



**Enterprise Tooling &
Consulting Redefined**

Visasa Engineering Solutions LLP

Date: 7th July 2026

| Why VISASA Engineering Solution. LLP

Founded with a vision to strengthen India's mould making ecosystem, the company is committed to empowering mould makers to deliver world-class tooling solutions that enable Tier 1 suppliers and OEMs to achieve excellence in manufacturing.



Visasa At A Glance



Dual Industrial Role Actively serves as both an authoritative engineering consultancy and hands-on manufacturing partner.



Focus on Quality & Efficiency Empowers tool owners by maximizing quality, minimizing system costs, and securing predictable tooling performance.



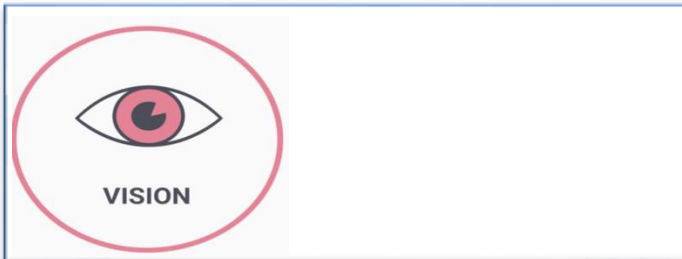
Extensive Operating Footprint Equipped with a high-tech corporate tool room in Pune, supported by a scalable nationwide channel partner network.



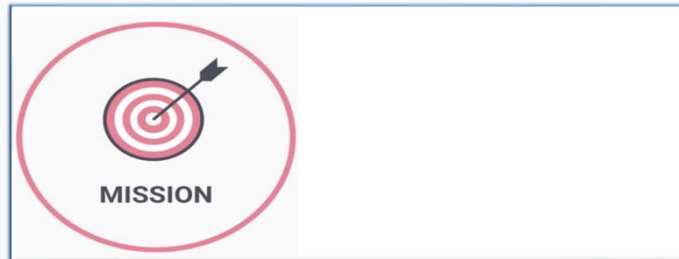
Strategic & Visionary Leadership Guided by strong investor backing and over 28 years of industry-honed precision execution experience.



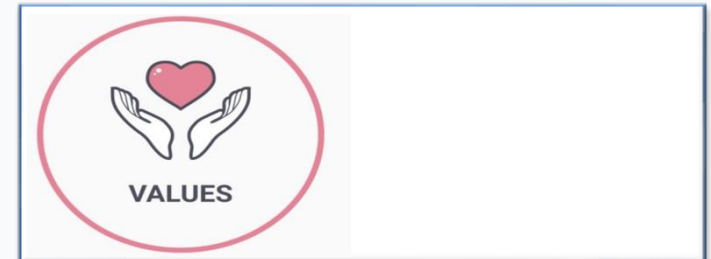
Our Vision, Mission and Values



To be India's most trusted partner
in mould and press tool
engineering, enabling a globally
competitive manufacturing
ecosystem through
innovation, precision, and
world-class tooling solutions.



To strengthen India's mould-
making ecosystem by delivering
world-class engineering,
consultancy, and precision
tooling solutions that empower
manufacturing excellence.



- Integrity
- Quality
- Reliability
- Team work
- Trust



| Strategic Leadership



Seasoned Investor Board

Backed by top engineering industrialists with more than 20 years of manufacturing and asset management experience.



Managing Director's Expertise

Led by a precision-sourcing pioneer with 28+ years of dedicated experience in advanced tooling operations.



National Technological Mission

Empowering and elevating India's domestic manufacturing tooling ecosystem through high-integrity engineering.



| Experience. Partnership. Precision



A Post Graduate from IIT Roorkee and a Tool Engineering graduate from CTTC Bhubaneswar. With over two decades of rich experience in tooling and NPD he has held key positions with leading organizations such as Varroc, Tata Motors, Tata Auto components, Johnson Controls, and IAC International. Throughout his career, he has successfully delivered more than 2,500 production tools to the Indian manufacturing industry, earning a reputation for technical excellence, innovation, quality, and reliability.

Further strengthening this vision, two accomplished industry partners have joined the venture. One brings extensive expertise and a strong presence in the tool steel industry, ensuring access to high-quality materials and technical support. The other contributes a state-of-the-art tool room and a world-class moulding facility, offering comprehensive capabilities from tool design and manufacturing to mould validation and production support.

Together, the founding team combines decades of experience, deep technical knowledge, and advanced manufacturing capabilities with a shared mission—to elevate the standards of the Indian mould making industry. By supporting mould makers in delivering world-class tooling solutions, the company aims to help Tier 1 suppliers and OEMs build globally competitive products while contributing to the growth of India's manufacturing excellence.



| Experience. Partnership. Precision



A visionary leader committed to serving the Indian tooling and mold-making industry, he began his entrepreneurial journey in 2006 after earning a B.E. in Computer science from the University of Pune. Since then, he has consistently demonstrated resilience, innovation, and an unwavering commitment to excellence.

Under his leadership, the tool room has achieved sustained year-on-year growth, while maximizing the productivity and efficiency of its molding operations to drive both top-line revenue and healthy bottom-line profitability.

With a long-term vision for the industry, he aspires to build a world-class CEO-driven ecosystem that empowers and supports the Indian tooling sector. He actively collaborates with renowned industry leaders and experts who have made significant contributions to the growth of India's tooling industry.

His association with VISASA Engineering Solutions LLP is built on a shared DNA of innovation, collaboration, excellence, and a collective commitment to strengthening the future of the Indian tooling industry.



| Experience. Partnership. Precision



He graduated from SP Jain School of Management in 2014 and immediately joined his family's business as a Graduate Engineer Trainee (GET). Through his commitment, leadership, and understanding of the industry, he steadily progressed within the organization and was appointed Director in 2018.

The company is dedicated to supplying high-quality, reliable specialty steel to the Indian tooling industry. Over the years, it has established a strong presence across major tooling hubs throughout India, ensuring seamless service and technical support to its customers.

In collaboration with NLMK Verona Steel, part of NLMK Europe, the company offers world-class steel solutions backed by global expertise. NLMK Europe is committed to delivering premium-quality steel products and innovative solutions to meet the diverse requirements of customers across Europe and international markets. With manufacturing facilities in Belgium, France, Italy, and Denmark, NLMK Europe produces a comprehensive range of steel products, including hot-rolled, cold-rolled, coated steels, and steel plates.

At VISASA, he serves as an Investor and independent director, providing strategic direction and guiding the company's growth to establish a commendable position within the Indian tooling industry. His focus on long-term value creation, operational excellence, and customer-centric innovation has been instrumental in strengthening the company's market presence.



| Three Verticals of VISASA



Product feasibility and Tool Design

Our design team has extensive expertise in product design, ensuring that every design is optimized for mold manufacturing without compromising the product's aesthetics. We also provide prototype parts, as required by the customer, to support product development and validation.



Hybrid Tool Making & Moulding

In-house facilities and expertise with flexible outsourcing to deliver the right tool, on time, with uncompromised quality. Our tools speak for themselves. We prefer to have mould plus moulding business with value addition.



Design & Development Manpower

VISASA offers trained manpower for design and feasibility projects on a contract basis. Companies can engage our skilled professionals whenever required, providing a flexible and efficient workforce solution.



Rigorous Engineering Paradigm



Expert Tool Development

Specialized mastery in intricate mold and press tool development with decades of successful, field-proven engineering competence.



Data-Driven Design

Seamlessly integrates thorough pre-feasibility studies, analytical DFMEA, and thermal mold flow simulations before steel cutting.



Deep Collaboration

Establishing close technical partnerships with customers at inception stages to effectively preempt tooling life-cycle risks.



