TOPS MOLD

Excellence In Manufacturing&Moulding

AUTOMOTIVE –MEDICAL – ELECTRONIC – INDUSTRY– OTHERS

Your Solution Partner in Mould Production




START HERE!

INNOVATIVE **EFFICIENT** **RELIABLE** **SERVISE**

About US

TOPSMOLD was established in 2016 is located in Dong Guan of China also it is the best manufacturers with getting 98% of customers' approval and exporters for plastic **INJECTION MOULDS FOR INDUSTRIAL, OFFICE EQUIPMENTS ,MEDICAL MOULD, COMMUNICATIONS EQUIPMENT MOULD, EXPORT AUTOMOTIVE MOULD** and others. Our molds are mainly exported to Italy, Australia , India, United Kingdom, America and more than 10 countries

TOPSMOLD is a solution partner of its customers in various projects thanks to its endeavors for continuous development, pioneer role in innovations, dynamism fast and quality production and aims total quality and therefore absolute customer satisfaction in design and production of molds.
For this purpose, we have successfully performed production projects and organizations that will ensure the design and production of our products with the best possible quality, in conformity with the aesthetic criteria, within a shorter time and for lesser costs.

Our ultimate goal is not only surviving in the competitive market conditions but also carrying both our firm and the sector standards forward with an understanding of continuous novelty and development

Quality of politics

“PRODUCT AND PRODUCTION RESPONSIBILITY” will be managed and continuously developed by the systematic documentary structure we have built-in accordance with the Global Quality Management Standards.

The **“QUALITY FIRST”** principle will be applied in all our works based on preventing the error before it happens, continuous improvement, and process management aims. **“CUSTOMER SATISFACTION”** will be achieved in the expected levels, technical solution partnership will be established in new projects and our products will be produced with the most up-to-date production technologies.

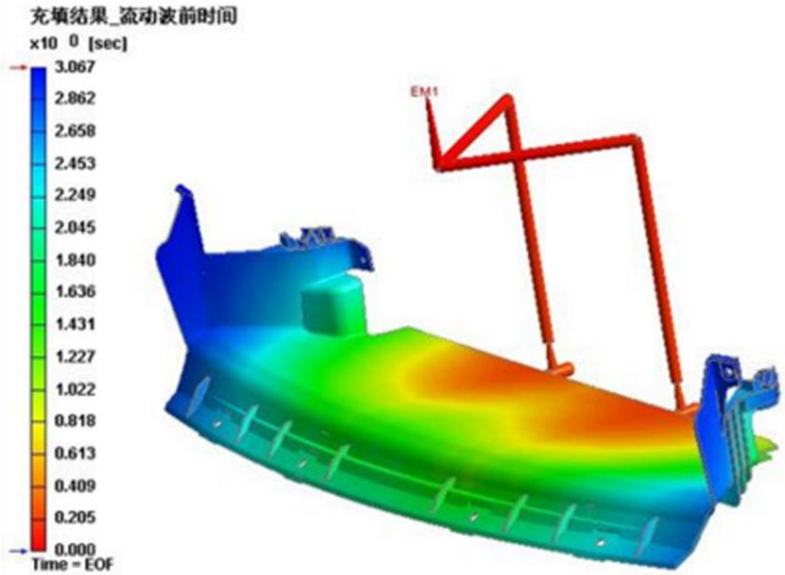
“PLANNED TRAINING” will provide access of all of our employees to current theoretical and practical information and enable them to use their creativity in the correct manner and at the right time

Director
For and on behalf of

Analysis

Correct solutions are created by correct approaches.
Information received from the customer and the 3D data are examined, the shape of the mold in harmony with the demands of the customer and modifications deemed necessary by the data is determined and submitted for the approval of the customer. Each project has been prepared a presentation file with the TOPSMOLD experience. MOLD doing FMA analysis and checking all detail for supporting best part and mold quality for the life of the product. We keep the customer safe and faster with the advantage of very large mold standards.

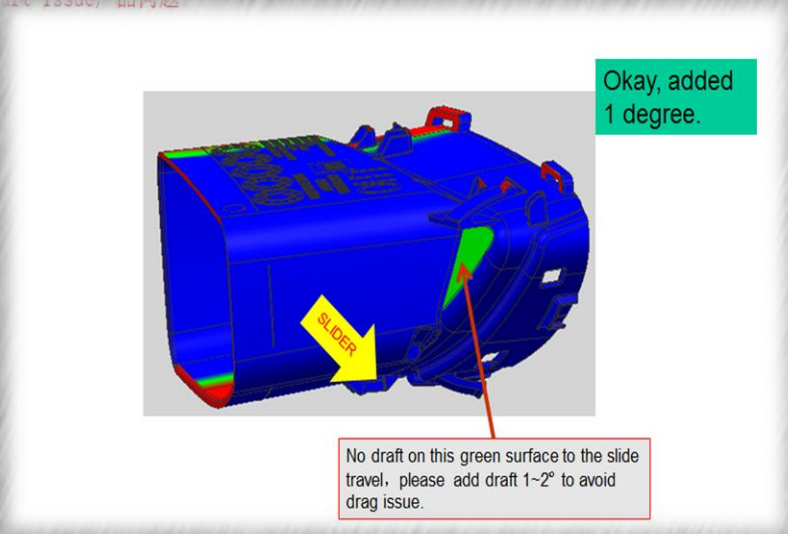
All of the analyses of the part that should be completed before the design process (such as filling analysis, cooling analysis, deformation analysis, etc.) are carried out. If no problem is detected, the design phase starts.



