



# Kayra Global

*Technology working for you !*

# KAYRA GLOBAL

Kayra Global was established in the year 2016 catering to the needs of mold manufacturing and technical consultancy for various segments of industry.

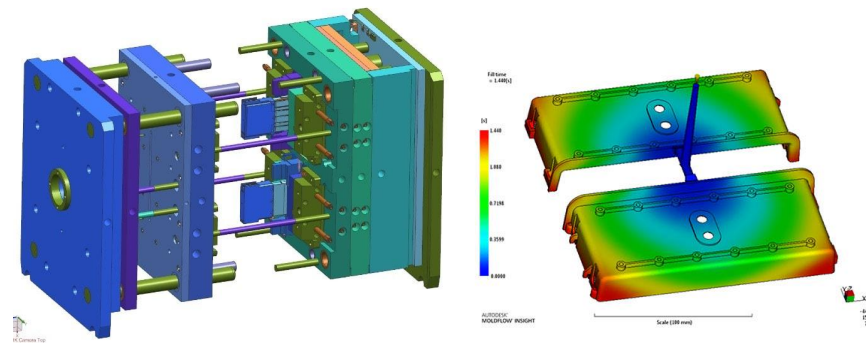
We are a reliable manufacturer, importer, exporter, and service provider of custom Plastic Injection Molds, Pressure Die Casting Molds, Sheet Metal Molds, Rubber Injection Molds and Jigs and fixtures.

Our continuous hunt for innovation & technology enhancement along with quality compliances make us a reliable source for Automotive Lighting developments with focus on optical design and high finish requirements.

Other than Automotive, we have experience of working with other industries such as FMCG, Electrical & Electronics, Medical, Toys and Consumer Goods. We are also actively working with the EV industry for development of various body parts.

Kayra Global provides solutions for Rapid Prototyping, Reverse Engineering, Product & Mold Design, Mold flow analysis, and Mold DFMEA.

With 27+ years of experience in the tooling industry working with the major OEMs, we also provide technical consultancy for Time as well as Cost-effective Project executions, Manufacturing set-up plans, Product/Mold design solutions and Hot-Runner systems.



We conduct Project Management by providing customers with weekly progress updates, Engineering Change Management, work based on pre-designed specification standards, regular inspections with reporting and on-time delivery with mold maturation at customer end.

We have worked for many Automotive OEMs including Honda, Eicher, International Tractors Ltd., Mahindra & Mahindra, Maruti Suzuki, Piaggio, Royal Enfield through their TIER-1 suppliers.

We have experience of working with all kinds of Engineering Plastics including ABS, ABS-PC, PC, NYLON, PMMA, ULTEM as well as other commodity plastics like PP, HDPE, LDPE, etc.

## Vision

We are committed to revolutionize the tooling industry by serving various sectors with complete Product Development solutions and play our part in making India “Atmanirbhar (self-dependent).”

## Mission

We aspire to become the leading manufacturer and consultant for Plastic Injection Molds at an international level through our expertise, technology and technical know-how as well as contribute in making India a global manufacturing hub.

- Weekly progress updates.
- Work based on pre-designed standards.
- Engineering Change Management.
- Tool Design Checklist.

**Project Management**

To identify failures and draw analysis for effective improvement.

**Mold DFMEA**



**Steel Selection**

On the basis of -

- Required Mould Life.
- Desired Aesthetics of final part.