| Feasibility Evaluation



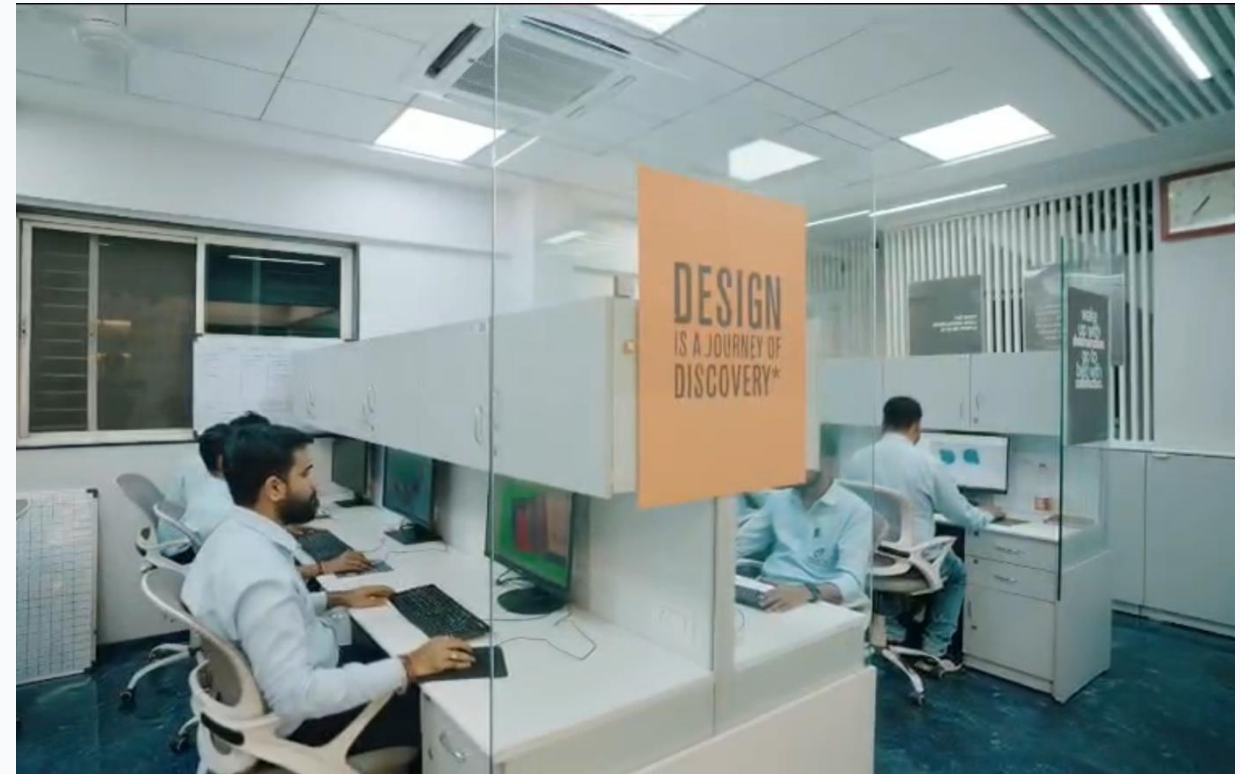
Technical & Design Audit Comprehensive, high-precision review of part model drafts, wall consistency, radii, and materials compatibility.



Process & Capacity Matching Validating the mold parameters against selected machinery capabilities, cycle-times, and optimal mold steel grades.



Proactive Cost Protection Identifying critical failure modes at the CAD level to eliminate expensive, time-consuming structural tool reworks.



In House Design Center



In House Mold Flow Simulation



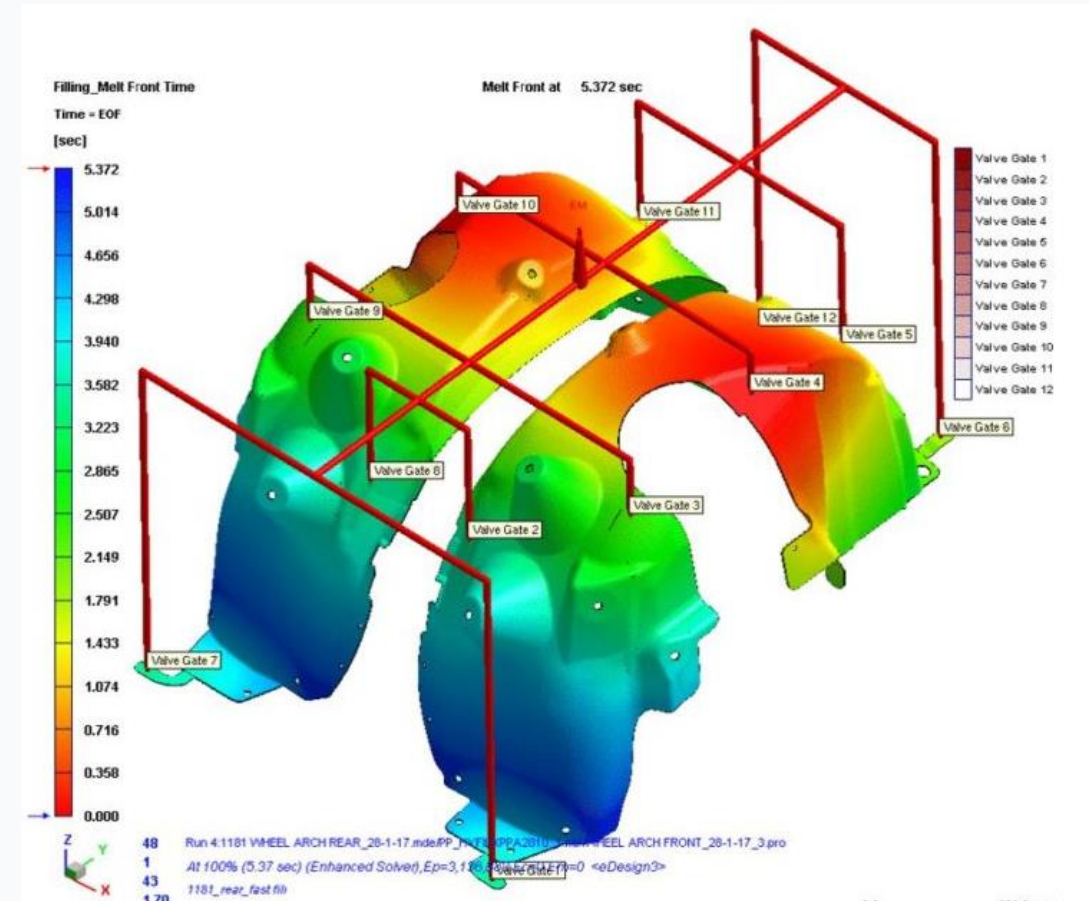
Advanced Fluid Simulations Visualizing polymer velocity fronts, shear stresses, and volumetric shrinkage before building physical tool cavities.



Early Defect Prevention Effectively locating and resolving air traps, prominent knit lines, flow hesitation, and injection warpage.



Optimized Gate Placement Defining optimal hot-runner gates to secure uniform filling and minimize internal mechanical stress.



| Integrated DFMEA Philosophy



Early Failure Mitigation Systematic isolation of cooling inefficiencies, weld lines, draft issues, and structural fatigue elements prior to physical assembly.



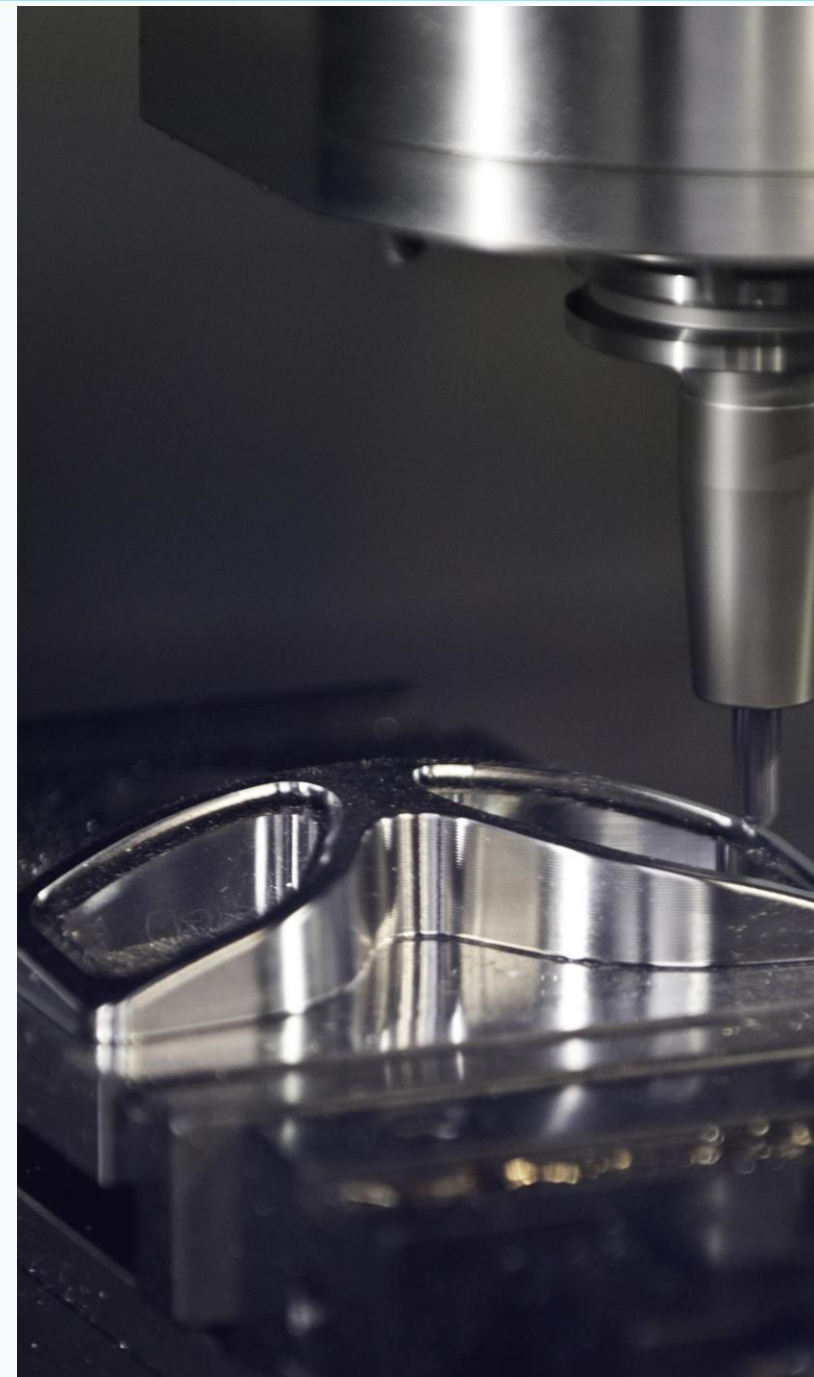
Prioritized Engineering Solutions Quantifying Failure Modes through Risk Priority Numbers (RPN) to target core corrective engineering actions in high-risk zones first.