Engineering Team

Design is the source of real power

After receiving an order, as a preliminary mould design is done to explanation and approval provided by customer.
The preliminary mould design shows dimension, injection, cooling, the core and the moving parts on the sides of mould; in other words, all main characteristics of product. As a result, customer can swiftly see engineering concept



Propose

The first step to a successful business starts with a properly prepared proposal. In all mould proposals, above all else, the necessary information is gathered from the customer, the inadequate information in accordance with the TOPSMOLD Proposal Form is received by further contacts with the customer and a detailed mould proposal is prepared with the help of a software tool

Planning

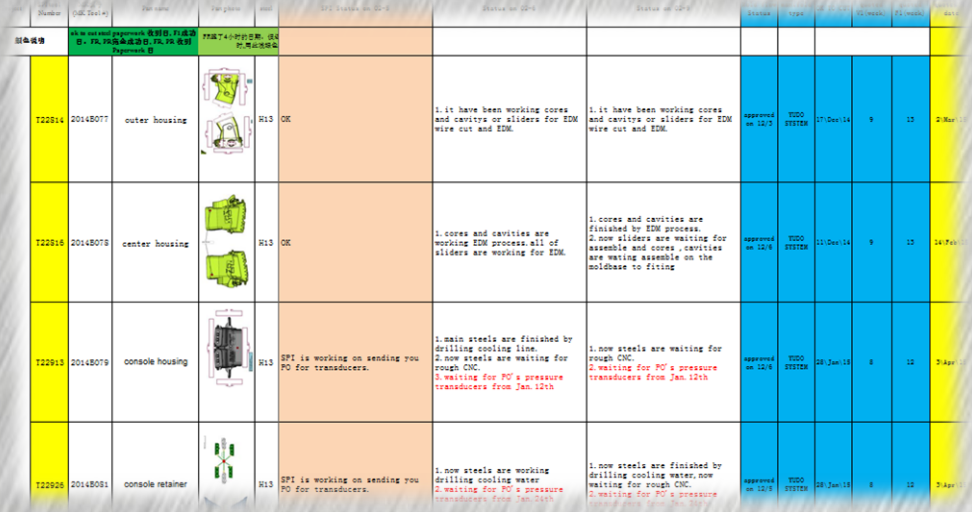
Planning starts with the analysis of the data regarding the product.

To achieve the goals set, a program with regards to utilization of the sources is prepared and submitted. The production plan puts forth the goals set for each phase of production in terms of the periods. It supports the main goal for the realization of the targets established.

Production planning takes place in two stages: Preparation of the production program and planning of the actual production

programs show which products

will be produced in a certain enterprise within a specified period in which quantities and periods. Planning of the actual product is made up of planning of the production preparations and planning of the procedure

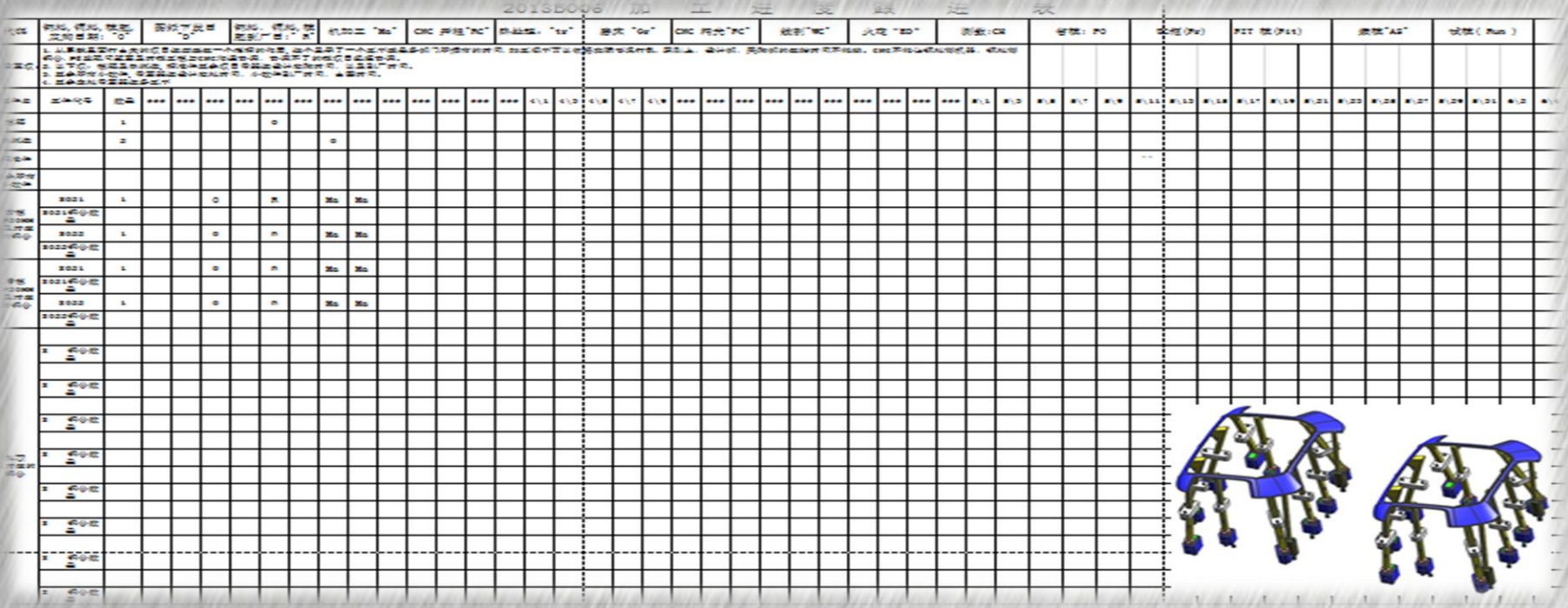


Reporting

A just-in-time project is the result of a properly-made plan at the beginning. For every customer, the mold progress reports are automatically sent to the customer per week in this way the customer can follow each stage of the Project.

Being fast, in other words, completing a project within the required time is one of the most significant issues of today and has the merit of utmost importance for TOPSMOLD . With the graphic tools available, improvement can be controlled in a correct manner and comparisons can be made.

