



Your reliable partner for injection molds & molded parts !

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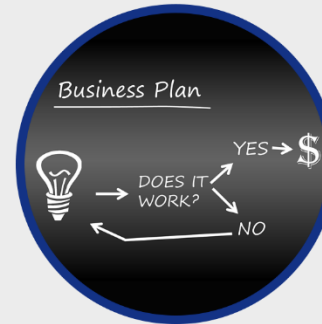
Our Advantages



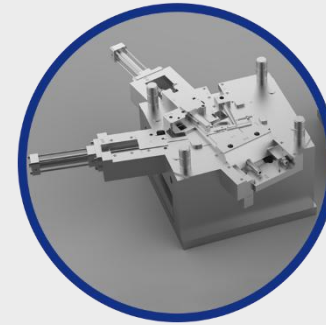
Profile



Work Shop



Project Flow



Products Show



Main Customers

01
PROFILE

ABOUT US

Your reliable partner for injection molds or molded parts !

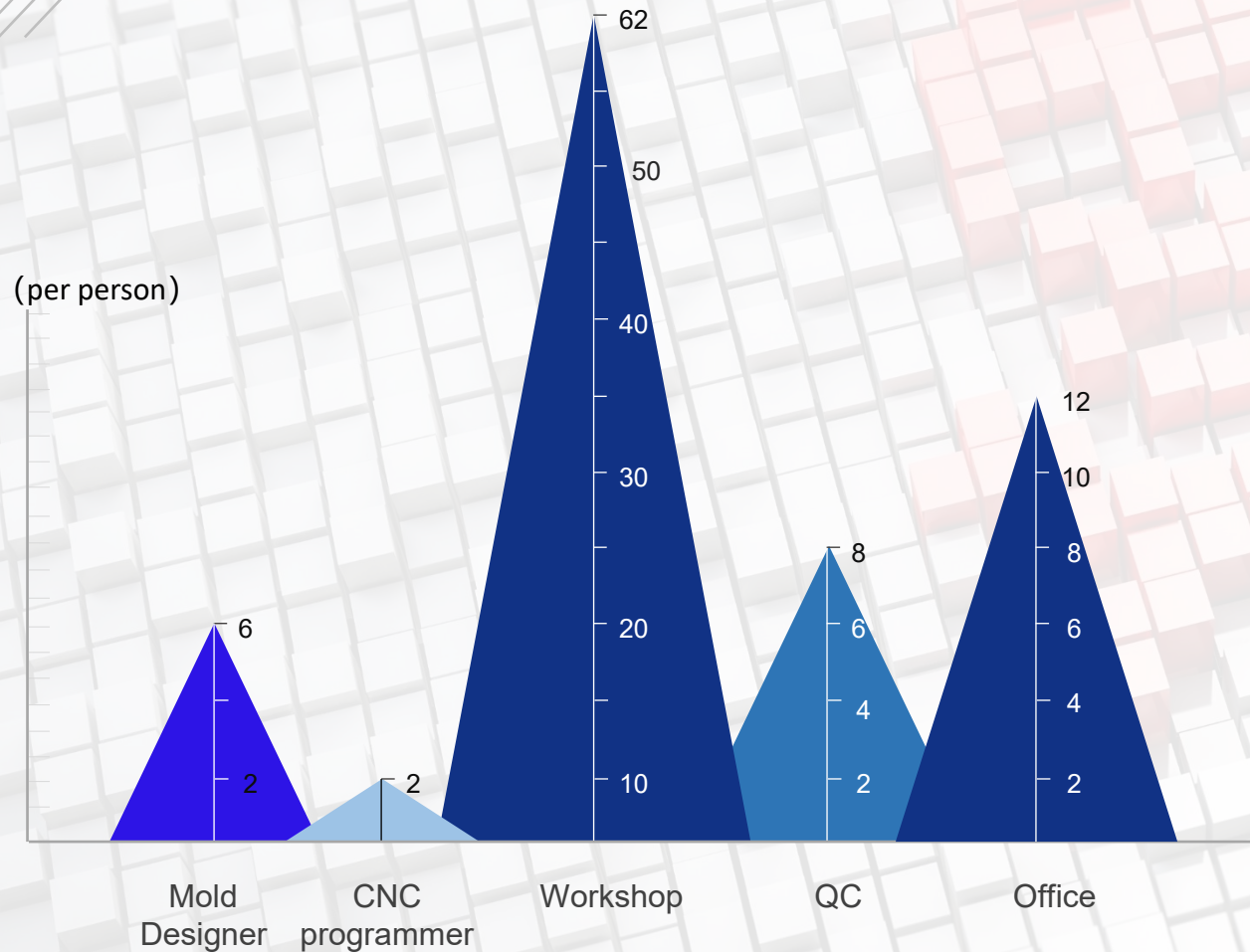


- 8000m² factory area
- ISO9001:2015
- 110 employees
- Molds to be exported
- Mold weight max. 10 tons
- Mold tolerance at +/-0.01mm
- QC check at each process





ABERY TEAM



WHY CHOOSE US

We have a professional team to support our customers from design to fabrication with optimized solutions in short lead time !