Verification of Mitigations Tracking corrective revisions closely at the CAD modeling phase to ensure complete compliance with international ISO quality standards.



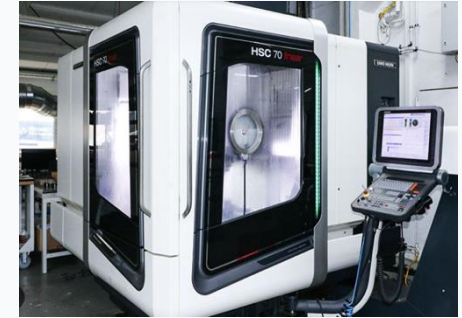
| In House Tool Shop



State of the arts inhouse tooling facility



High Precision DMG Mori 20000 RPM Visasa Engineering uses high Precision machines that help to generate best quality surfaces and enable us to make moulds like lease & reflectors



Double head EDM HSPK Using premium EDM machines reduces the time to and ensures accuracy



W-EDM MAKINO and CHMER Comprehensive support including up to five teardown, deep-cleaning, and full-precision inspection services.



State of the arts inhouse tooling facility



Conventional Machine in house Supports in-house and outsourcing planning, reduces cycle time, and improves quality control.



In House Spotting Press 150 T Die Spotting facility available in house that helps to close the tool at the earliest and ensures tool quality

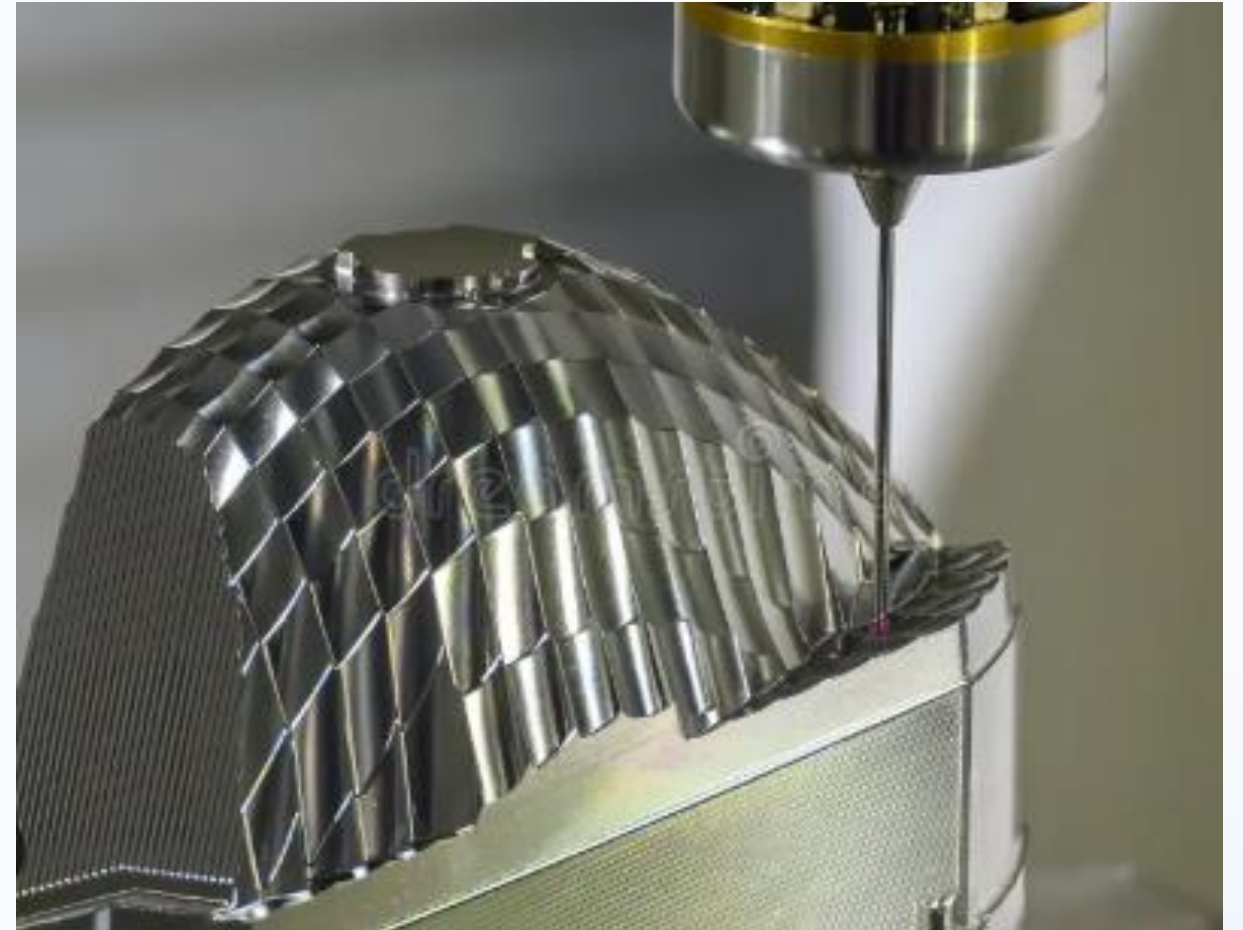


In house 5 axis HAAS UM750 - 12000 RPM : Rotary bed. 500mm we are among the few to have this machine in house



Guaranteed Tool Lifespan

-  **Guaranteed Operational Lifespan** Every tool comes certified for an operating lifespan of 5,00,000 shots + an additional 10% safety cushion.
-  **Premium Materials Policy** Using exclusively verified premium tool steels (H13, 1.2344) and global standard hot runner systems.
-  **Complimentary Lifecycle Support** Comprehensive support including up to five teardown, deep-cleaning, and full-precision inspection services.



| Delivering Tangible Value



Accelerated Timelines

Minimized tool trials and design optimization phases lead to ultra-fast production handovers and rapid market-entry schedules.



Predictable Output

Tools are engineered for persistent operational consistency, ensuring highly stable production with minimal unplanned down-times.



Disciplined Quality

Data-centric development models provide verifiable tool accountability throughout its entire technical operational lifespan.



Financial Protection Model

0%

FINANCIAL RISK

Our Performance-First Sourcing



Zero Risk Sourcing eliminates advance payments, significantly reducing financial exposure for customers.



Performance-Based Terms

Commercial terms are linked exclusively to verified performance milestones to ensure accountability.



Trust and Collaboration

The model fosters transparency and strengthens partnerships through aligned expectations and trust.



Quality and Timeliness

Ensures quality, timeliness, and technical precision to enhance value in tooling engagements.



Technology we support and work on



Technologies

Core Molding Process	Advantage / Technical Spec	Application Sector
Low-Pressure Injection	Prevents fragile component crushing, ideal for fabric overlays	Automotive Interior & Trim
Core-Back Technology	Facilitates structural wall section thickness adjustments in-cycle	Premium Structural Parts
Heat & Cold Molding	Eliminates visible mold knit lines for mirror-gloss finishes	High-End Consumer Electronics
Multi-Component (2K/3K)	Multi-resin integration without secondary hand assemblies	Complex Industrial & Medical Tech



| In House Molding Shop



In House Molding Facility-Plant-2

Sr. No	MACHINE NAME	CAPACITY (TON)	SHOT WEIGHT (Gms)	TIE BAR DISTANCE mm	MOLD HEIGHT mm (Min - Max)
1	AURBURG	50	45	270 x 270	225 - 275
2	SANDRETTO	50	50	305 x 305	100 -300
3	SM	50	50	300 x 300	100 -300
4	SM	50	50	300 x 300	100 -300
5	HAITAIN	100	139	360 x 360	150 - 360
6	HAITIAN	100	139	360 x 360	150 - 360
7	SM	100	150	355 x 300	130 -320
8	FEROMATIC	110	119	435 x 435	150 - 480
9	SM	120	120	400 x 400	100 - 300
10	SM	180	305	455 x 425	160 - 450
11	TOSHIBA	180	402	500 x 500	200 - 550
12	ARBURG	180	297	470 x 470	250 - 550
13	WINDSOR	200	448	570 x 510	200 - 600
14	SM	260	459	560 x 560	195 - 600
15	SM	320	715	580 x 580	195 - 600
16	HAITAIN	360	1127	710 x 710	250 - 710
17	TOSHIBA	650	2000	960 x 960	450 -950

