



# NORTHERN PLASTICS

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Experts in CNC Machining  
Precision Injection Tools and  
Moulded Components

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

Address: J-22, Sector - 63, Noida  
201301, (U.P) India.

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# COMPANY PROFILE



- Northern Plastics is a one-stop shop for **CNC Machining, Precision Injection Mold Design, Mold Manufacturing**, Prototyping, **Injection Molding**, Mass Production, Assembly, Testing & Validation.
- We are conveniently located in **Sec-63 Noida - in a 2100 sqm factory**. With over 20 years of experience, we have a robust foothold in the industry championing quality and performance.
- Our work experience and expertise includes working with variety of Plastics such as PP, PPCP, PC Plain & Filled, ABS, Nylon-6 & 66, Glass Filled & Mineral Filled Nylon, Delrin, HIPS, LLDPE, Acrylic etc.
- We use latest 3D software for designing, and the latest computerized equipment for Machining. Our molding machines are the industry leading servo driven PLC controlled, ranging from 60 to 425 tons of clamping force.

# Our Values

## Commitment

We do as we say, and we say as we do. This is the core value imbibed in every member of our organization.

## Service

We are here to serve our customer and the community, through our hard work and commitment.

## Respect & Teamwork

We respect the diversity each member brings to the table and along with that their unique strengths, coupled with Teamwork to propel us forward in our goals. We live these values in our everyday activities.

## Performance & Loyalty

We go the distance and then some ,that is our strength.

Loyalty is a two-way street, We're asking for it from you, then you're getting it from us.

# Quality Policy

We are committed to manufacture and timely supply quality. Precision Machined Components & Assemblies to our customers to win and sustain their satisfaction by complying international standards related to QMS in our Operations. We shall ensure continual improvement in the Quality Management System, through up gradation in infrastructure, systems, processes and competence of our team.

**ISO9001:2015**

ZERTIFIKAT ♦ CERTIFICATE ♦ CERTIFICADO ♦ CERTIFICATE



## Certificate of Registration

This is to certify that

### NORTHERN PLASTICS

REGISTERED ADDRESS:- PLOT NO. 54, BLOCK-E, SECTOR-8, NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH-201301, INDIA.

Has been assessed and found in as per ISO 9001:2015 compliance to the Requirement of standard details below.

### ISO 9001:2015

(QUALITY MANAGEMENT SYSTEM)

For The Following Scope Of Activities :-  
MANUFACTURING OF PLASTIC MOULDED PARTS & MOULDS.

This certificate is property of Unitas Certification Services & remains valid subject to Satisfactory surveillance Audit.

Certificate No:- 1283715  
Surveillance Date:- (18-FEB-2020)

Registration Date:- (19-MAR-2019)  
Certificate Expiry:- (18-MAR-2022)



*James Harris*

Chairman  
Unitas Certification Services



The certificate is valid as long the organization's meet unitas certification services's requirements.  
The status of the certificate may be checked at [www.unitascertificationservices.co.uk](http://www.unitascertificationservices.co.uk)

#### UNITAS CERTIFICATION SERVICES

Head Office : 54 Ennerdale Close, Lake, Estate, Blitchley, Milton Keynes, Buckinghamshir, MK2 3DQ-UK  
website : [www.unitascertificationservices.co.uk](http://www.unitascertificationservices.co.uk) / email: [info@unitascertificationservices.co.uk](mailto:info@unitascertificationservices.co.uk)

# SOLUTIONS



- 1. Complete Mould design** – We have in-house designers with over 50 years of combined industry experience at your disposal, to provide complete tool design, DFM, and Concept sharing. We use the latest 3D software to design our moulds and validate them.
- 2. Mould manufacturing** – We have a state-of-the-art in-house Toolroom, utilizing the latest machinery to carve out your next set of mould tools.
- 3. Plastic Injection Moulding** – We have an array of injection moulding machines, backed by expert production engineers and operators, ready to deliver the highest quality product-on time and right.
- 4. Rapid prototyping** – We have the skills and systems to deliver prototypes with precise tolerances and finishes, ready to be scaled to mass production.
- 5. CNC Machining** – Using state of the art CAD software, Northern Plastics can mill tool paths for even the most complex parts – freeing up mould-maker resources to do the finishing work.
- 6. Component validation** – We have over 93% success rate at T0 sample trial.

# OUR PRODUCTS

**1. Plastic Injection Tooling** : Un-screw moulding tools , Hot and cold runner tools, Core pulling tools, Insert moulding tools

**2. Mould Bases and Plates** : Standard bases and plates

**3. Sheet Metal Tooling**

**4. Child Parts of Plastic injection tools.**

**5. Pillar Bushes, Lifters, Ejector Pins, Core and Cavity Inserts.**

**6. Plastic Injection Moulded Components** – We serve industries such as; Water purifiers, MCCB, home appliances, automotive, switch gears etc. using engineering raw material such as Nylon-6/66 (Mineral/glass filled/unfilled), PC (filled and unfilled), ABS, POM, HIPS, PP (Homo-Polymer/CoPolymer), LLDP, HDPE etc.

**7. Custom Injection Moulded Components**, using tools our customers provide, producing goods our customers require, we just make sure it's done right!