Professional



Focusing

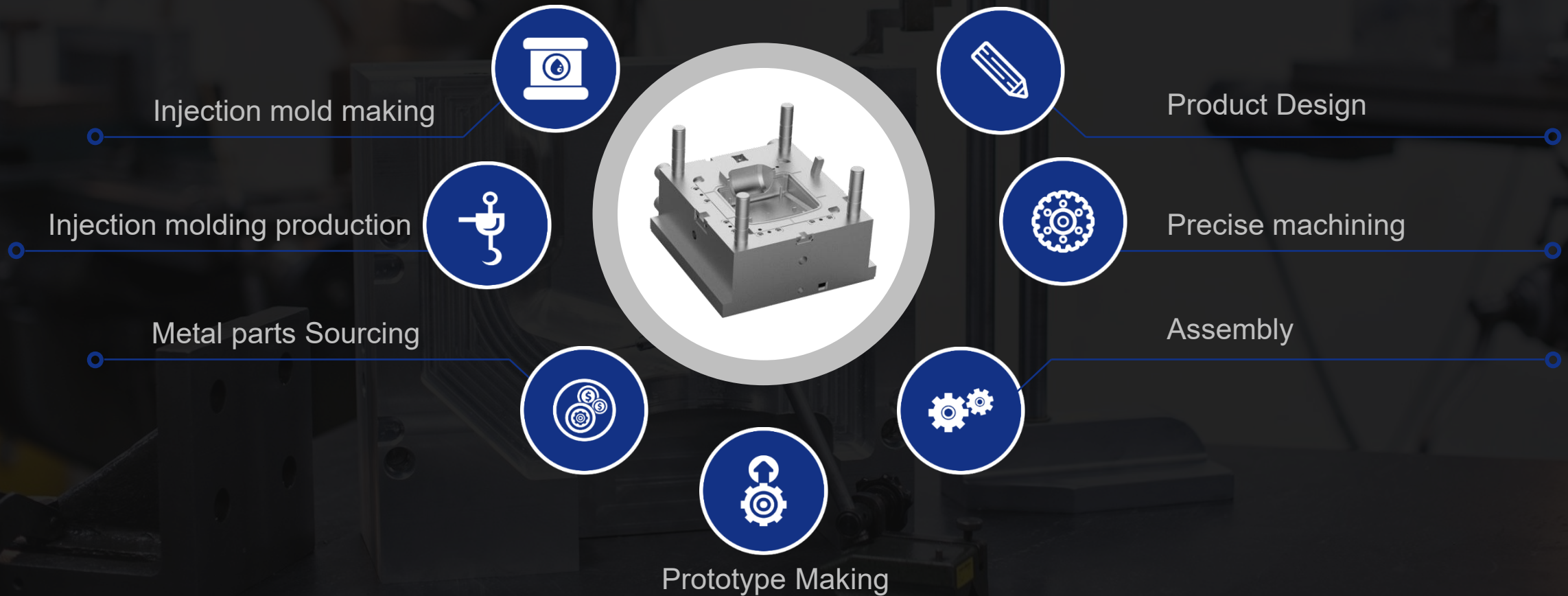


Efficient



Respondent

PRODUCTS & SERVICE



ADVANTAGES



Reply in time
within 24 Hrs



Short Lead time



Full follow-up
system



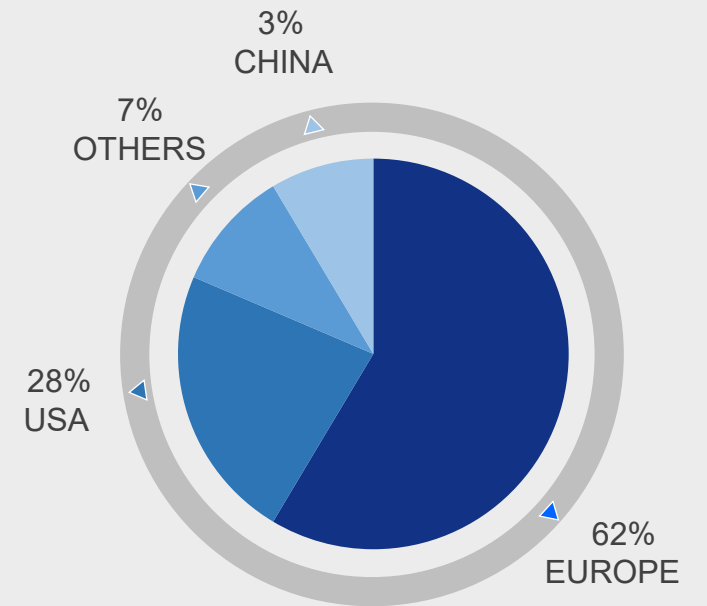
Full quality control



Continuous
improvements

OUR
ADVANTAGES

Market distributions



03

WORKSHOP

WORK SHOP



MOLD SHOP | Your reliable partner for injection molds or molded parts !

PRECISE MACHINES



Our Partner

Our partners supply the precise machining for us!

MOLDING SHOP

ABERY Injection Machine List

No.	Machine Name	Brand	Specifications	QTY (Set)	Tonnage	Machine Type	Origin
1	Injeciton machine	HAITIAN	MA900	2	90T	Normal injection machine	CHINA
2	Injeciton machine	HAITIAN	MA1200	2	120T	Normal injection machine	CHINA
3	Injeciton machine	HAITIAN	MA1600	4	160T	Normal injection machine	CHINA
4	Injeciton machine	HAITIAN	MA1700	2	170T	Normal injection machine	CHINA
5	Injeciton machine	HAITIAN	MA2000	3	200T	Normal injection machine	CHINA
6	Injeciton machine	HAITIAN	MA2500	2	250T	Normal injection machine	CHINA

Our Partner's Injection Machine List

No.	Machine Name	Brand	Specifications	QTY (Set)	Tonnage	Machine Type	Origin
1	Injeciton machine	FANUC	S2000i	5	50T	High-Speed injection machine	JAPAN
2	Injeciton machine	Toshiba	EC100SXIII	5	100T	High-Speed injection machine	JAPAN
3	Injeciton machine	Sumitomo	SE220HDZ	5	220T	High-Speed injection machine	JAPAN
4	Injeciton machine	HAITIAN	IA2500II/b-j	4	250T	2K injection machine	CHINA
5	Injeciton machine	HAITIAN	MA12000	2	1200T	Big injection machine	CHINA