This piece of information serves as a warning in case a delay occurs in terms of either the customer or the plan made, thus facilitating solution by allowing us to take a precaution

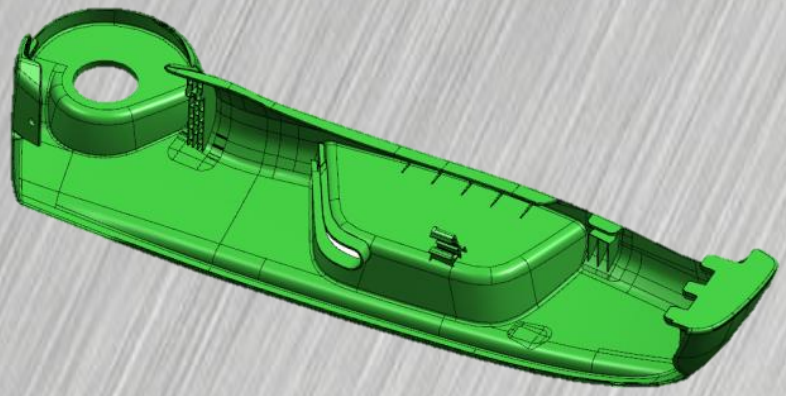


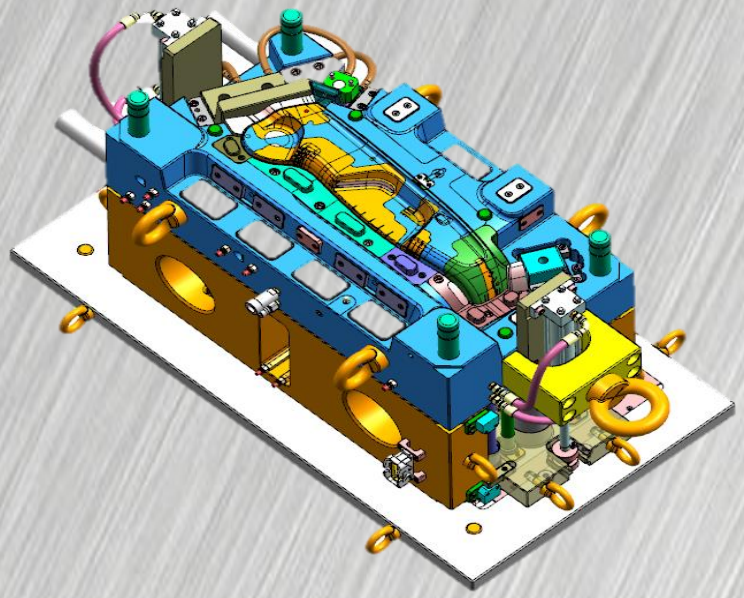
Mold Design

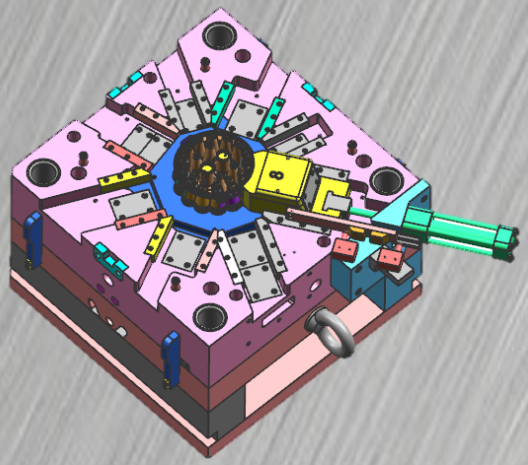
Design is the source of real power.

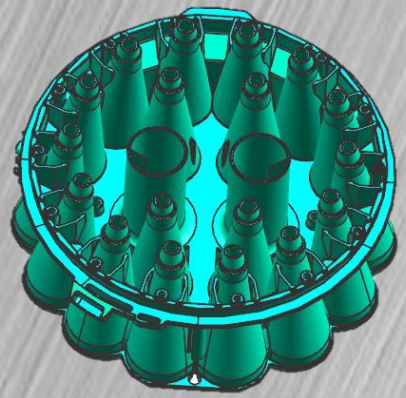
As soon as we receive an order, we start designing a preliminary mold as per the explanation and approval provided by our customer. The preliminary mold design shows the dimension, injection, cooling, core, and the moving parts on the sides of the mold; in other words, all of the main characteristics of the product. As a result, our customers can swiftly see the engineering concept. After the technical qualities of the product are checked, the designing phase starts with ordering the steel material without losing time. During the design, all parts of the mold are shown in a 3D solid model and a 2D Technical Drawing.

In our firm, we use the CAD/CAM programs, which are the best in their own fields, and Unigraphics NX 10.0, Auto CAD 2010 software. The file types we can read thanks to these programs are IGS, PARASOLID (XT), SAT, VDA; STEP, DWG, DXF, STL PRT, MOD, EXP, CATPart, CATProduct









Prototype Tooling

Prototype molds are also produced on our premises as per the requests of our customers. A Prototype mold is produced to see whether or not a particular part is flawless by producing a limited number of the said part without manufacturing the original mold or to produce a limited number of parts.

The Prototype mold may be produced of aluminum, tool steel or chromium-plated material

Production

Deep Hole Drilling

All holes designed in the moulds are drilled with a high speed deep hole drilling machine.

Precision and speed in the axes and diameters of the holes are ensured with this new high-technology drilling method

CNC Milling

In the CNC Milling machines, which are equipped with automatic coupling systems, high-technology CNC milling is made (high speed and rev).

Our CNC milling processing philosophy is built on zero error and processing.

Therefore, some moulds can be finished without a need for spotting; whereas in complex and morphed surfaces, high quality moulds are manufactured with minimum spotting

Process

CNC EDM/Die Sinking

Die sinking procedures are carried out with new technology die sinking machinery equipped with automatic coupling systems

Wire Cutting

All dies and holes, which require fine cutting, are made with precision wire cutting machines

Laboratory & CMM

Quality Control

Measurement at its time and control accelerates production. In TOPSMOLD, all of the product's dimensional controls are made according to CAD Data. These are prepared by measurement and reporting technic in conventional measurement styles and CMM measurement machines at TOPSMOLD or customer and are presented to the customer In mould evaluations foreseen by the measurement and evaluation standards, hardness tests, pulling, breaking, warping, torque measurement, strength of the head, measurement of the coating thickness and gauge tests are being made.