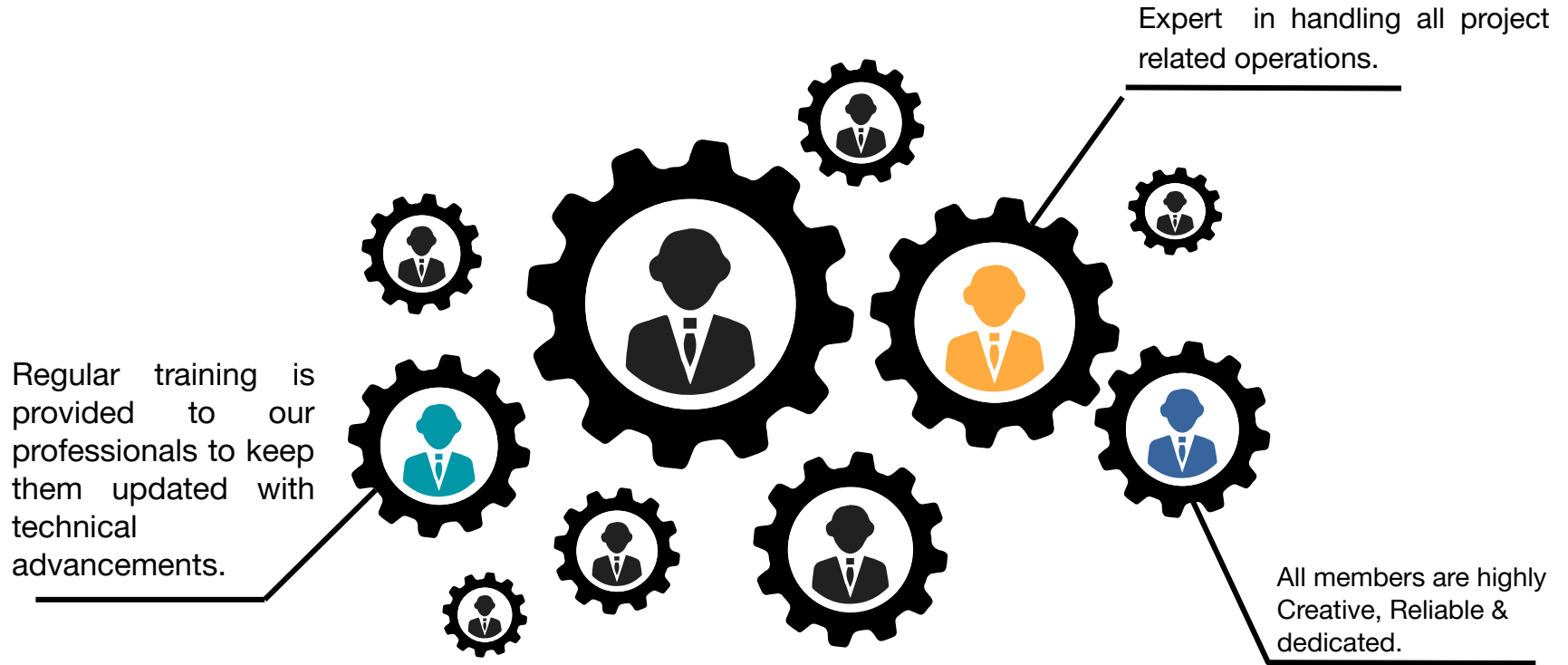
**Mold Maturation**

We ensure our customer satisfaction by ensuring that the mold works appropriately.

Detailed analysis is conducted & customer feedback is valued.

# OUR TEAM

*Always Striving for Excellence*



# SERVICES

## PLASTIC INJECTION MOLDS

We specialize in plastic injection moulds manufacturing as we have served major OEMs and with 27+ years of experience in this field, we excel in development Plastic Injection Moulds with the best technology available in the market at the moment.

We can develop molds ranging from 50T to 550T capacity.

With our quality-centric and lean management approach, we offer complete Product Development solution starting from Product Design, Mold design to Mold development and Plastic Injection molding production.

## PRESSURE DIE CASTING MOLDS

Pressure Die Casting is a manufacturing process in which molten metal is forced into the mould cavity under high pressure. Kayra Global provides Die Casting solutions for a wide variety of applications and complex parts and cost-efficiency.

We ensure:-

- Stability & Dimensional accuracy of complex parts.
- Easy creation of complex shapes.
- Strength & durability of die casting products.
- Wide-variety of finishing options.

## SHEET METAL DIES

We have extensive experience in design and development of Sheet Metal Dies.

Types of Sheet Metal Dies:

- Progressive Dies
- Transfer Dies
- Combination Dies
- Combined Dies
- Multiple Dies

With our trusted and experienced vendor base, we provide solution for sheet metal parts production as well.

# SERVICES

## RAPID PROTOTYPING

Rapid Prototyping is a group of techniques used to quickly fabricate a scale model of a physical part or assembly using three-dimensional CAD data.

The physical form of the part or assembly is usually done using Additive Manufacturing/3D Printing which has methods such as:

- FDM (Fused Deposition Modelling).
- SLA (Stereolithography).
- SLS (Selective Laser Sintering), etc.

Kayra Global provides with all specific prototyping solutions to captivate customer confidence & satisfaction.