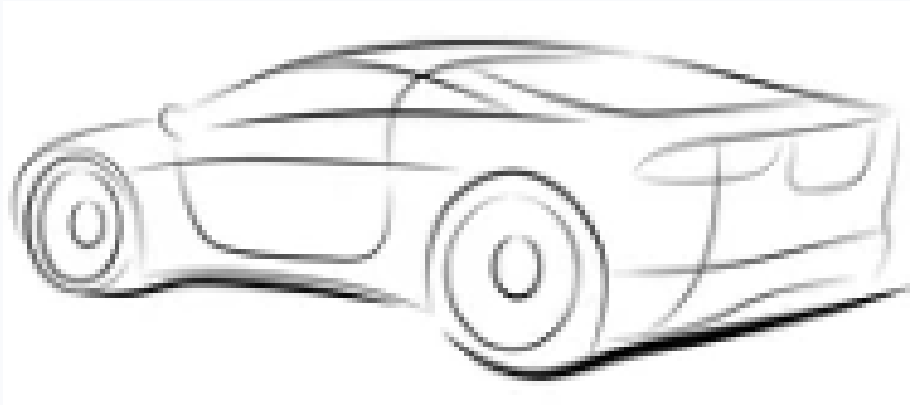


In House Molding Facility-Plant-3

Sr. No	MACHINE NAME	CAPACITY (TON)	SHOT WEIGHT (Gms)	TIE BAR DISTANCE mm	MOLD HEIGHT mm (Min - Max)
18	Hyundai	120	160	410 x 410	145 - 450
19	Hyundai	200	325	510 x 510	185 - 550
20	Hyundai	300	900	670 x 670	220 - 600
21	Milacron	200	374	570 x 570	200 - 810
22	Milacron	300	646	660 x 660	200- 750
23	Milacron	350	1025	720 x 720	300 - 800
24	Hyundai	380	1320	730 x 730	245 - 720
25	Hyundai	450	1300	760 x 760	265 - 900
26	FERROMATIK	450	1530	830 x 830	400 - 750
27	YIZUMI	560	1886	850 x 850	330 - 850
28	WINDSOR	850	3358	1390 x 1390	500 -1200
29	WINDSOR	850	3358	1390 x 1390	500 -1200
30	WINDSOR	1300	5909	1665 x 1315	700 -1400



| Industries we serve

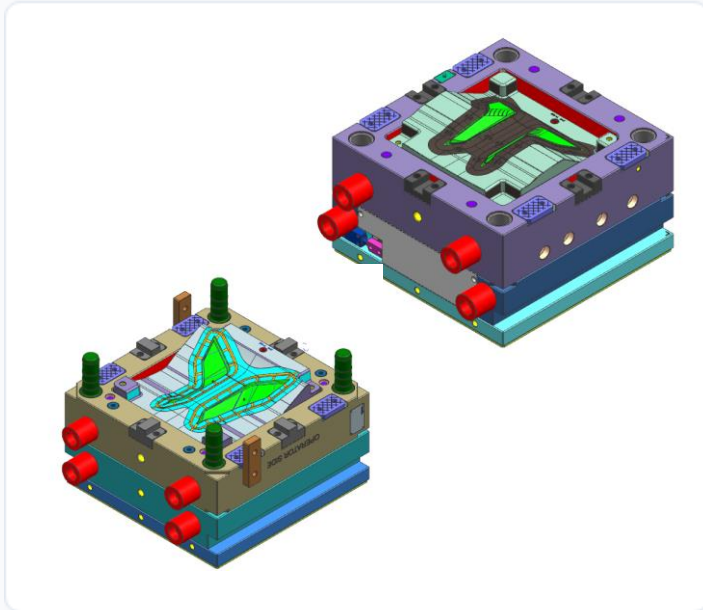


We make tools up to 1800T

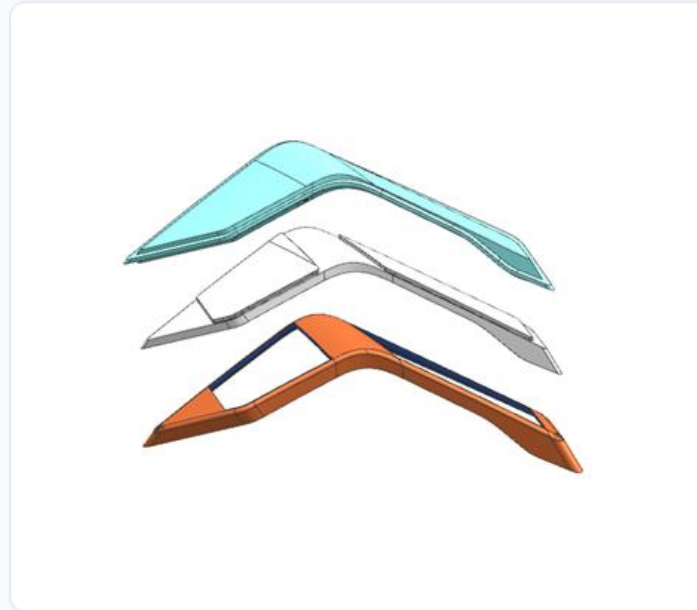


Tools Made at our tool shops

PART NAME : RDM_1027 - KT 26 BLK MILKY LENS



PART SIZE : 96 X 238 X 66
MOULD SIZE : 496 X 496 X 543



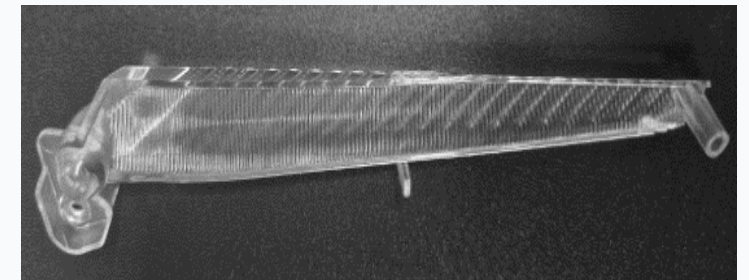
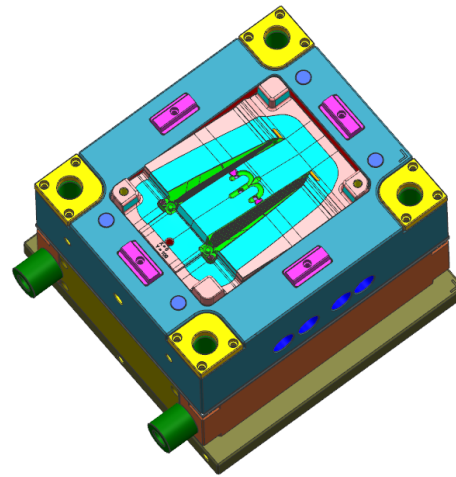
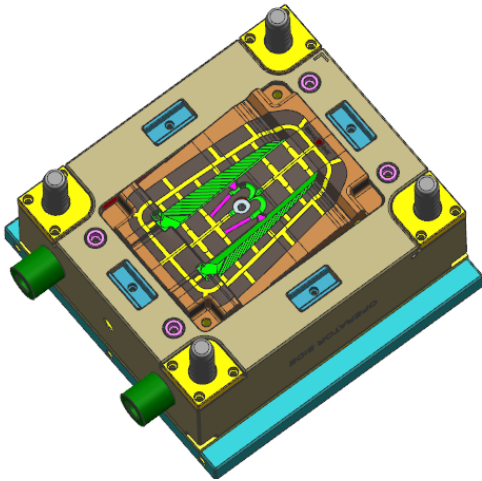
Over molding with three 3 different mold
PC, PMMA, ABS



1st molding
2nd insert molding
3rd insert molding



Tools Made at our tool shops

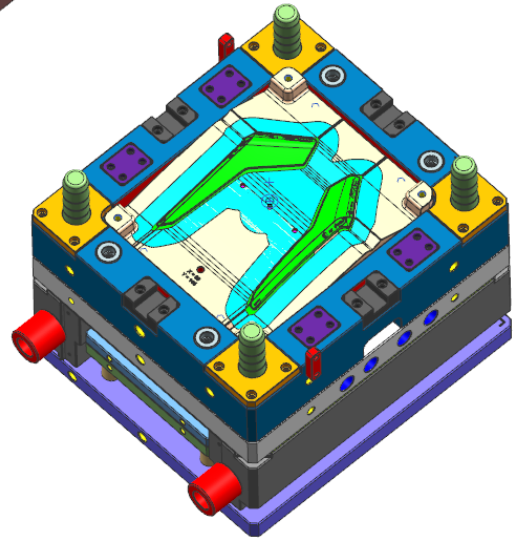
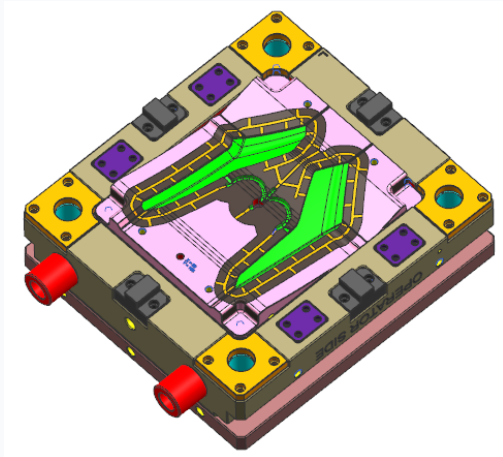