All devices being used in our factory are periodically calibrated by accredited institutions. Thanks to the experience of our quality control staff as a result of the trainings they are given, production is controlled and recorded in each phase and therefore traceability is established in our quality system.

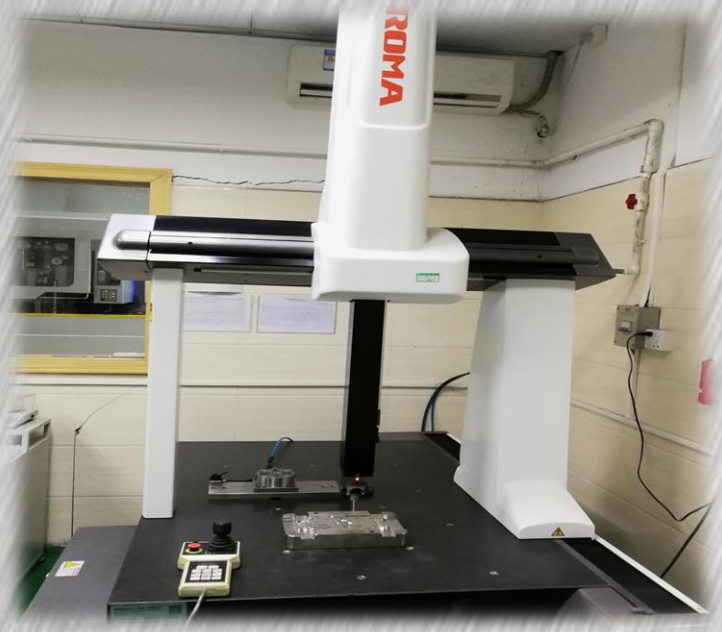
Template_Rev A

Part Number:	439-11007-000	Supplier :		Submission Date:	2016/6/17
Part Description:	HOUSING,REAR,OVE	Submission No :	X1604063	Cavity / Tool # :	X04#/MG00263/264
Part Revision:	REV13	Material Spec :	805/EMPILON HA50	Inspector:	Jinyin.Huang
Submission Reason:					

V4:

ITEM	DRAWING SPECIFICATIONS					INSPECTION RESULTS							% Tolerance		In-Spec/Out-Spec	
	DRAWING LOCATION	ST?	NOMINAL	+TOL	-TOL	Sample Number #########	#########	#########	Deviation from Nominal 1-Jan-1900	2-Jan-1900	3-Jan-1900	Mean	UPPER	LOWER	HIGH	LOW
FAI1	D1	No	1.18	0.03	0.03	1.1665	1.1732	1.1798	-0.01	-0.01	0.00	1.17	0%	45%	In	In
FAI2	D2	No	0.10	0.00	0.10	0.0731	0.0820	0.0735	-0.03	-0.02	-0.03	0.08	-	27%	In	In
FAI3	D1	No	0.85	0.05	0.05	0.8792	0.8526	0.8595	0.03	0.00	0.01	0.86	58%	0%	In	In
FAI4	D2	No	57.10	0.15	0.15	57.1500	57.2000	57.2000	0.05	0.10	0.10	57.18	67%	0%	In	In
FAI5	D2	No	3.10	0.05	0.05	3.1130	3.1080	3.1250	0.01	0.01	0.02	3.12	50%	0%	In	In
FAI6	D3	No	1.51	0.05	0.05	1.5060	1.5123	1.5046	0.00	0.00	-0.01	1.51	5%	11%	In	In
FAI7	D3	No	0.05	0.00	0.05	0.0364	0.0395	0.0330	-0.01	-0.01	-0.02	0.04	-	34%	In	In
FAI8	D3	No	16.13	0.10	0.10	16.0891	16.0889	16.0863	-0.04	-0.04	-0.04	16.09	0%	44%	In	In
FAI9	D3	No	1.52	0.03	0.03	1.5100	1.5230	1.5200	-0.01	0.00	0.00	1.52	10%	33%	In	In
FAI10	C2	Yes	62.00	0.10	0.10	62.0000	62.0000	62.1000	0.00	0.00	0.10	62.03	100%	0%	Alert	In
FAI11	C2	No	2.35	0.05	0.05	2.3099	2.3082	2.3432	-0.04	-0.04	-0.01	2.32	0%	84%	In	Alert
FAI12	C2	No	8.48	0.05	0.05	8.4401	8.4315	8.4329	-0.04	-0.05	-0.05	8.43	0%	97%	In	Alert
FAI13	C2	No	26.17	0.10	0.10	26.1315	26.1248	26.1615	-0.04	-0.05	-0.01	26.14	0%	45%	In	In
FAI14	C2	No	52.25	0.10	0.10	52.2535	52.2483	52.2851	0.00	0.00	0.04	52.26	35%	2%	In	In
FAI15	C3	No	36.95	0.10	0.10	37.0284	37.0288	37.0363	0.08	0.08	0.09	37.03	86%	0%	Alert	In
FAI16	C3	No	36.20	0.10	0.10	36.2647	36.2623	36.2637	0.06	0.06	0.06	36.26	65%	0%	In	In
FAI17.1	C3	No	1.15	0.03	0.03	1.1711	1.1681	1.1680	0.02	0.02	0.02	1.17	70%	0%	In	In
FAI17.2	C3	No	1.15	0.03	0.03	1.1438	1.1426	1.1422	-0.01	-0.01	-0.01	1.14	0%	26%	In	In
FAI17.3	C3	No	1.15	0.03	0.03	1.1275	1.1245	1.1241	-0.02	-0.03	-0.03	1.13	0%	86%	In	Alert
FAI17.4	C3	No	1.15	0.03	0.03	1.1538	1.1540	1.1402	0.00	0.00	-0.01	1.15	13%	33%	In	In
FAI17.5	C3	No	1.15	0.03	0.03	1.1434	1.1465	1.1356	-0.01	0.00	-0.01	1.14	0%	48%	In	In
FAI17.6	C3	No	1.15	0.03	0.03	1.1223	1.1268	1.1284	-0.03	-0.02	-0.02	1.13	0%	92%	In	Alert

FAI Report



CMM

Polishing

The polishing procedure is carried out in-house in TOPSMOLD . Since polishing is the last phase of mold production, it is an important process that should be completed meticulously.

