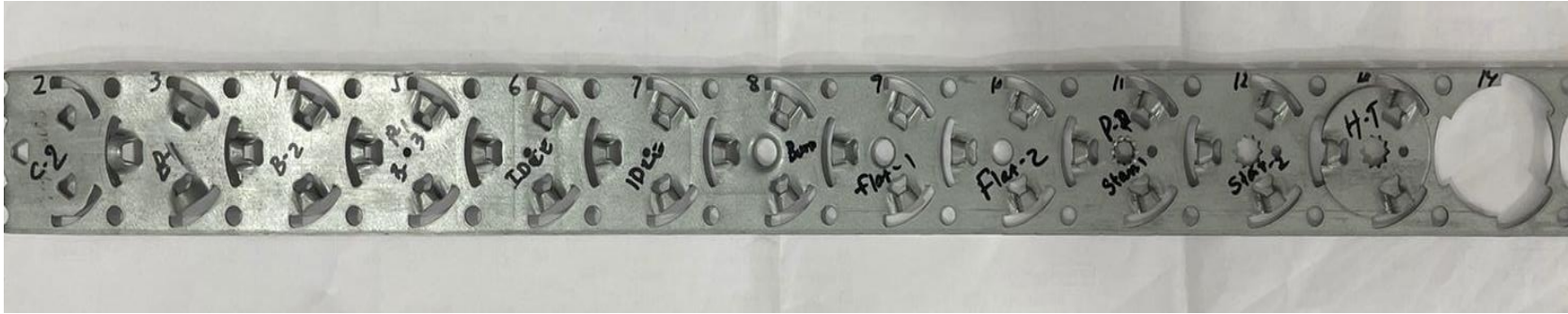
# Automotive Insert parts



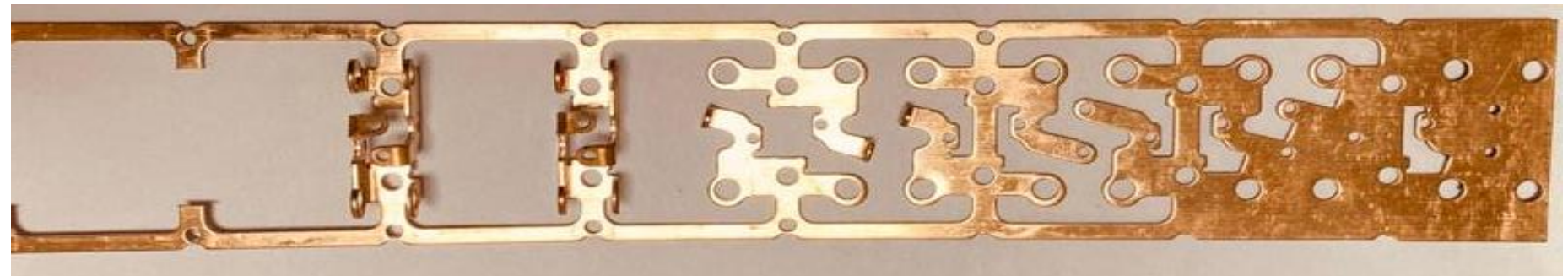
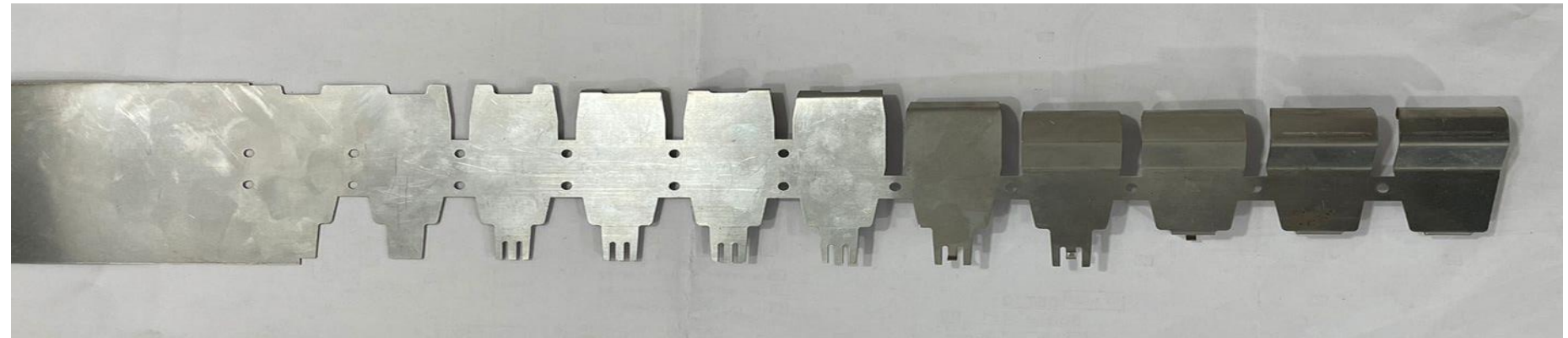
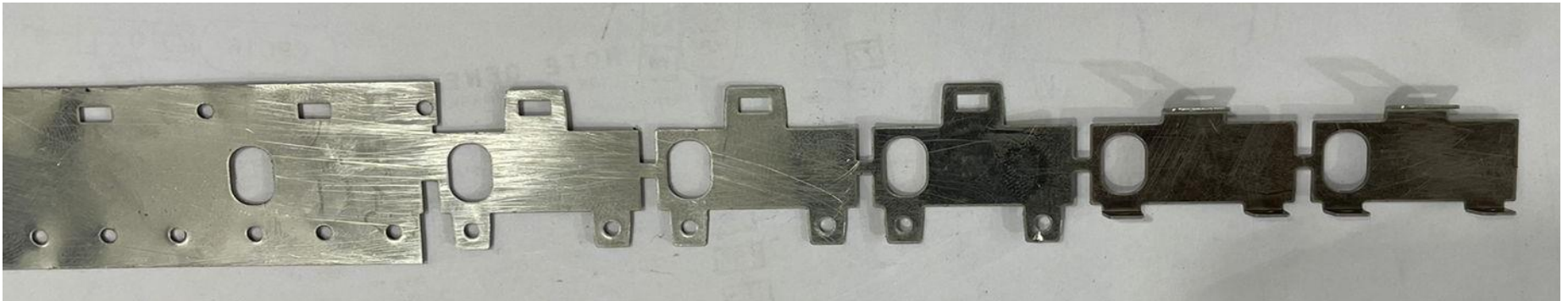
# Throttle Brackets