# OFFERING CONTINUED

- **Complete Injection Mold** Manufacturing
- **Mold Base Manufacturing**
- **Core & Cavity** Manufacturing
- **Polishing and Etching services** – *Diamond Polish, sand blasting, EDM etching, wire-cut etching etc.*
- **3D printing and prototyping services** – *SLA, SLS, MJF, Vacuum Casting, Resin Casting (ABS like, PP like, PC like etc.)*
- **Child Parts of Injection Tool** – *Ejector Pins, Blade ejectors, Pillar bush sets, sprue nozzle.*

# LIST OF IN-HOUSE MACHINES

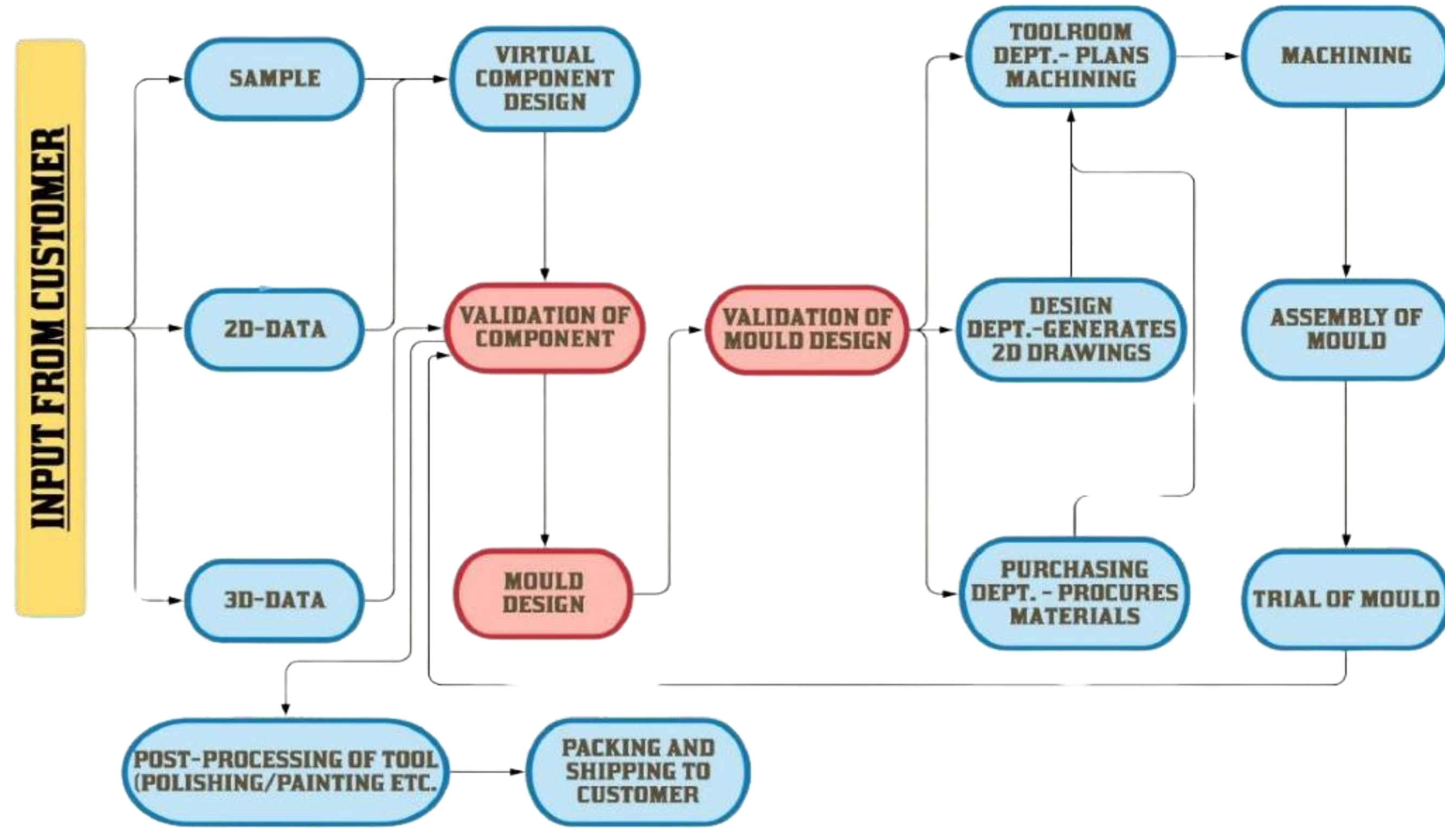
- 1.**HAAS** VERTICAL MACHINING CENTER – VF-2
- 2.**HAAS** VERTICAL MACHINING CENTER – VF-4
- 3.**ELECTRONICA** ELECTRIC DISCHARGE MACHINING (EDM) (2)
- 4.Surface Grinders(3)
- 5.Milling and Drilling Machine
- 6.Lathe Machine
- 7.HIM – 425 TONNES (1)
- 8.HIM - 200 TONNES (3)
- 9.HIM - 150 TONNES (3)
- 10.HIM - 120 TONNES (3)
- 11.HIM - 90 TONNES (1)
- 12.VIM - VERTICAL 60 GMS – SCREW TYPE (2)