As TOPSMOLD , we are aware of this fact, therefore, departure angle and flatness checks of the mould after the polishing procedure are made without delay. In parts that require high precision visually or dimensionally, special methods are applied and customer satisfaction is achieved at the maximum level by combining this with our experience in polishing

Process

Assembly

In assembly stations equipped with special apparatus, compliance of the mould parts manufactured is ensured by carrying out the measurement procedure and these are carefully assembled.
Our staff, experienced in mould assembly, finds the opportunity to become even more experienced each year with training provided and completes important projects successfully

Production & Assembly

TOPSMOLD embodies all machinery necessary for the production of plastic injection moulds. Furthermore, in case the level of demand exceeds our capacity, we have the necessary means for and believe in applying to supporting industry solutions. Total quality in production heavily depends on the technological equipment and employment of experienced staff. **TOPSMOLD** has proven its quality in this respect with its technological machinery park and qualified staff

Mould Spotting Press

The production philosophy of TOPSMOLD is to produce the parts on CNC benches by the drawings and to manufacture the mould with minimum spotting or tuning even, if possible, without any spots at all. In case of moulds, for which spotting is nonetheless deemed necessary; the said procedure is carried out by our means and devices.
With our new technology mould spotting press investment, our capacity and speed in doing this will increase considerably

Mould Trial Injection

TOPSMOLD carries out in-house trials of the moulds produced. The moulds are tested under conditions suitable for mass production in trial injections of various capacities and dimensions.

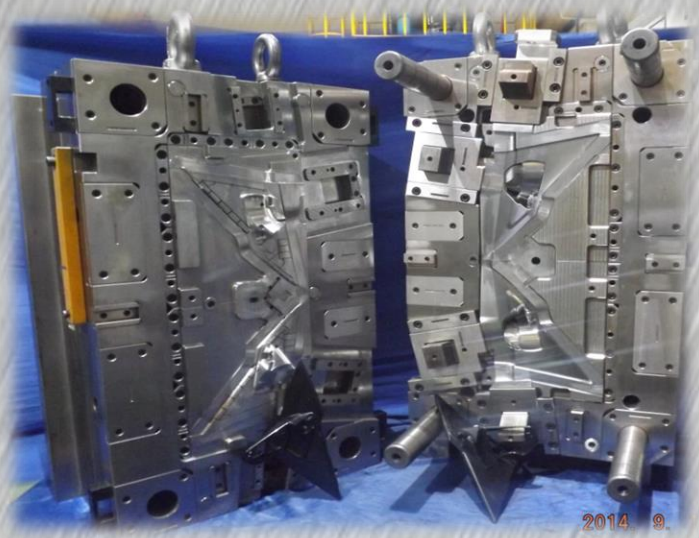
Reports are prepared by our firm for each trial made.
The trials made and reports prepared have provided a significant experience to our firm.
After the approval of the customer is received with regards to the parts, the customer is invited to show the operation system of the mould and to provide all necessary information. If required, preliminary mass production up to a certain amount is also made

Mould Trial &Time to set the result

The final decision on whether or not the procedure has been completed is taken during the trial with the raw material after the production phase is finished and the mold is prepared. A trial is run on appropriate injection machinery in our premises to check the dimensions of the mold and whether or not they are functioning properly

Production

Automotive mould

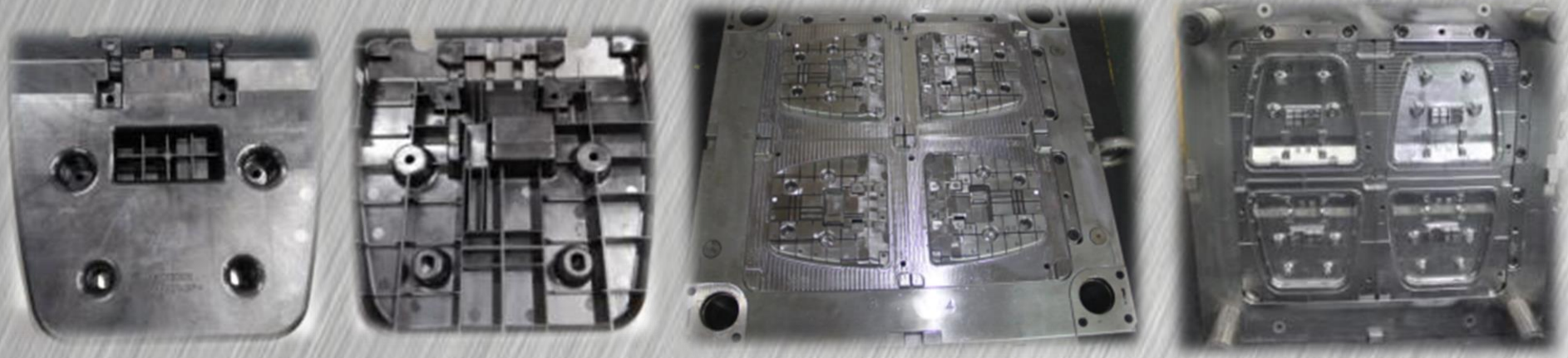


Project NO.:	TM0091	Lead time:	35 days	Number of CAVITY:	1+1
Export country:	JAPAN	Trial times:	T3	Number of slide:	6PCS
Mould size:	700*900*654mm	Surface treatment:	SPI B1	Gate type:	Hot runner
Mould weight:	2650kg	Mould type:	Car production mould	Number of lifter:	4pcs
Part material:	ASA	Steel:	NAK80	Standard:	MISUMI
Part weight:	110g	Mouldbase:	LKM standard		