Tell us about your ideas & transform them into reality !

## JIGS & FIXTURES MANUFACTURING

These are the components designed so as to ensure that multiple number of components can be assembled or machined identically.

Jigs & Fixtures ensure high accuracy of machinability and allow interchangeability.

Kayra Global offers manufacturing solutions for Jigs & Fixtures of parts or components according to their design.

- Checking gauges
- Inspection fixtures
- Assembly fixtures

## CONSULTANCY

With 27+ years of working experience in the tooling industry and acquired expertise, we are here to guide you at each step, from concept to creation.

We assist our customers with DFM & DFMEA as well as Mold Design & Mold Flow Analysis.

Our well-trained team could help you in guiding through:-

- Design Optimization
- Avoiding potential errors
- Choosing the right material
- Assist in providing complete information with resources from Buying appropriate machine and mold making till start of production.

# PROJECT MANAGEMENT & PROCESS FLOW

1. Product Description / RFQ.

2. Cost Analysis

3. Design and part production description.

4. Rapid Prototyping (if needed).

5. Product Design & development.

12. Delivery to customer.

6. Defining Tooling technical specifications.

11. Final inspection & quality check.

10. Regular inspections & progress reports.

9. Adjustments & tooling tolerances check.

8. Production initiated.

7. Choosing the right process.





# KEY BUSINESS INITIATIVES

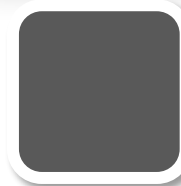
## CUT-TIME TO MARKET

Focus on reduction in tooling development and production cycle time.



## BOOST PRODUCT INNOVATION

Focus on path breaking next generation products/solutions. Disruptive innovation & sustainability.



## ENHANCE PRODUCT INTEGRITY

Focus on quality, reliability, safety, regulatory compliance & durability.



## GLOBAL BUSINESS CHALLENGES & COLLABORATIONS

Focus on ability to work with diverse work-group spread across countries. Participation in new collaborations & knowledge sharing.



# KEY TECHNOLOGY & QUALITY MANAGEMENT

## PROCESS OPTIMIZATION & CONTROL

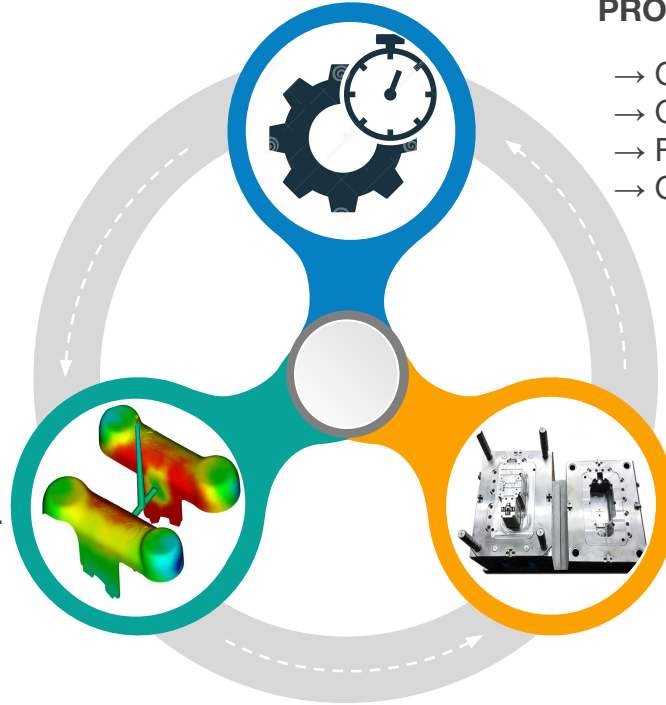
- Optimization of Process Parameter.
- Quality Management.
- Regular inspections.
- On-time delivery.

## PART OPTIMIZATION

- Optimization of Part design.
- Optimization of Gate Location.
- Selection of material.