PART NAME : RDM 863_KT-28 BLINKER_COLLIMETER
PART SIZE : 161 X 24 X 62
MOULD SIZE : 346 X 346 X 363

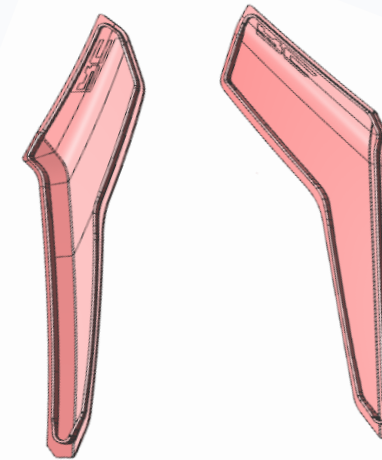
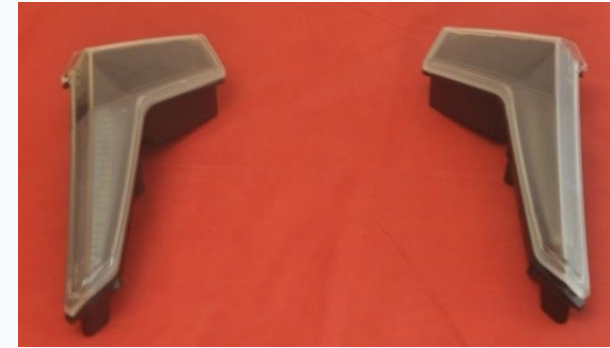
PMMA Transparent molding with 12 mm thickness



Tools Made at our tool shops



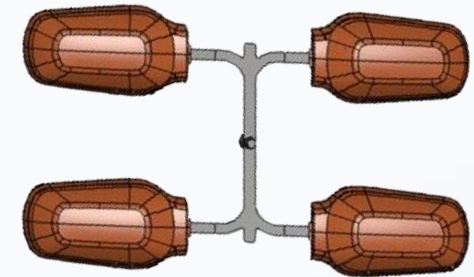
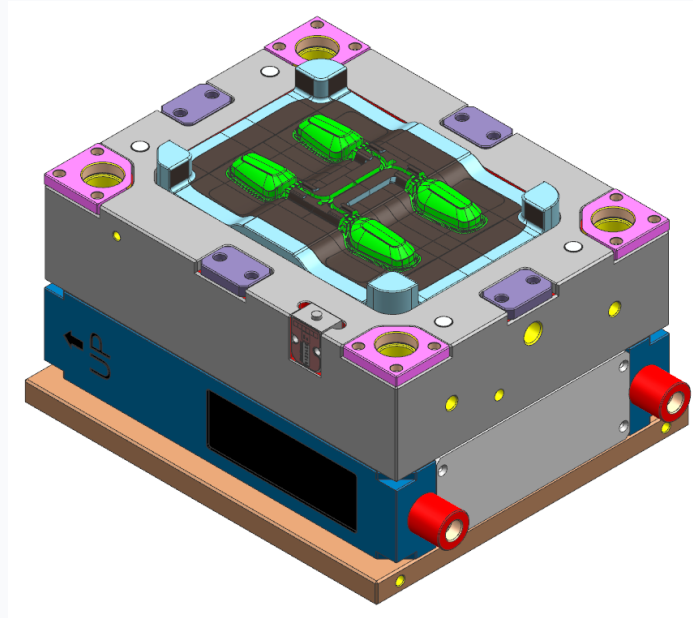
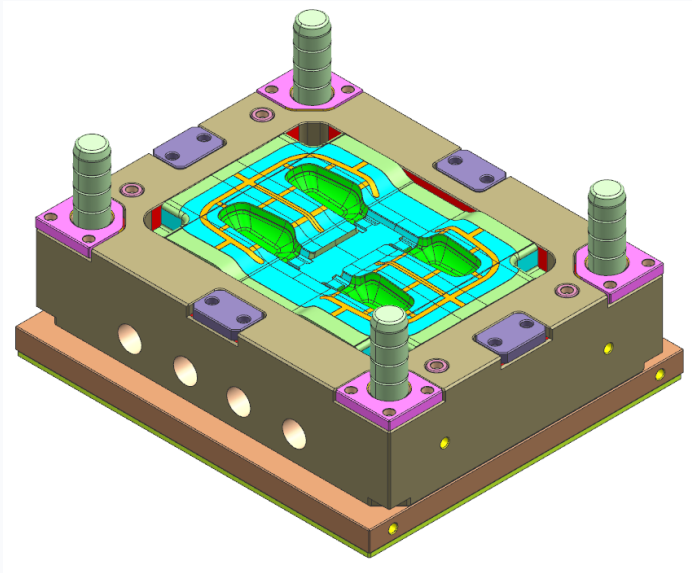
PART NAME : RDM 861 KT-28 BLINKER LENS
PART SIZE : 293 X 92 X 54
MOULD SIZE : 546 X 496 X 507



Clear Lens of PC material



Tools Made at our tool shops

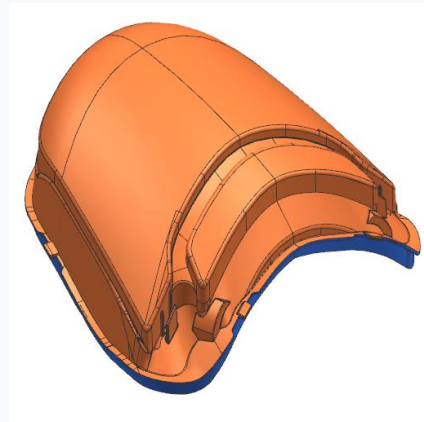
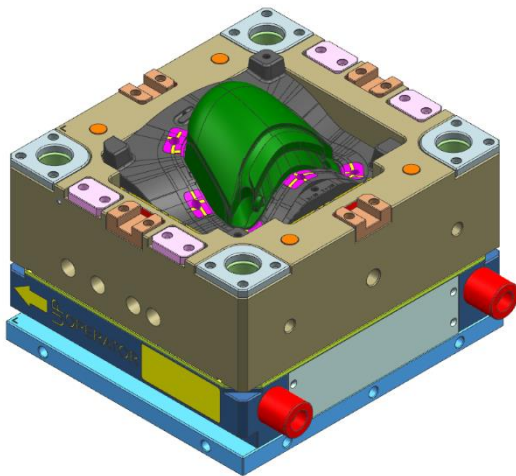
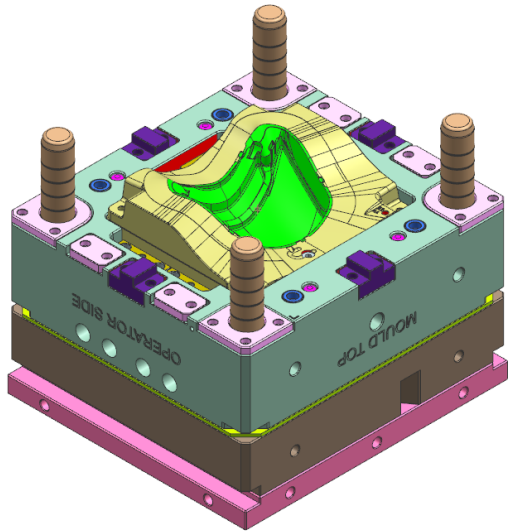