LIST OF EQUIPMENTS



ABERY Machine List							
No.	Machine Name	Brand	Specifications	QTY (Set)	Stroke (MM)	Accuracy	Origin
1	CMM	LEADER	CM1060	1	1000*600	0.005MM	UK
2	High speed CNC	Fanuc	ROBODRILL a-DiB	1	500*400	0.005MM	JAPAN
3	CNC	FEELER	FVP-850	1	800*500	0.010MM	TAIWAN
4	CNC	FEELER	FVP-1000	1	1000*600	0.010MM	Taiwan
5	CNC	Qiaofeng	QFH-850	1	800*500	0.010MM	CHINA
6	Mirror EDM	Mirodick	AM65	3	700*500	0.005MM	CHINA
7	EDM	TOPE	FROM20	3	600*500	0.005MM	TAIWAN
8	Grind machine	Wangpan	WPG618	4	400*600	0.005MM	CHINA
9	Grind machine	BOJHI	BJLM180	1	600*800	0.005MM	CHINA
10	Drilling machine	Zhongjie	Z3040-B	1	D-1000	0.01MM	CHINA
11	Milling machine	JOINT	RATEE-4E	4	600*500	0.01MM	CHINA
12	Lathe	GENETECH	C6132A	1	350*750	0.01MM	CHINA
Our Partner's Machine List							
No.	Machine Name	Brand	Specifications	QTY (Set)	Stroke (MM)	Accuracy	Origin
1	High speed CNC	Mitsubishi	μV1	1	800*500	0.002MM	JAPAN
2	High speed CNC	AGIE-CHARMILLES	MIKRON HSM500	1	800*500	0.005MM	Switzerland
3	EDM Wire cutting	Sodick	ALN-400	2	450*650	0.002MM	JAPAN
4	Mirror EDM	Sodick	AD30LS	3	500*400	0.002MM	JAPAN
5	Mirror EDM	Mitsubishi	SG8P	7	600*500	0.002MM	JAPAN
6	Mirror EDM	AGIE-CHARMILLES	FROM20	2	600*500	0.002MM	Switzerland
7	Precise grinder	Okamoto	ACC350	4	400*600	0.001MM	JAPAN
8	Precise grinder	Seedtech	614S	5	400*600	0.001MM	TAIWAN

MOLD DESIGN

Mold design is very important .
Our engineers will do mold flow
analysis to avoid any potential issues
before mold makings! Good mold
design is half success of good
molds !