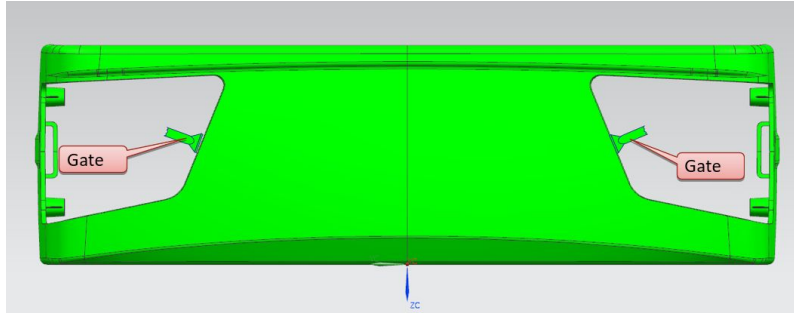
## MOULD OPTIMIZATION

- Mold Flow Analysis.
- Cooling Analysis.
- Process Simulation.

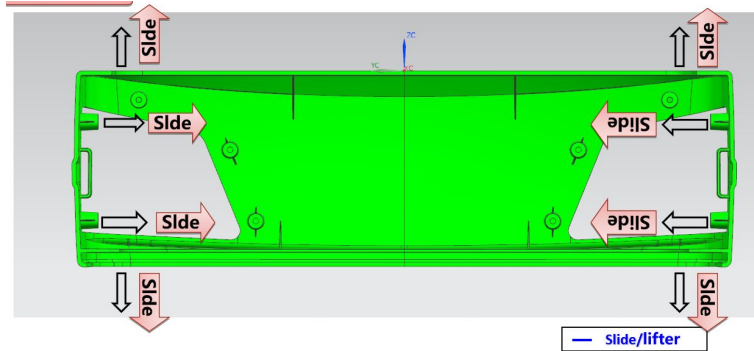


# MOULD DFMEA (Design Failure Mode & Effect Analysis)

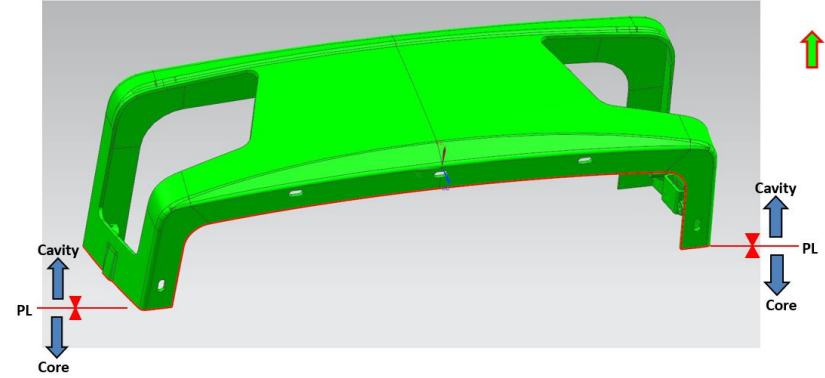
Detailed Analysis is conducted and all sets of parts and systems are pre-defined.



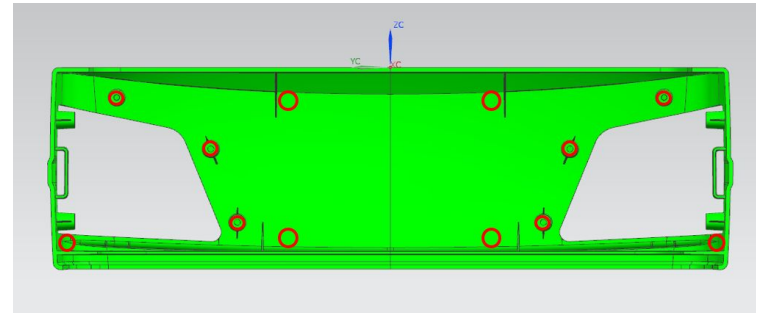
DEFINING LOCATION OF GATES  
(INJECTION SYSTEM)



SLIDER, LIFTER & INSERTS



DEFINING CORE & CAVITY



EJECTION SYSTEM

# WORKSHOP FACILITY & MACHINES

## VMC (Cosmos CVM 800)

800x500 mm

1

## EDM (Electronica ZNC)

600x400x300 mm

1

## Surface Grinder (Ramana)

9 x 18 inches

1

## Drilling Machine (Machless)

760 x 920 mm

1

## Milling Machine (Armstrong)

10 x 50" Round Head

1

## Plastic Injection Moulding (YIZUMI)

120 Tonnes

1

*# Measuring Instruments are standard.*

*# Strong & established vendor base for Raw Material acquisition & other accessories.*