Over molding PC clear insert and PC black mark

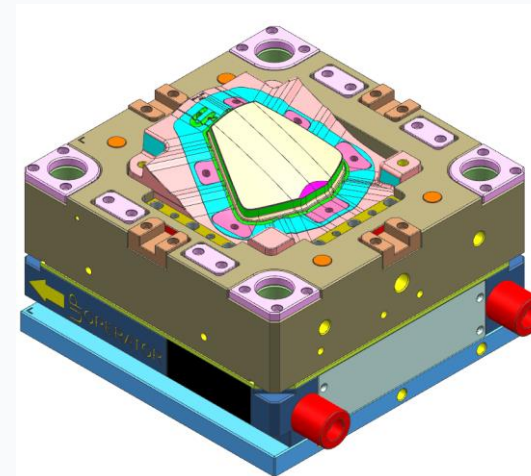
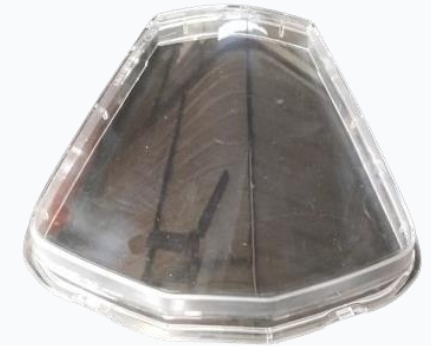
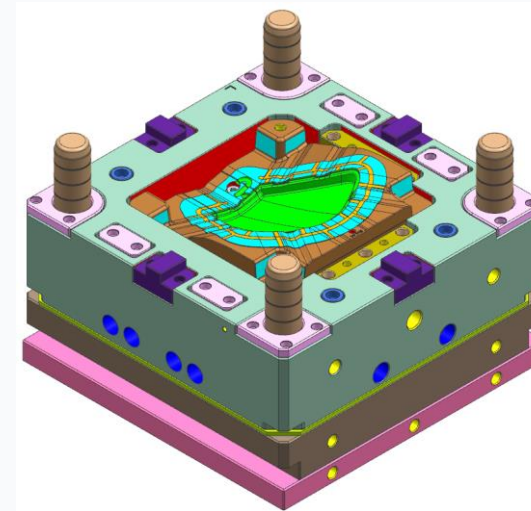
PART NAME : RDM 1184 U101 BLINKER LENS WITH MASK
PART SIZE : 44 X 83 X 27
MOULD SIZE : 446 X 396 X 377



Tools Made at our tool shops



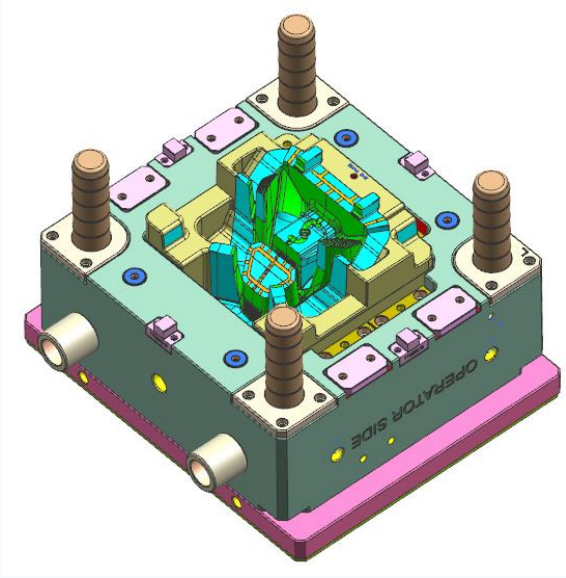
PART NAME : RDM 791 PLATINA HEADLAMP LENS
PART SIZE : 193 X 232 X 144
MOULD SIZE : 496 X 546 X 660



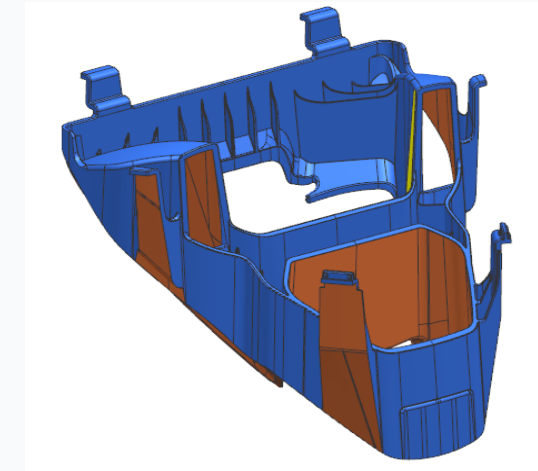
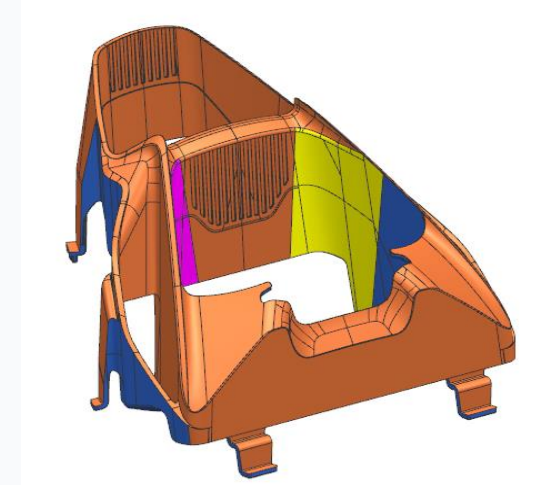
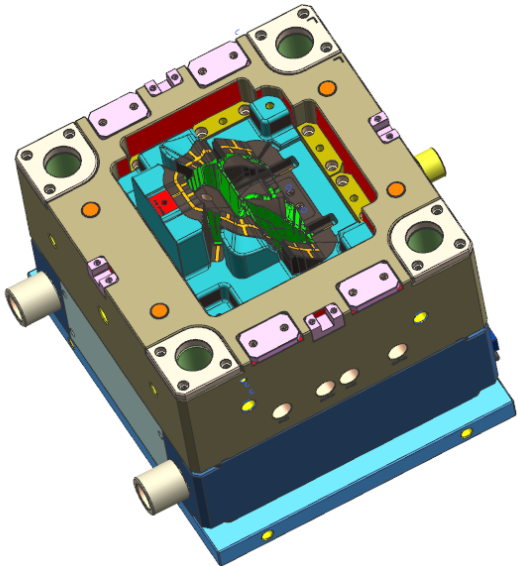
PART NAME : RDM 849 KT 28 HEADLAMP LENS
PART SIZE : 183 X 206 X 95
MOULD SIZE : 496 X 496 X 536



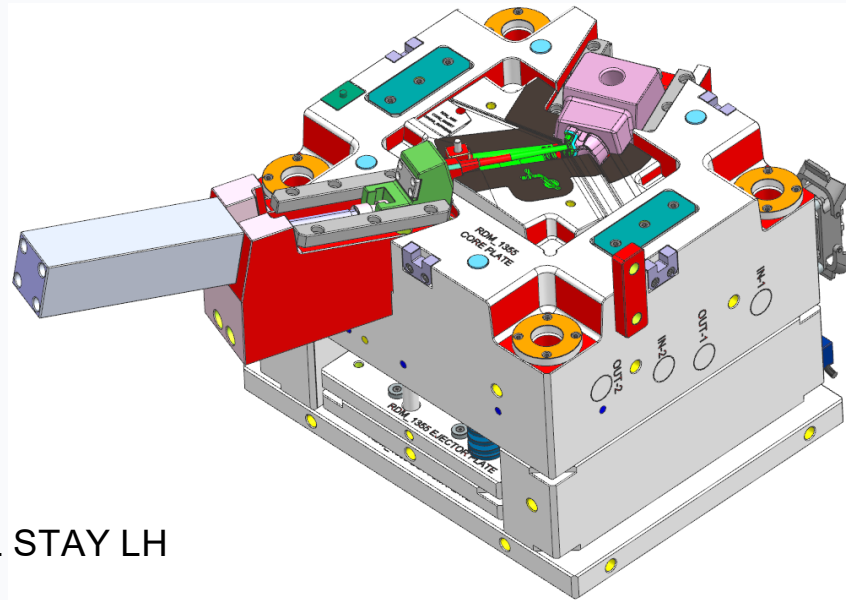
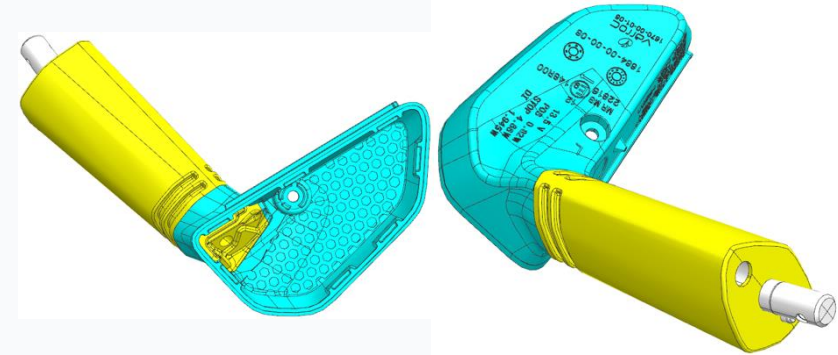
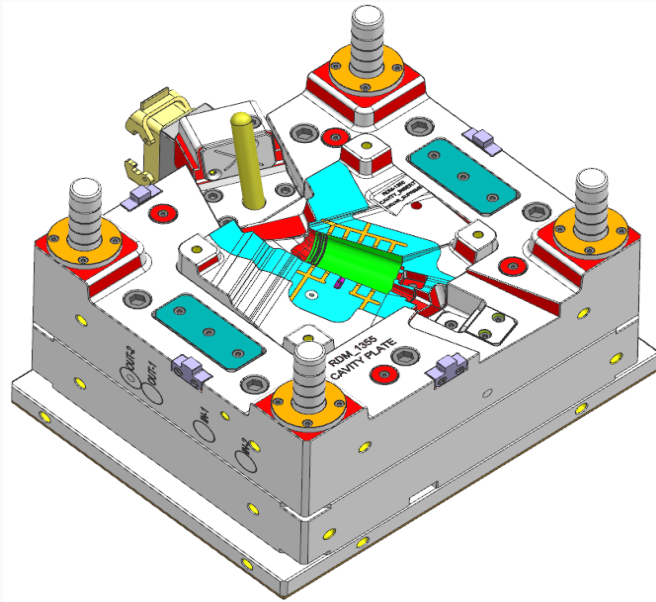
Tools Made at our tool shops