\***HIM** – HORIZONTAL INJECTION MOULDING MACHINE  
\***VIM** – VERTICAL INJECTION MOULDING MACHINE

# MOULDING MACHINE SPECIFICATIONS

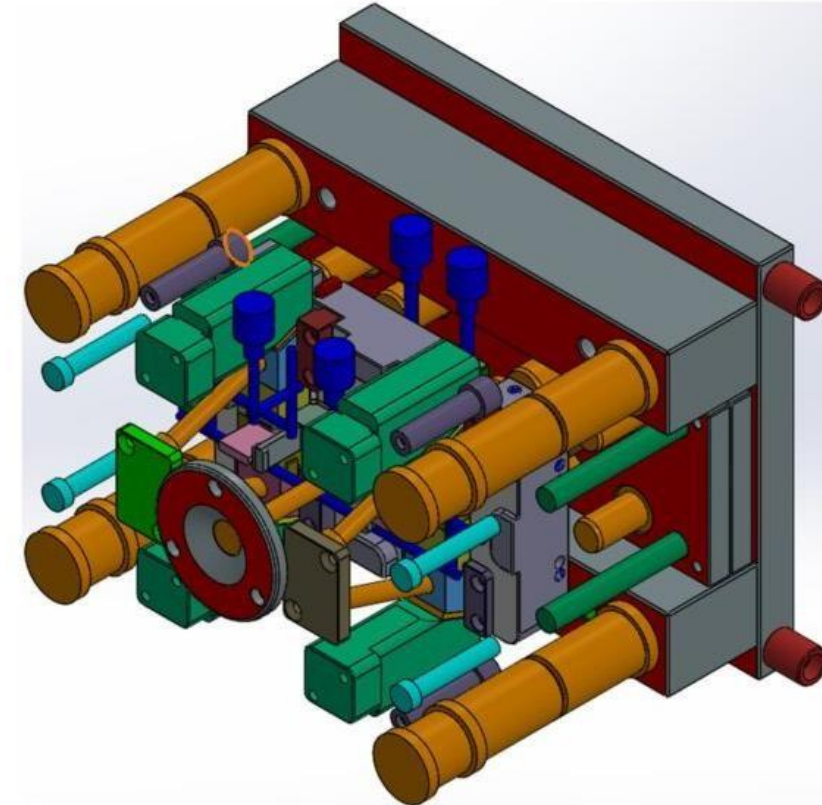
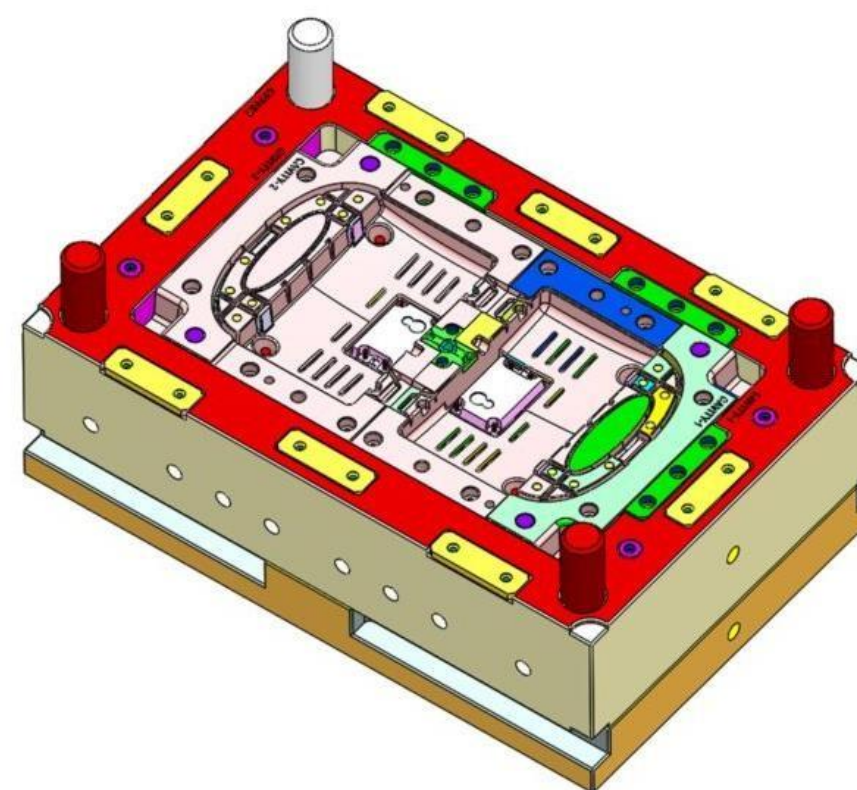
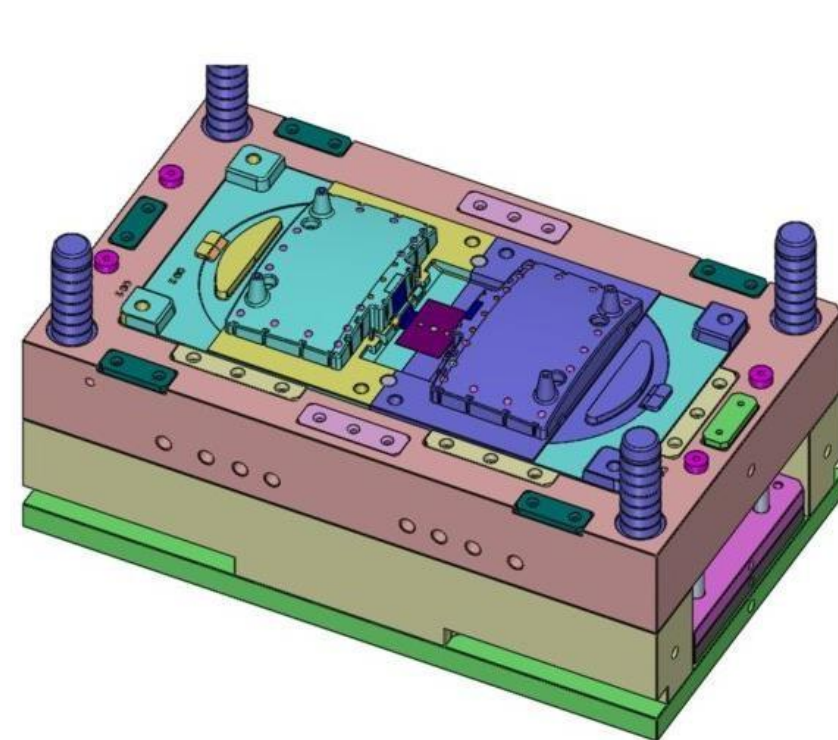
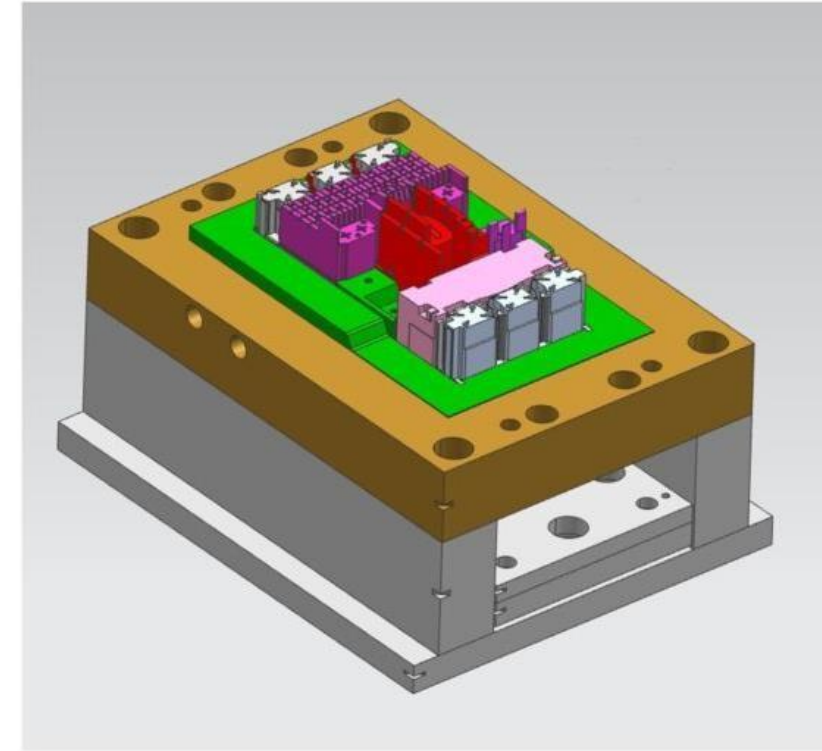
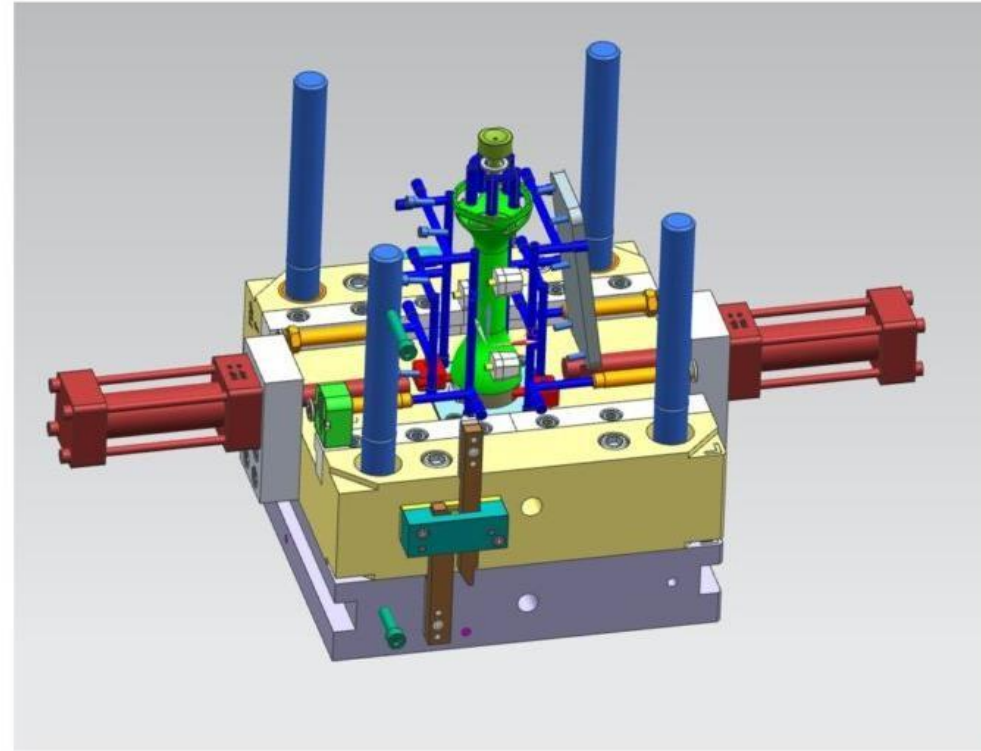
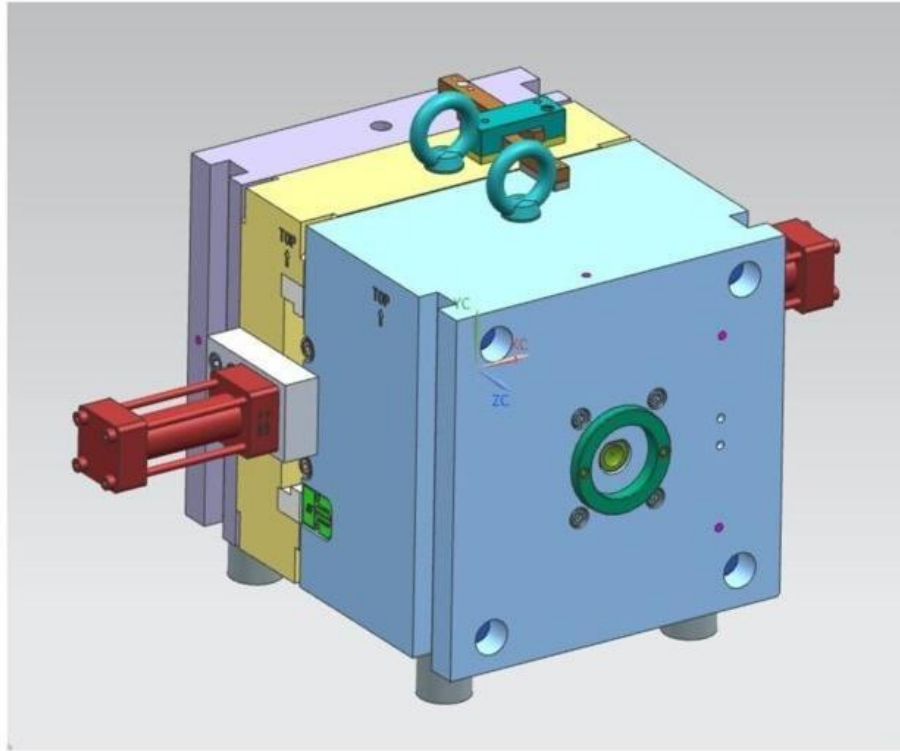
Sr No	M/C Tonnage	Tie Bar Size (mm)		Mould Thikness (mm)		Short Weight ( PS )	Make	Make Year
		W	H	Min	Max			
1	425 Ton	730	730	250	800	1560 Gram	EURO TECH.	2024
2	200 Ton	530	520	200	560	350 Gram	EURO TECH.	2018
3	200 Ton	510	470	160	480	325 Gram	Haitian	2015
4	185 Ton	490	470	180	590	325 Gram	EURO TECH.	2024
5	155 Ton	460	420	160	470	270 Gram	EURO TECH.	2024
6	140 Ton	460	420	160	450	190 Gram	EURO TECH.	2018
7	140 Ton	410	370	145	410	190 Gram	ASIA K2	2013
8	125 Ton	410	370	150	400	150 Gram	EURO TECH.	2024
9	120 Ton	410	340	140	380	150 Gram	Haitian	2013
10	120 Ton	460	420	160	450	150 Gram	Yizumi	2019
11	90 Ton	350	320	100	310	110 Gram	SPERRY SOUND	2010