Automotive mould

Project NO.:	TM0020	Mould type:	Car Production mould
Export country:	JAPAN	Steel:	NAK80
Mould size:	850X700X803mm	Mouldbase:	LKM mould
Mould weight:	3033kg	Standard:	Punch
Part material:	PC +HT	Surface treatment:	SPI A1
Part weight:	115g	Trial times:	T2
Lead time:	50 days		

Automotive mould



Project NO.:	TM0032	Trial times:	T3
Export country:	Germany	Mould type:	Car Production mould
Mould size:	800x870x650mm	Steel:	NAK80
Mould weight:	2250kg	Mouldbase:	LKM mould
Part material:	ASA	Standard:	Punch
Part weight:	175g	Surface treatment:	SPI A1
Lead time:	35 days	Trial times:	T2

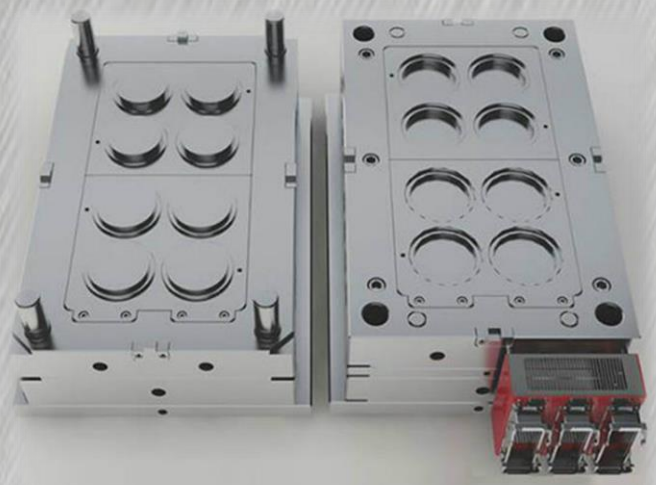
Automotive mould

Project NO.:	TM0031	Mould type:	Car production mould
Export country:	America	Steel:	2343
Mould size:	350X650X491MM	Mould base:	LKM standard
Mould weight:	690 kg	Number of Cavity:	1X1
Part material:	PA66 GF30%	Gate type:	cold runner
Part weight:	155 g	Number of slide :	2 pcs
Lead time:	30 days	Standard:	MISUMI
		Surface treatment:	SPI B1

Medical of mould

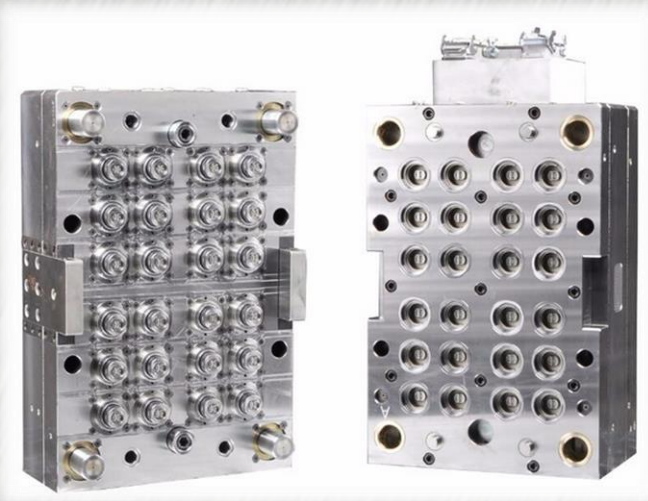
Project NO.:	TM0017	Steel:	S136
Export country:	Turkey	Mold life:	500k
Mould size:	370 X 365 X 390MM	Number of Cavity:	Multi Cavity
Mould weight:	300 kg	Gate type:	cold
Part material:	PS	Surface treatment:	Polished
Part weight:	22g	Application:	Laboratory
Lead time:	45 days	Standard:	DME

Medical of mould



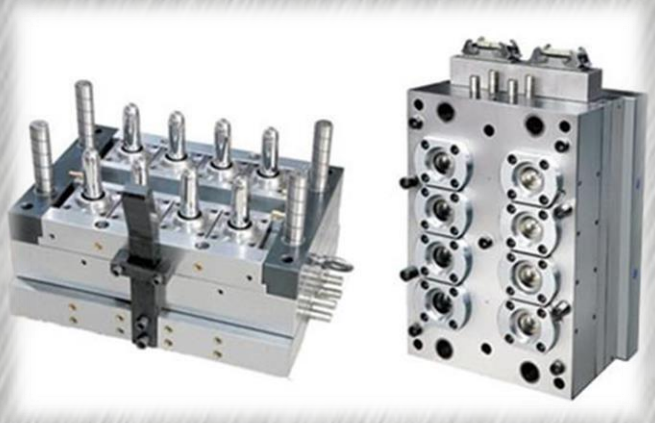
Project NO.:	TM0016	Steel:	S136
Export country:	Pakistan	Mold life:	500k
Mould size:	365 X 355 X 380MM	Number of Cavity:	1*8
Mould weight:	200 kg	Gate type:	cold
Part material:	PS	Surface treatment:	A1
Part weight:	16g	Application: Laboratory	
Lead time:	30 days	Standard: DME	

Medical of mould



Project NO.:	TM0015	Steel:	S50C
Export country:	India	Mold life:	500k
Mould size:	310 X 322 X 330MM	Number of Cavity:	1*24
Mould weight:	230 kg	Gate type:	cold
Part material:	TPE+PP	Surface treatment:	Polished
Part weight:	16g	Parts size:	38mm
Lead time:	25 days	Standard:	LKM