PART NAME : RDM_1180_U101 HL BEZEL
PART SIZE : 153 X 186 X 160
MOULD SIZE : 476 X 566 X 608



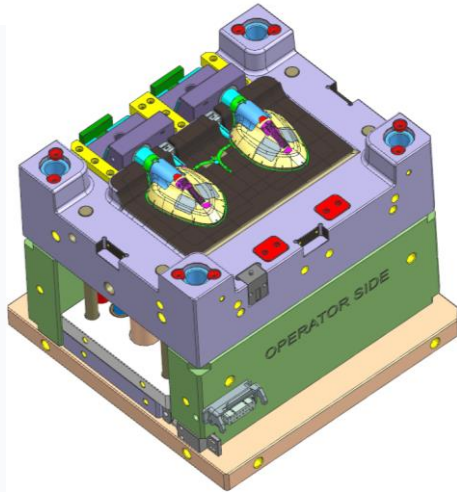
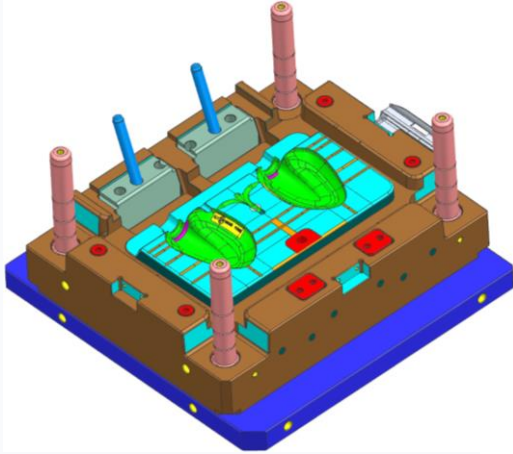
Tools Made at our tool shops



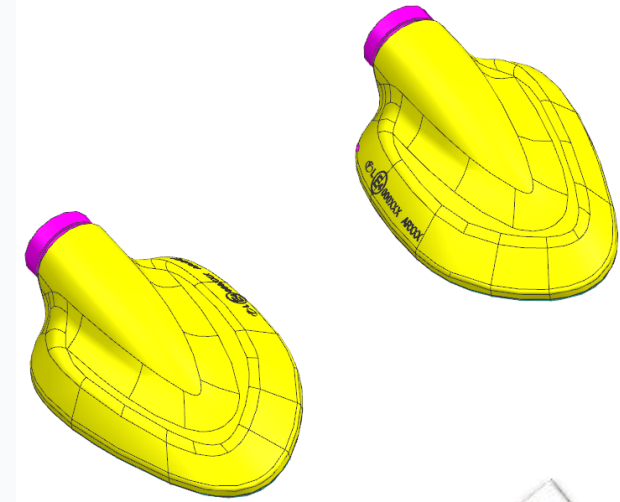
PART NAME : RDM_1355_K8 RCL STAY LH
PART SIZE : 149 X 21 X 23.5
MOULD SIZE : 730X476X579 (WITH CYLINDER)



Tools Made at our tool shops



PART NAME : RDM_1269_BAL_H105C_HOUSING_RH & LH
PART SIZE : 100 X 45 X 154
MOULD SIZE : 490 X 500 X 488

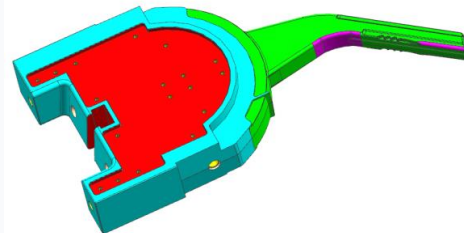
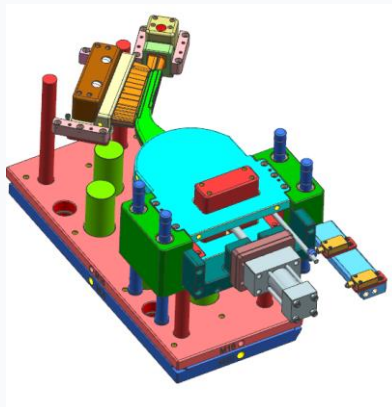
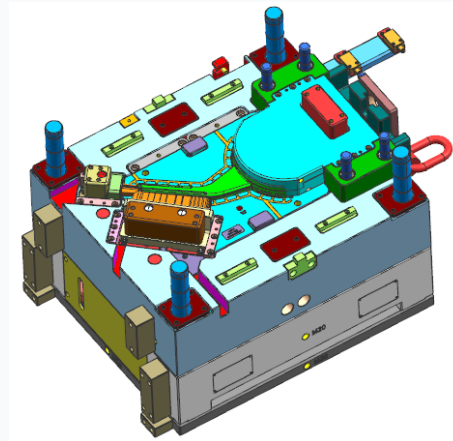
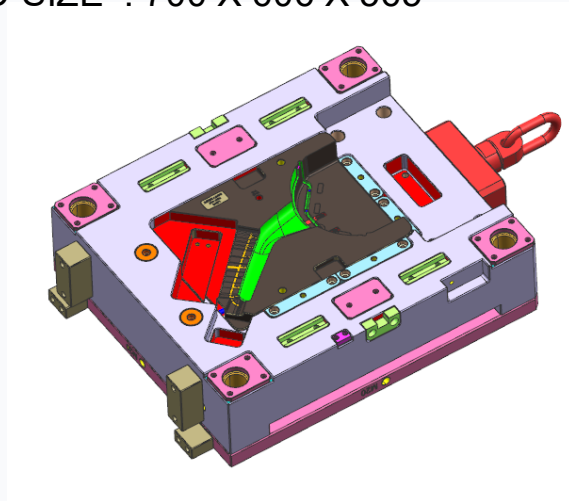


Tools Made at our tool shops

PART NAME : RDM 1107 GRIP HANDLE

PART SIZE : 270 X 260 X 60

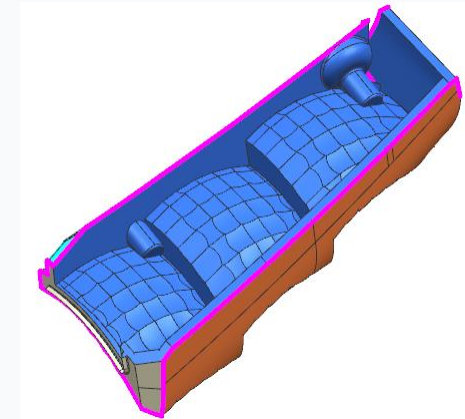
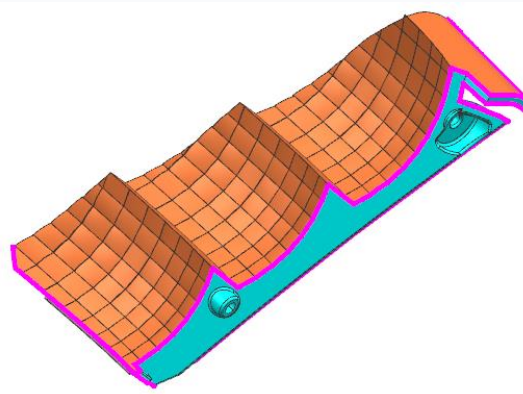
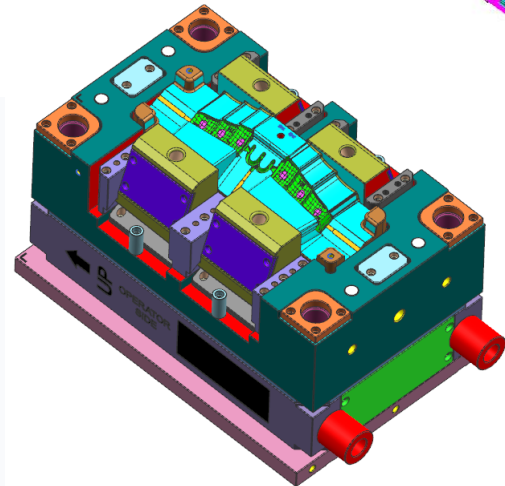
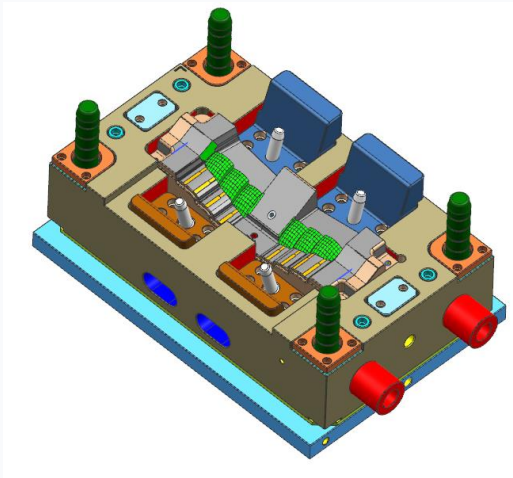
MOULD SIZE : 700 X 606 X 565