# PROCESS FLOW OF TOOL PRODUCTION



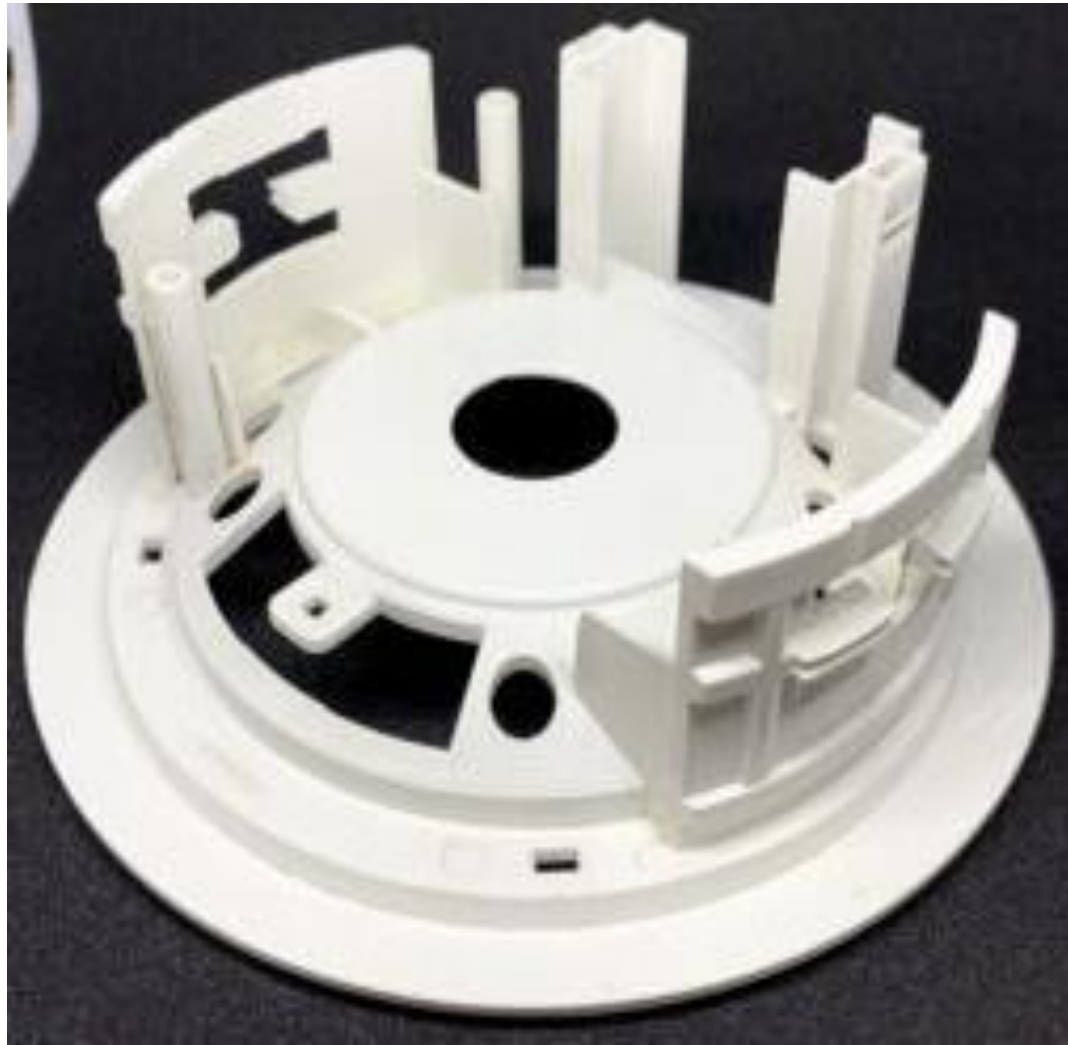
# OUR PRODUCTS

## Injection Tools



# OUR PRODUCTS

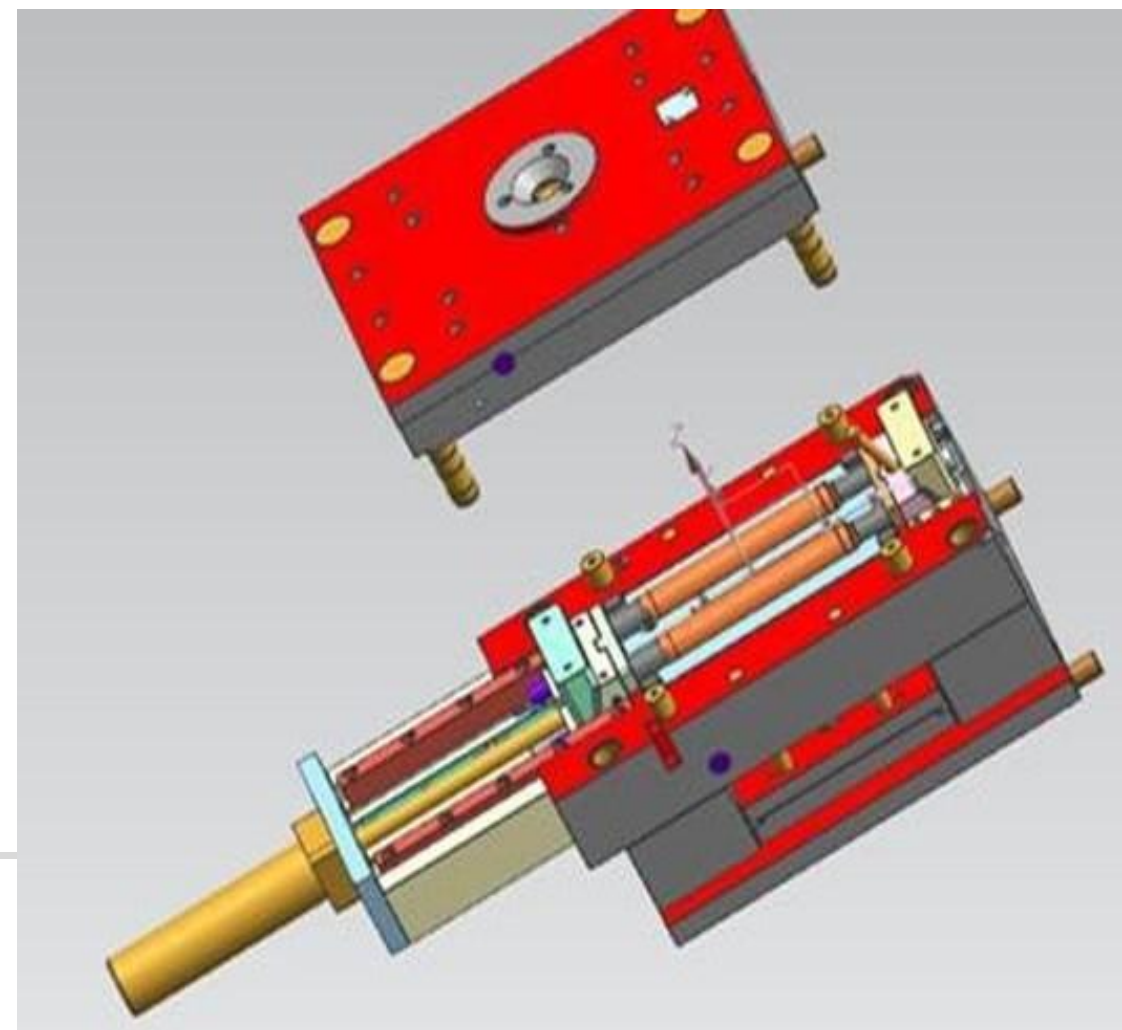