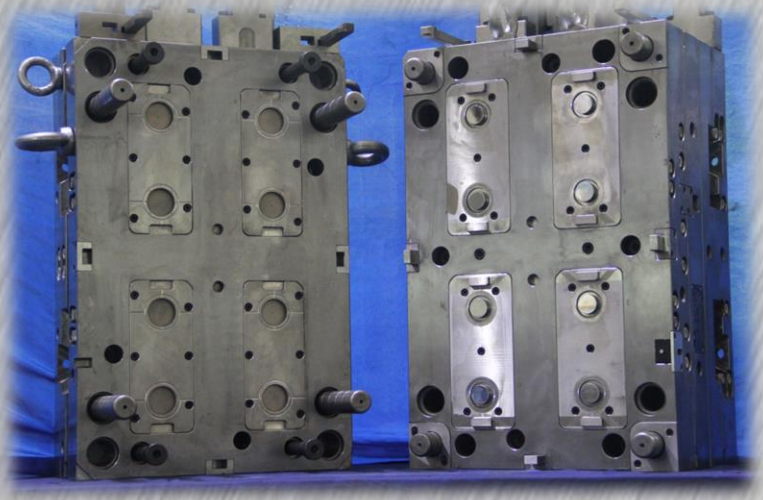
Medical of mould



Project NO.:	TM0018	Steel:	S45C
Export country:	India	Mold life:	500k
Mould size:	377X 389 X 390MM	Number of Cavity:	1*8
Mould weight:	200 kg	Gate type:	cold
Part material:	PS	Surface treatment:	Polished
Part weight:	23g	Application:	Medical
Lead time:	40 days	Standard:	LKM

Production

Packaging mould



Project NO.: TM0092

Export country: US

Mould size: 610*500*572

Mould weight: 1110kg

Part material: PA66-GF35

Part weight:58g

Lead time: 9 weeks

Trial times: T3

Mould type: Slider MKT Assembly

Steel:1.2344

Mould base: Equivalent LKM

Number of CAVITY:2+2

Gate type: Hot runner

Number of slide : 8

Number of lifter: 0

Standard: DME

Surface treatment: Polish A1

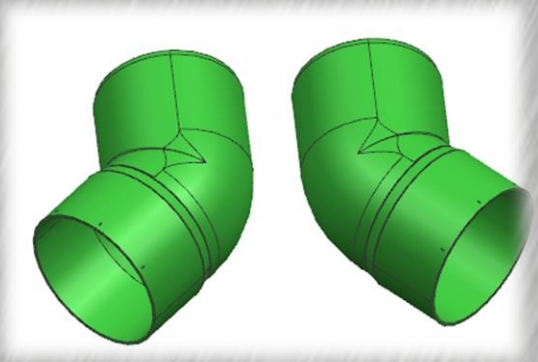
Production

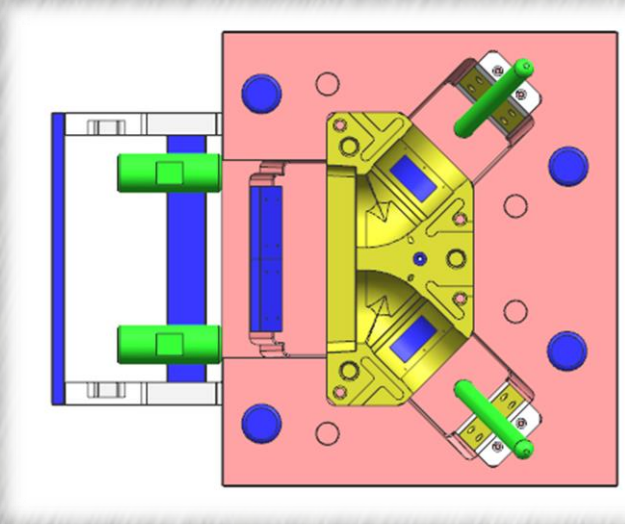
Packaging mould

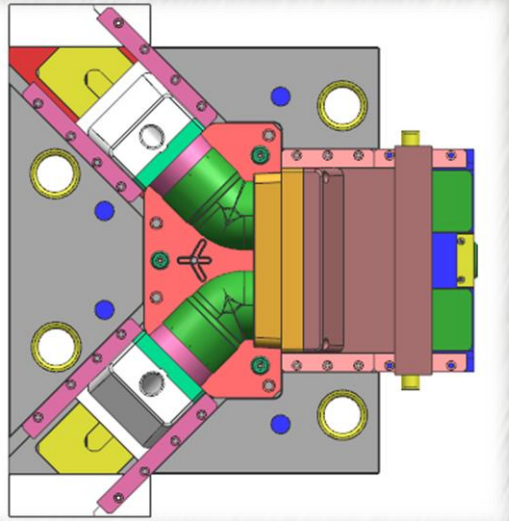
Project NO.:	TM0032
Export country:	Malta
Mould size:	1750*540*610MM
Mould weight:	1970KG
Part material:	PP
Shrinkage:	1.016
Part weight:	2.5gX8
Lead time:	7weeks
Trial times:	T3

Mould type:	cap injection mould
Steel:	S136
Mould base:	EQV HASCO
Number of CAVITY:	1*8
Mold lifetime:	1000k
Gate type:	Cold runner tip gate
Standard:	HASCO
Surface treatment:	SPI-A1