Hand grip in PVC material Cylinder movement after ejection to remove undercut forcibly



Tools Made at our tool shops

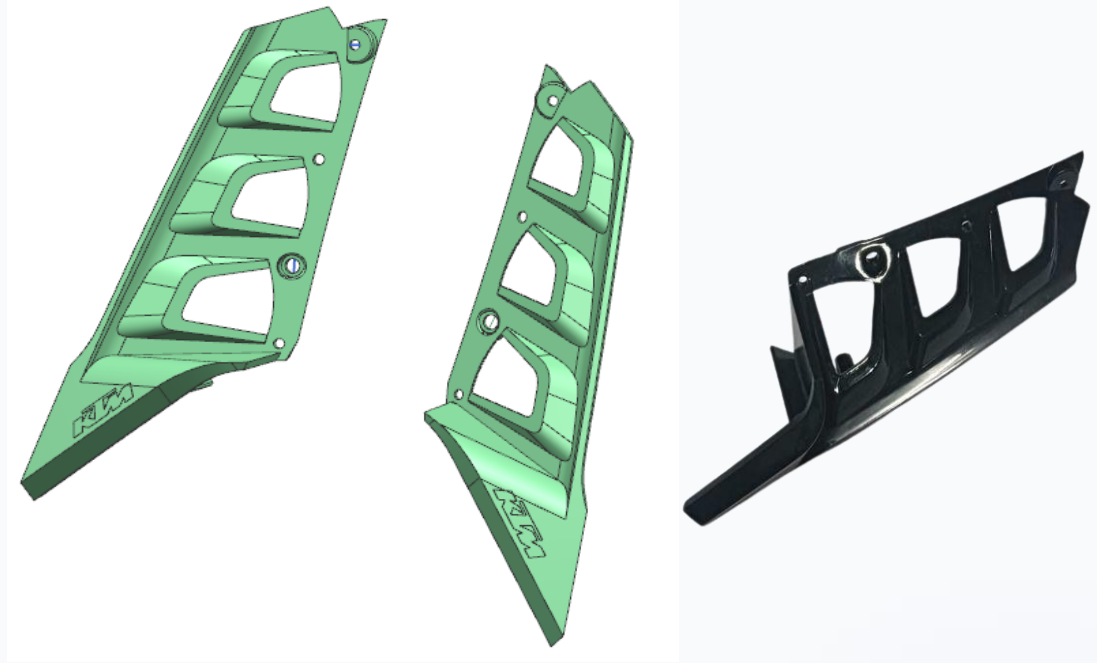
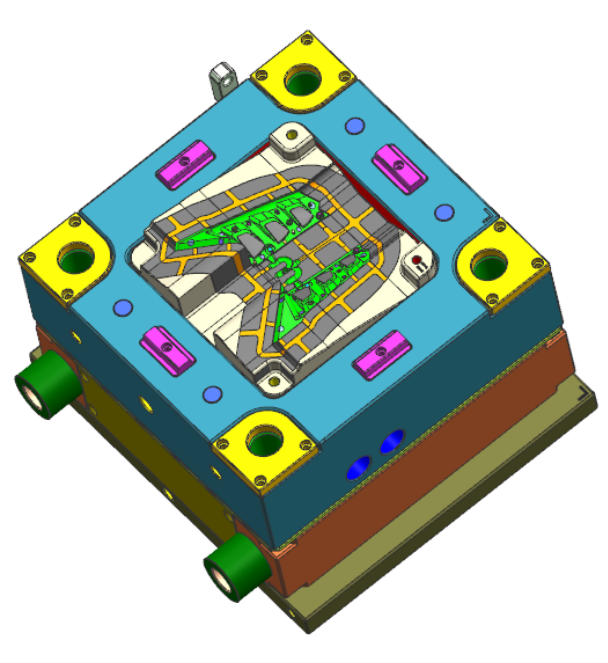
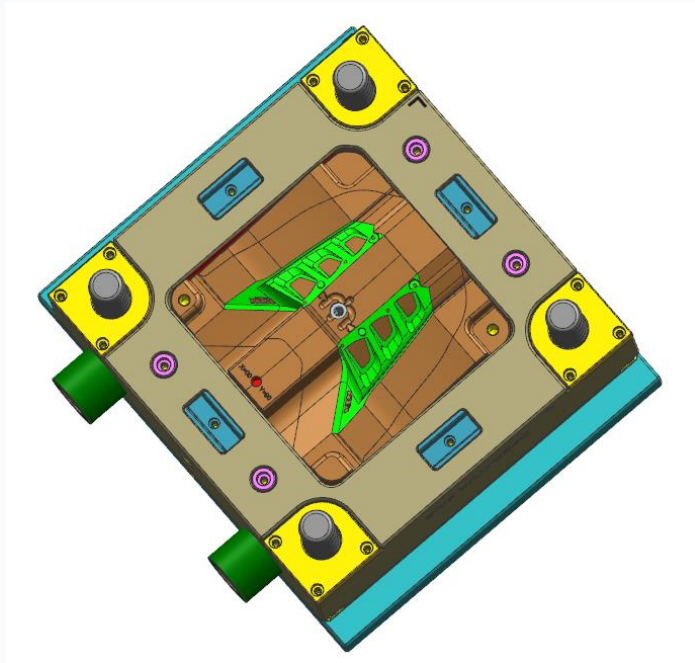


PART NAME : RDM 864_KT-28 BLINKER REFLECTOR LH RH
PART SIZE : 38 X 93 X 51
MOULD SIZE : 496 X 403 X 346

PC BLACK with optics profile



Tools Made at our tool shops



PART NAME : RDM 865 KT-28 BLINKER INNER BEZEL LH RH
PART SIZE : 138 X 54 X 54
MOULD SIZE : 346 X 396 X 356

Chrome Plating Part



| Tools Made at our tool shops



Breather Box
Bajaj KTM



Cover RH
Bajaj KTM



Separator
Bajaj KTM



Tools Made at our tool shops



Cover LH & RH Side



Cover Filter Air Bottom



Air Filter Bottom Cover



| Tools Made at our tool shops



HL ASSEMBLY MAHINDRA



L - D105 HEAD LAMP BAJAJ



FOG LAMP TATA Motors



T/L HOUSING BAJAJ



T/L HOUSING BAJAJ



T/L LENS RED BAJAJ



| Tools Made at our tool shops



T3 FRONT FOG LAMP BRACKET



INNER BEZEL -
AB31 FENDER
LAMP



INNER LENS -
AB31 FENDER
LAMP



REFLECTOR -
AB31 FENDER
LAMP



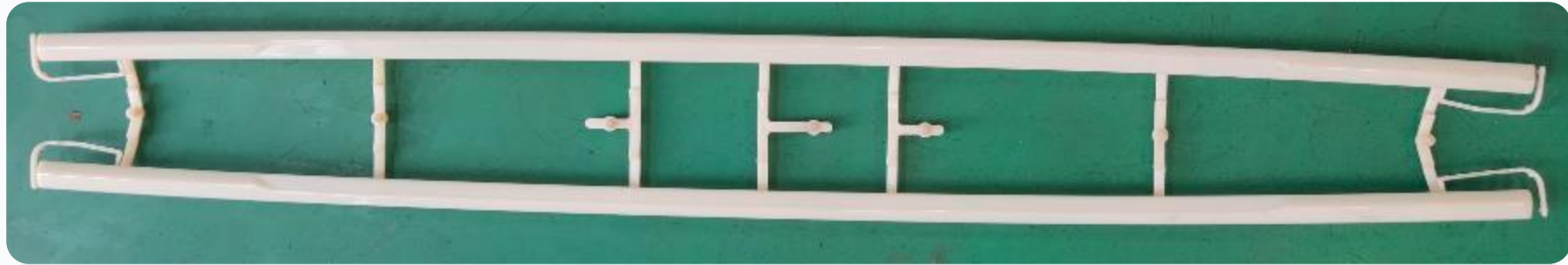
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Thank YOU