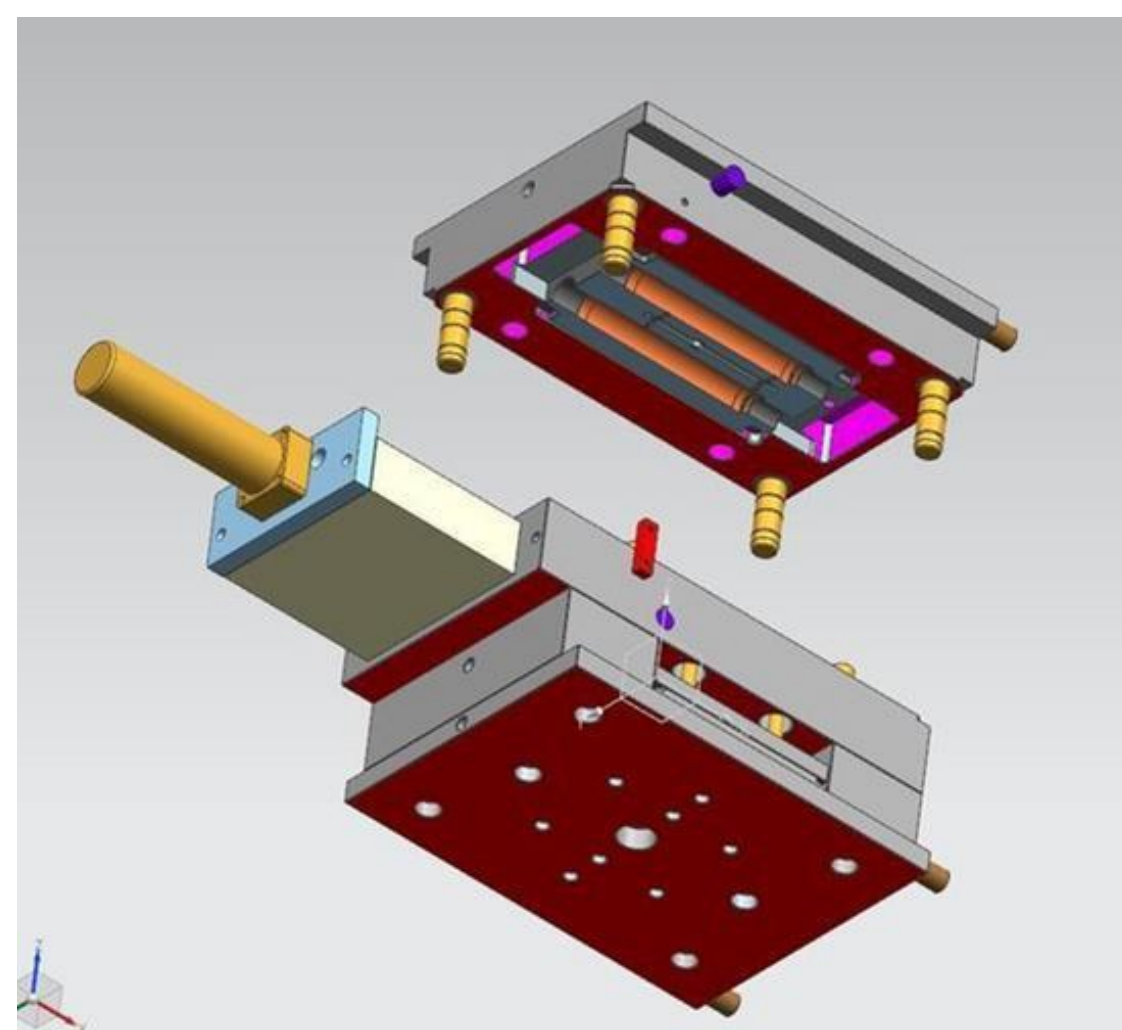
**Injection Tool of Ceiling Speaker  
Developed For HONEYWELL**



# OUR PRODUCTS

Core-pulling tool of  
mineral bowl.