Industry mould

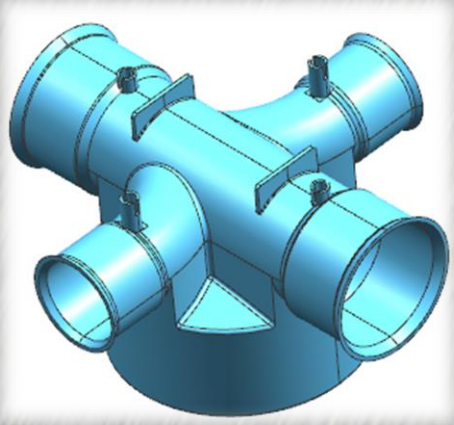


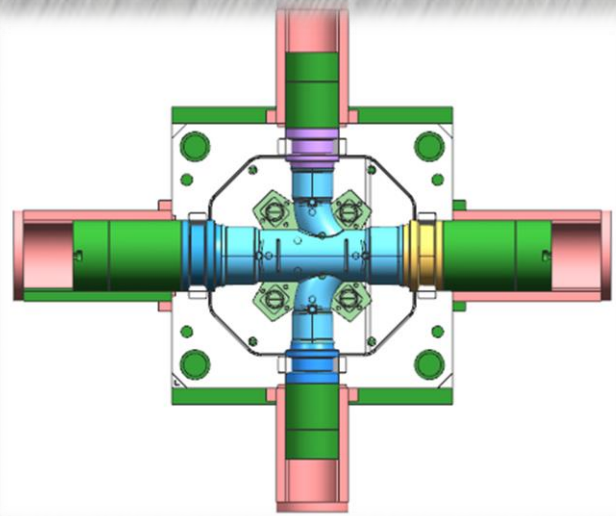


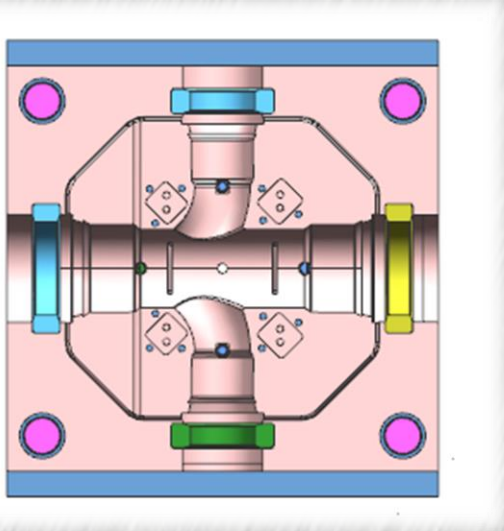


Project NO.:	TM0056	Mould type:	Industry mould
Export country:	JAPAN	Steel:	S136
Mould size:	600x690x591mm	Mouldbase:	LKM
Mould weight:	1735kg	Number of Cavity:	1+1
Part material:	PVC(black)	Number of slide:	3 pcs
Part weight:	196g	Gate type:	cold gate
Lead time:	30 days	Standard:	MISUMI
Trial times:	T2	Surface treatment:	SPI B1

Industry mould



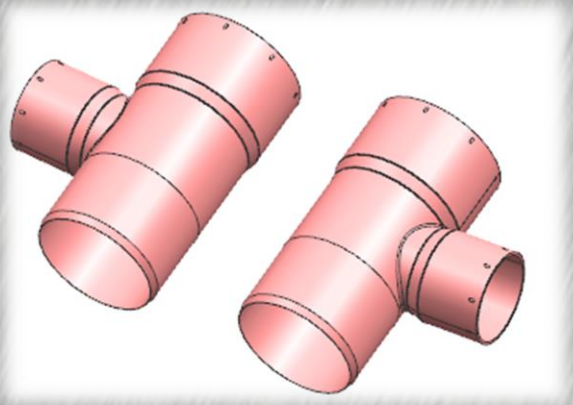


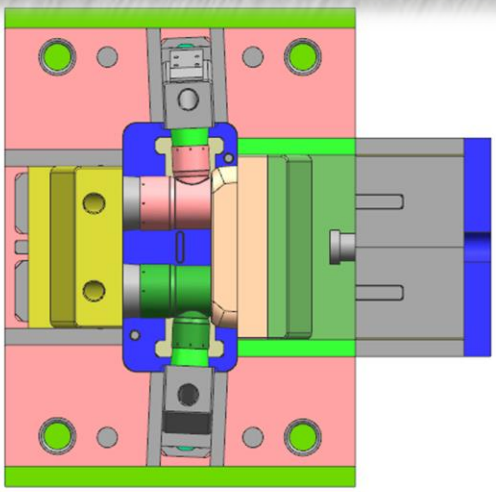


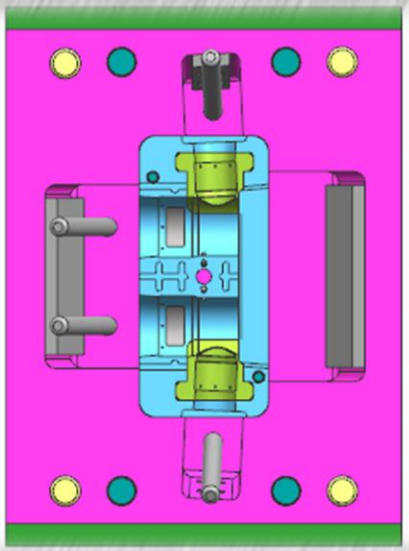
Project NO.:	TM0034	Mould type:	Industry mould
Export country:	Germany	Steel:	S136
Mould size:	850X900X1001mm	Mould base:	LKM standard
Mould weight:	4695kg	Number of cavity:	1
Part material:	PVC(black)	Gate type:	cold gate
Part weight:	3422g	Standard:	MISUMI
Lead time:	35 days	Surface treatment:	SPI B1
Trial times:	T3		

Production

Industry mould







Project NO.:	TM0057	Mould type:	Industry mould
Export country:	JAPAN	Steel:	S136
Mould size:	520x710x531mm	Mouldbase:	LKM
Mould weight:	1735kg	Number of cavity:	1+1
Part material:	1304(black)	Number of slide:	4 pcs
Part weight:	9.3g	Gate type:	cold gate
Lead time:	30 days	Standard:	MISUMI
Trial times:	T3	Surface treatment:	SPI B1

After Sales Service

Service - from start to finish and after all your success is our objective. Even after supplying your dies, we are always there when you need us.
TOPSMOLD is always ready to help in the assembly and installation phase and, in the event of a problem, will be ready at your side with the right advice and active assistance. This will ensure that you avoid unnecessary, cost-intensive downtimes affecting production and that you benefit from our special know-how.

Thank you!

We looking forward to get your RFQ *and visiting our manufactory*

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