*# Strict Quality Control & Safety policies are followed.*



## MACHINERY (OUTSOURCE)

**VMC (Cosmos CVM 850)**

1000 x 550 x 550 mm

1

**VMC (BFW)**

1000 x 550 x 550 mm

1

**EDM (Ecoline)**

800 x 500 x 500 mm

1

**VMC**

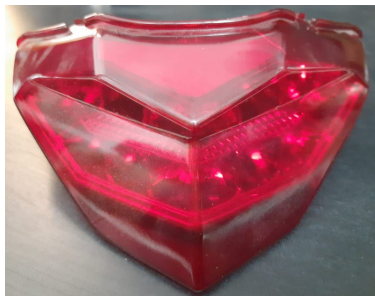
1500 x 800 x 800

1

**Wirecut Machine**

3

# SOME OF OUR RECENT DEVELOPMENTS

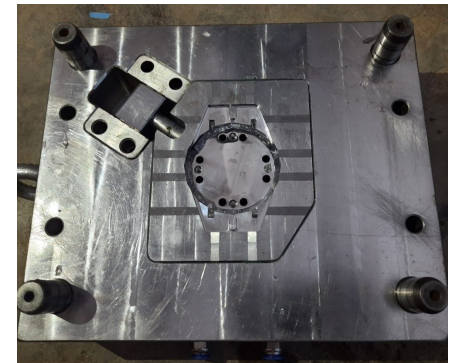
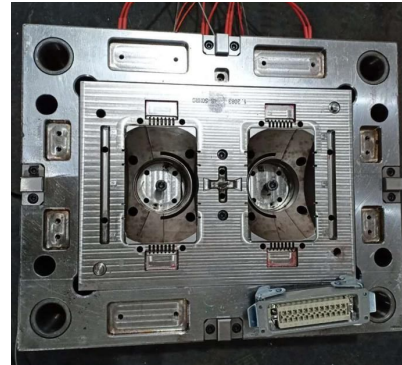
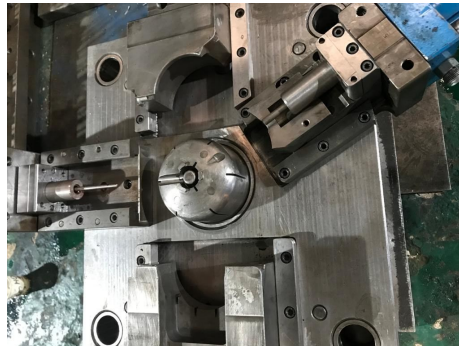
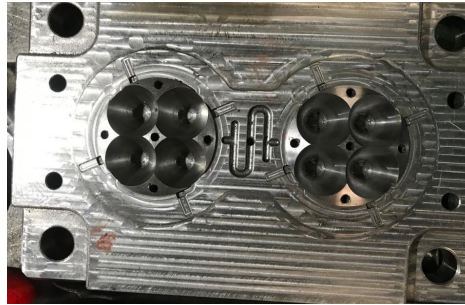




# SOME OF OUR RECENT PRODUCT DEVELOPMENTS



# SOME AUTOMOTIVE MOLDS DEVELOPED





# OUR SUPPLIERS

## Steel



**Buderus** Edelstahl



**HITACHI**  
Inspire the Next



**ASSAB**

## Hot Runner System



**YUDO**  
BUILDING  
TRUST  
WORLDWIDE



**INGlass**



**Mold Masters**  
performance delivered



**Synventive**  
molding solutions

## Standard Parts



**MISUMI**



**HASCO**  
*Enabling with System.*



**DME**

# SOME OF OUR CLIENTS



# REACH US



1

Plot No. 1, Mohammadpur Industrial Area, Khandsa Road,  
Sector-36, Gurugram, Haryana-122001 (near JBM gate No. 2)

2



[www.kayraglobal.in](http://www.kayraglobal.in)



[info@kayraglobal.in](mailto:info@kayraglobal.in)



+91 9873422148, 9899702252

3



<https://www.facebook.com/Kayra-Global-104314334917342>



[https://instagram.com/kayra\\_global?igshid=1c9o32nje3uor](https://instagram.com/kayra_global?igshid=1c9o32nje3uor)



<https://www.linkedin.com/company/35875401/>