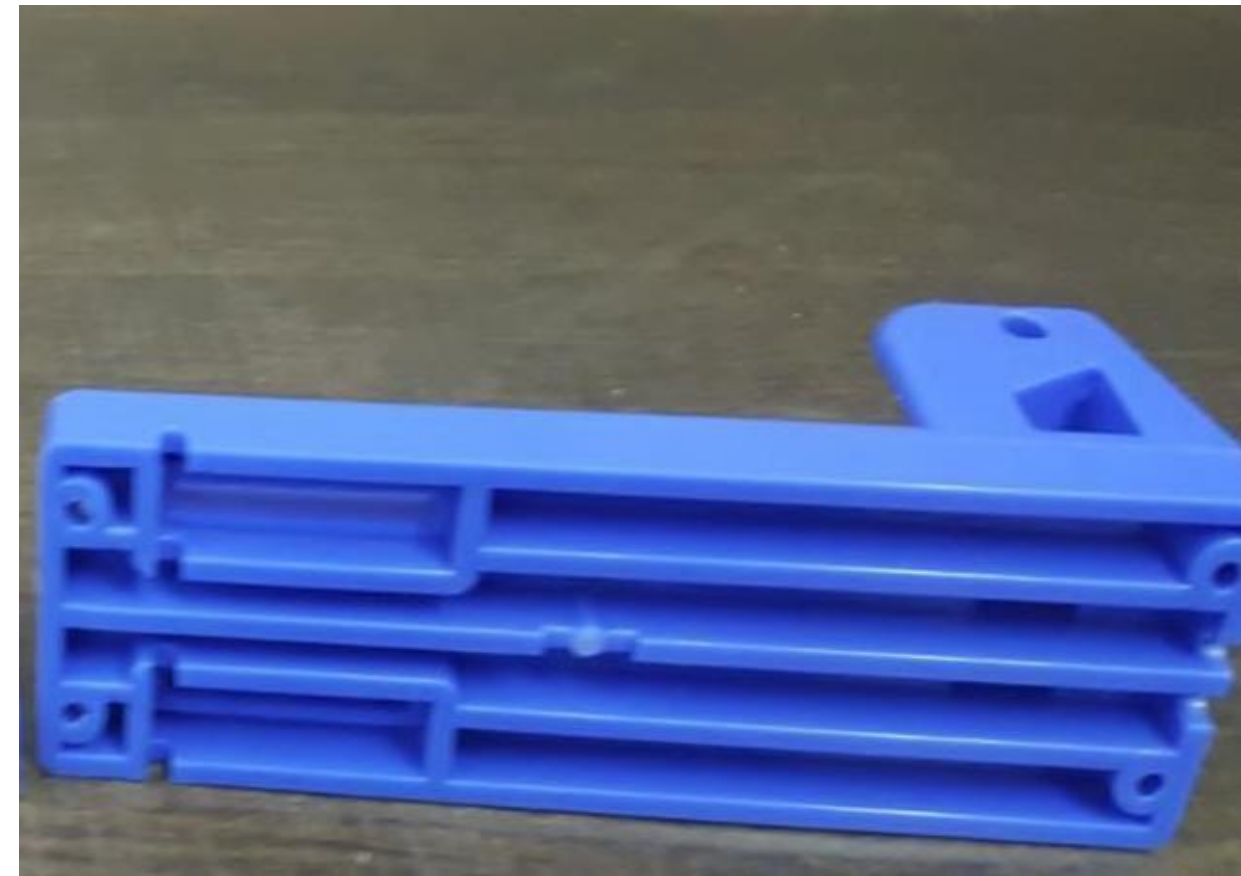
Developed for **Eureka  
Forbes**



# OUR PRODUCTS

Used at **Maruti-Suzuki**  
Harness assembly line

Developed for  
**Motherson Sumi**



# OUR PRODUCTS

**Multi-purpose Bowl used  
in main filter assembly of  
RO systems.**

**Developed for Eureka  
Forbes**





# OUR PRODUCTS

**Juicer Mixer Jar Closure  
Lid.**

**Developed for Havells**



# OUR PRODUCTS

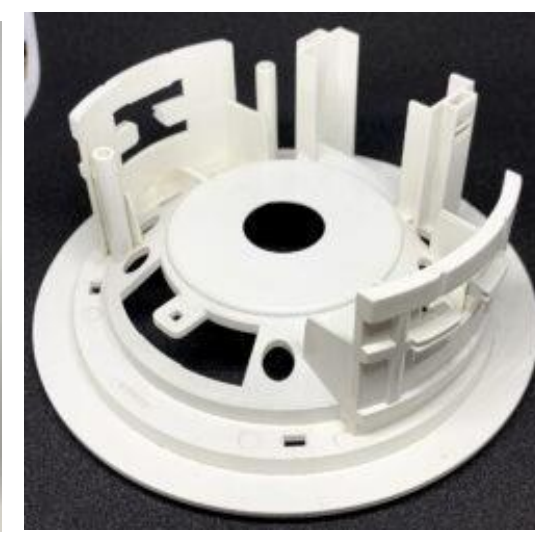