# Automotive parts



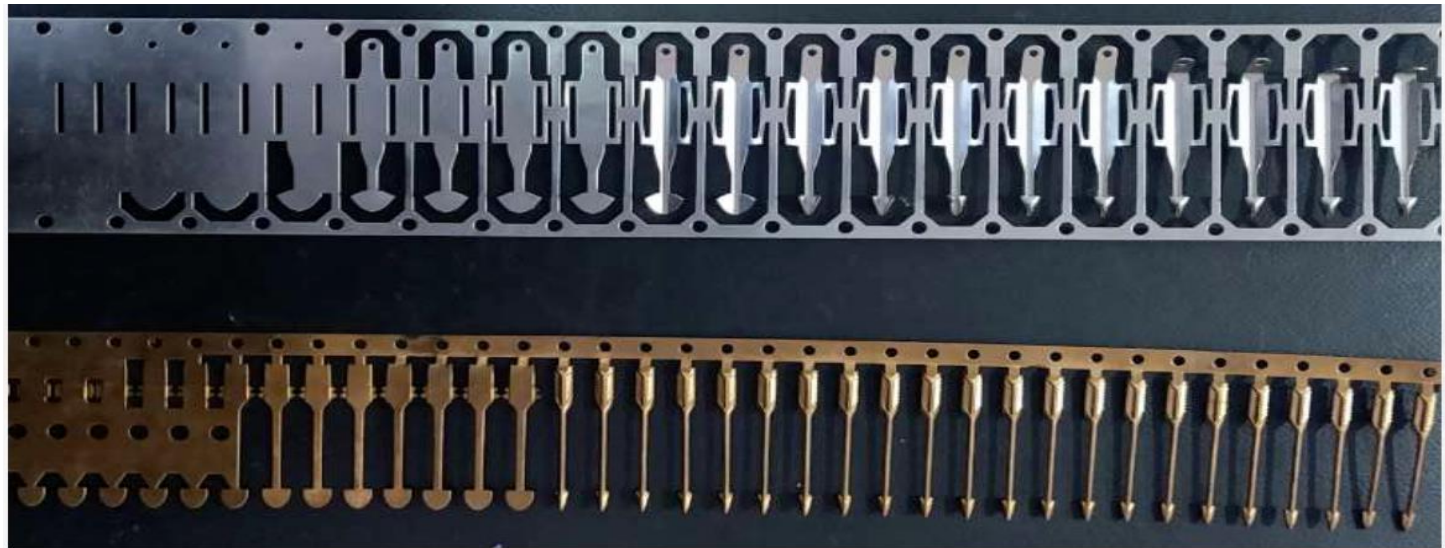


# Automotive parts Progressive tool layout

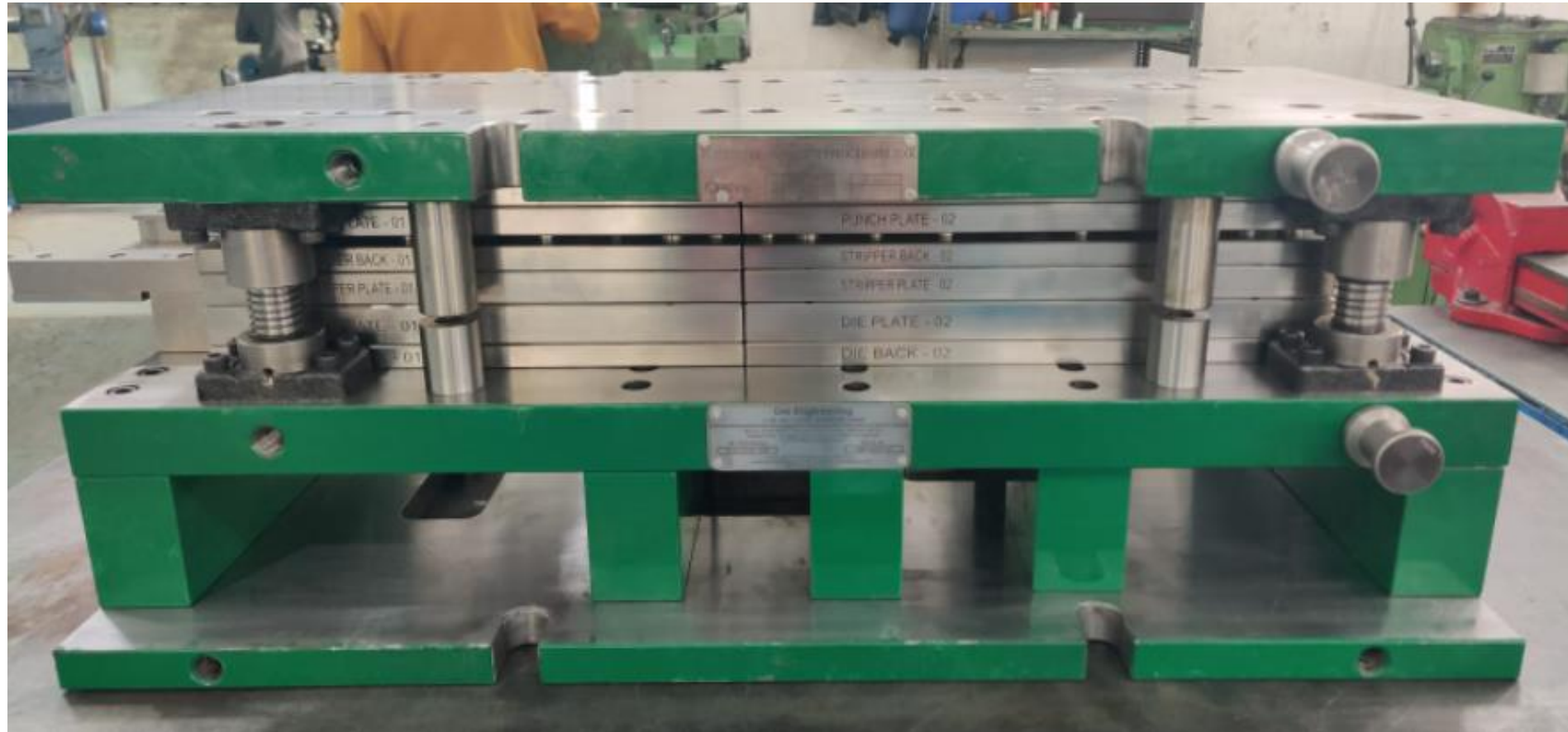




# Progressive tools Layout



# Progressive tools





# Progressive tools





Raw material Supplier (Plastic +Metal)