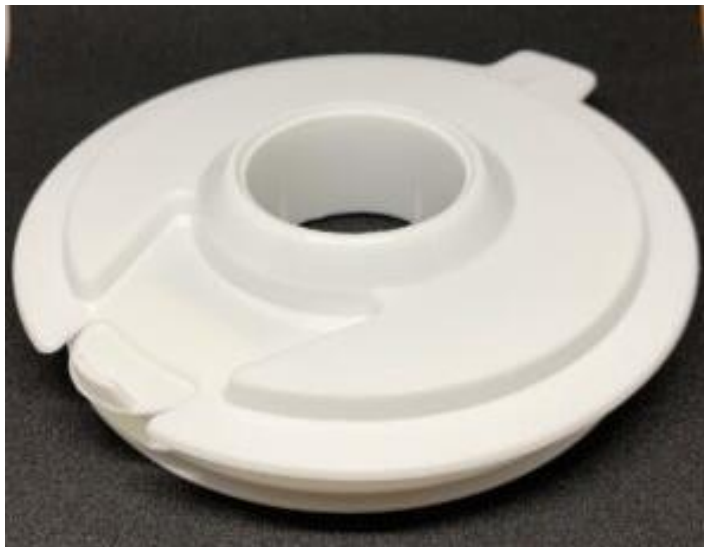
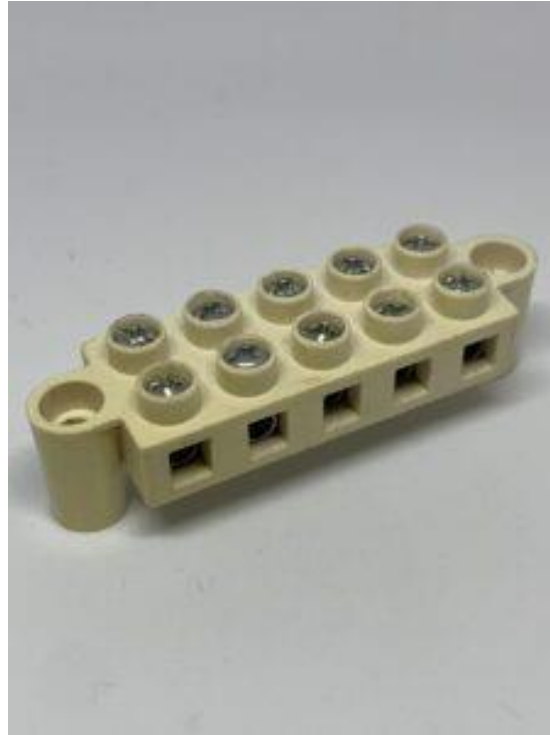
**Diverter valve entire brass  
body replaced with nylon  
w/ brass inserts patent  
pending**

**Developed for Eureka  
Forbes**



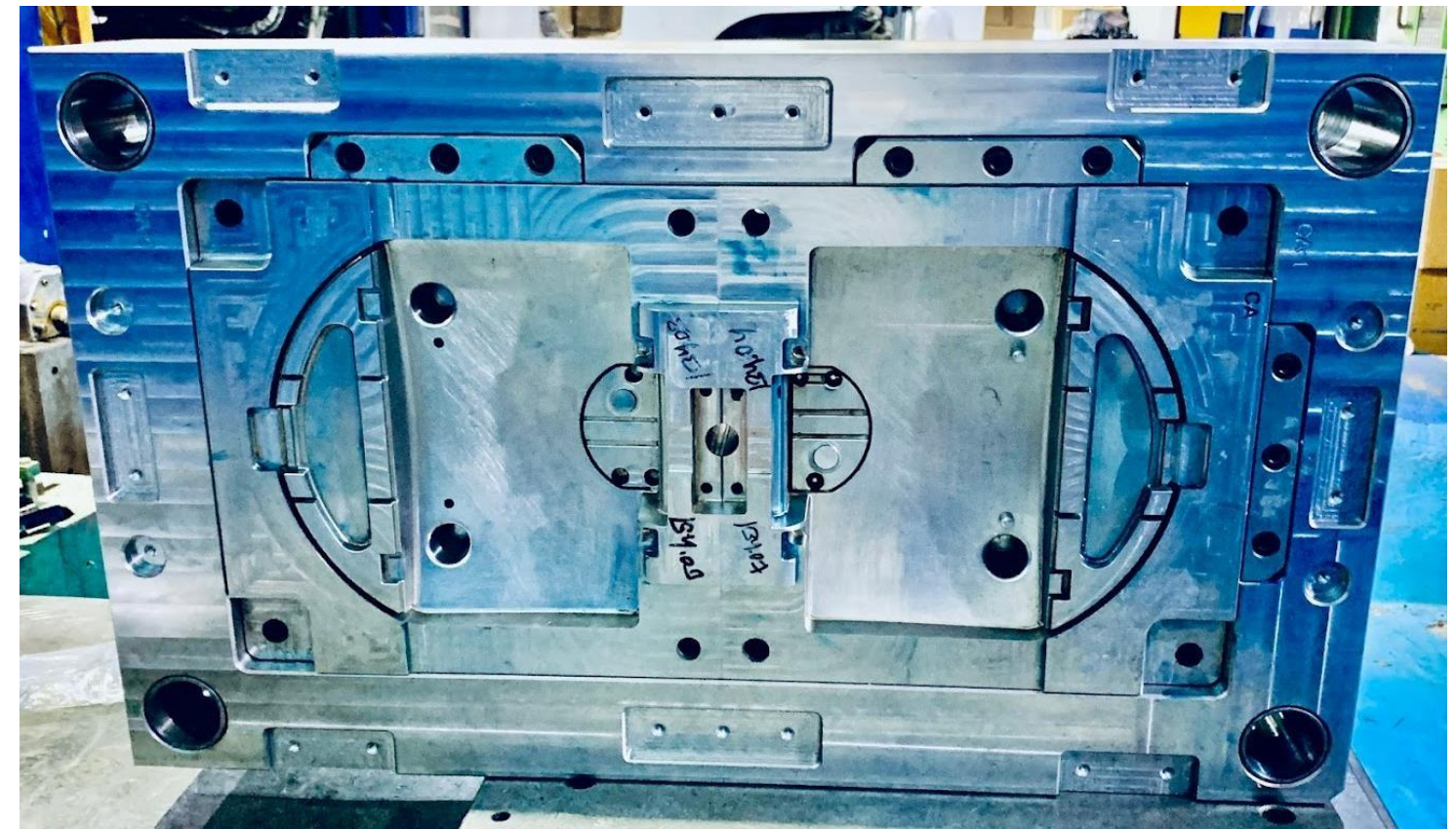
# OUR PRODUCTS

## Examples of Moulded Parts



# OUR PRODUCTS

## Injection Tool of Electric Toaster



# OUR CUSTOMERS



# Thank You!



Contact us to get more info



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