**BASF**

We create chemistry



***Polyplastics***

سابک  
sabik

Metal Supplier



# List of Production Machines- Injection Moulding

List of Machines & Utility							Format No :- F:MNT:01
							Ed. :-00
							Rev. no :-00
S.no	M/c / Item Name	Make	Specification	Qty	Type	Year of Manf.	Remarks
<b>Plastic Injection Molding</b>							
1	Injection Molding	Haitian	120 T IMM 01	1	Horizontal Servo	2019	Production Unit
2	Injection Molding	Haitian	90 T IMM 02	1	Horizontal Servo	2019	Production Unit
3	Injection Molding	Haitian	160 T IMM 03	1	Horizontal Servo	2019	Production Unit
4	Injection Molding	FCS	150 T IMM 04	1	Horizontal Servo	2021	Production Unit
5	Injection Molding	FCS	150 T IMM 05	1	Horizontal Servo	2021	Production Unit
6	Injection Molding	FCS	200 T IMM 06	1	Horizontal Servo	2021	Production Unit
7	Injection Molding	Swift	60 T IMM07	1	Rotary Vertical Servo	2021	Production Unit
8	Injection Molding	Jayshree	30T IMM08	1	Horizontal Servo	2015	Production Unit
9	Injection Molding	NISSEI	50T IMM09	1	Horizontal Servo	2015	Production Unit
10	Injection Molding	NISSEI	70T IMM10	1	Horizontal Servo	2015	Production Unit
11	Injection Molding	ELECTRONICA	75T IMM11	1	Horizontal Servo	2019	Production Unit
12	Injection Molding	VISHVAKARMA	150T IMM12	1	Horizontal Servo	2016	Production Unit
13	Injection Molding	FOMTEC	160T IMM13	1	Fixed Station Vertical	2017	Production Unit
14	Injection Molding	VISHVAKARMA	1.5T IMM14	1	Semi Automatic	2016	Production Unit

# List of Production Machines- Power Press Machine

## Power Press Machines

14	Power Press	Basant BI	10 Ton	6	Mechanical	2019	Production Unit
15	Power Press	Basant BI	20 Ton	5	Mechanical	2019	Production Unit
16	Power Press	Devson Presstech	30 T	2	Mechanical	2019	Production Unit
17	Power Press	Haryana Press	40 T	3	Pnumatic	2017	Production Unit
18	Power Press	Taiwan Make	63 T	1	Pnumatic	2016	Production Unit
19	Power Press	Basant BI	5T	3	Mechanical	2014	Production Unit



# List of Tool room Machines



## Tool Room Machines

20	CNC Wire Cut	Sodick	Travel :- 400X300X200 Max taper angle : 15	1	CNC	Tool Room Machine
21	CNC Wire Cut	Electronica	Travel :- 400X300X220 Max taper angle : 15	2	CNC	Tool Room Machine
22	VMC 03 Axis	Haas	Travel :- 742X500X500	1	CNC	Tool Room Machine
23	VMC 03 Axis	Cosmos	Travel :- 800X500X500	1	CNC	Tool Room Machine
24	ZNC EDM	Electronica	Travel :- 300X250X250 Work piece weight :- 500 kg max	1	ZNC	Tool Room Machine
25	ZNC EDM	JK Machine	Travel :- 600X400X250 Work piece weight :- 500 kg max	1	ZNC	Tool Room Machine
26	EDM Drill	JK Machine	Travel :- 250X350X300 Min Drill :- 0.3 MM	1	---	Tool Room Machine
27	Milling	Manford	1200X250	1	---	Tool Room Machine
28	Milling	Precicut	1200X250	2	---	Tool Room Machine
29	Milling	YIH Kuan	1200X250	1	---	Tool Room Machine
30	Milling	HMT	1200X250	1	---	Tool Room Machine
31	Lathe	Jyoti	500X170	1	---	Tool Room Machine
32	Surf. Grinder	Ramanna	600X300	2	---	Tool Room Machine
33	Surf. Grinder	Sai Machine	600X300	4	---	Tool Room Machine
34	Cyl. Grinder	Smithson	100X600X425	1	---	Tool Room Machine
36	Drilling	KPT LTD	13 MM	1	---	Tool Room Machine
37	MagneticDrill	KPT LTD	20 MM	1	---	Tool Room Machine
38	Servo Tapping		16mm	1		Tool Room Machine

# Award Ceremony

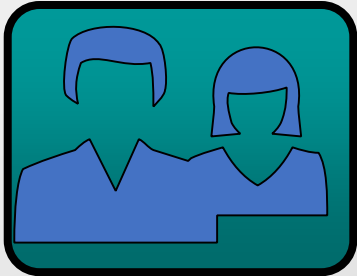








Om Engineering  
C-58  
Sector-57,Noida,UP  
Uttar Pradesh-201301



Anjani Pandey  
Email- [Anjani@omengineering.co.in](mailto:Anjani@omengineering.co.in)

Anil Panchal  
Email- [Anil@omengineering.co.in](mailto:Anil@omengineering.co.in)



Anjani Pandey (+91-9999174449)

Anil Panchal (+91-8826454187)