Feasibility Study
(DFM)



Mold Flow:
Cool, Filling, Warp



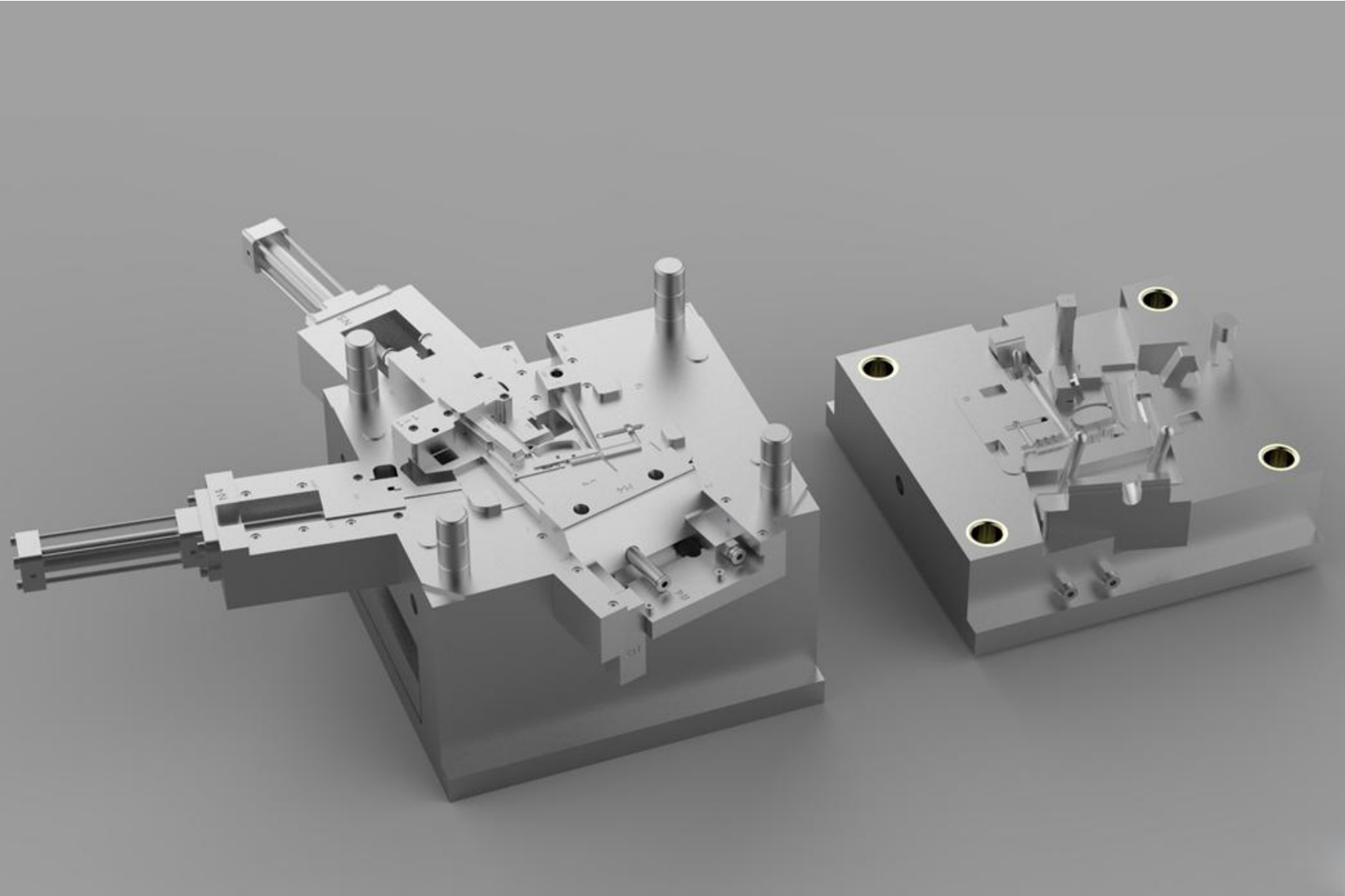
Strong Engineering
Support



Optimized Designing
Solutions

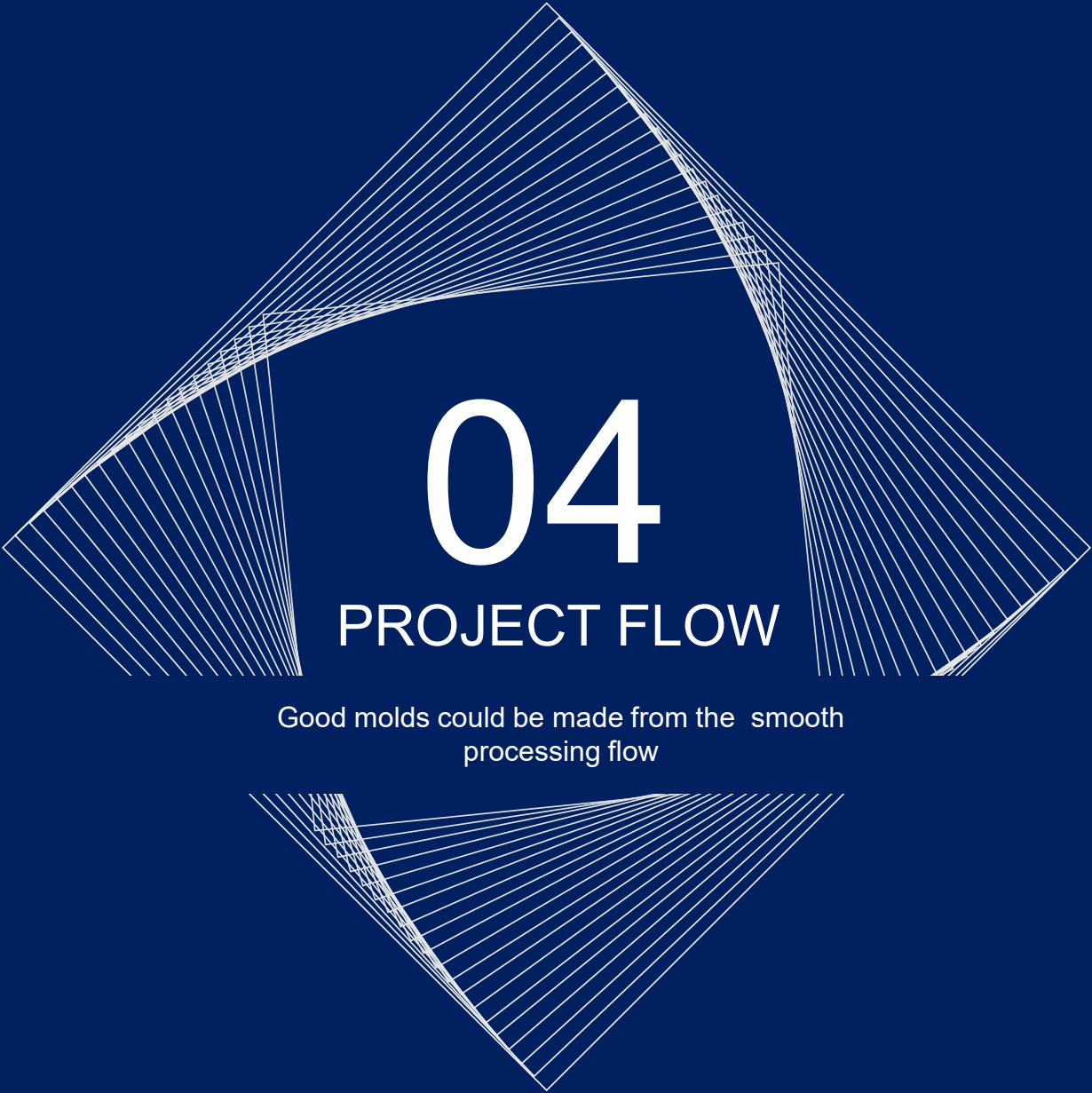
OUR TEAM





- 2K / Double -shot
- Over mold
- Gas-Assisted Mould
- Sandwich Mold (Stack mold)
- In-Mould Labelling (IML)
- In-Mould Decoration (IMD)
- Automatic unscrewing Mold
- Mold with metal inserts

Mold makings need skilled technician and tool makers, the precision on molds should be guaranteed from the precise machines and good process being controlled by QC.

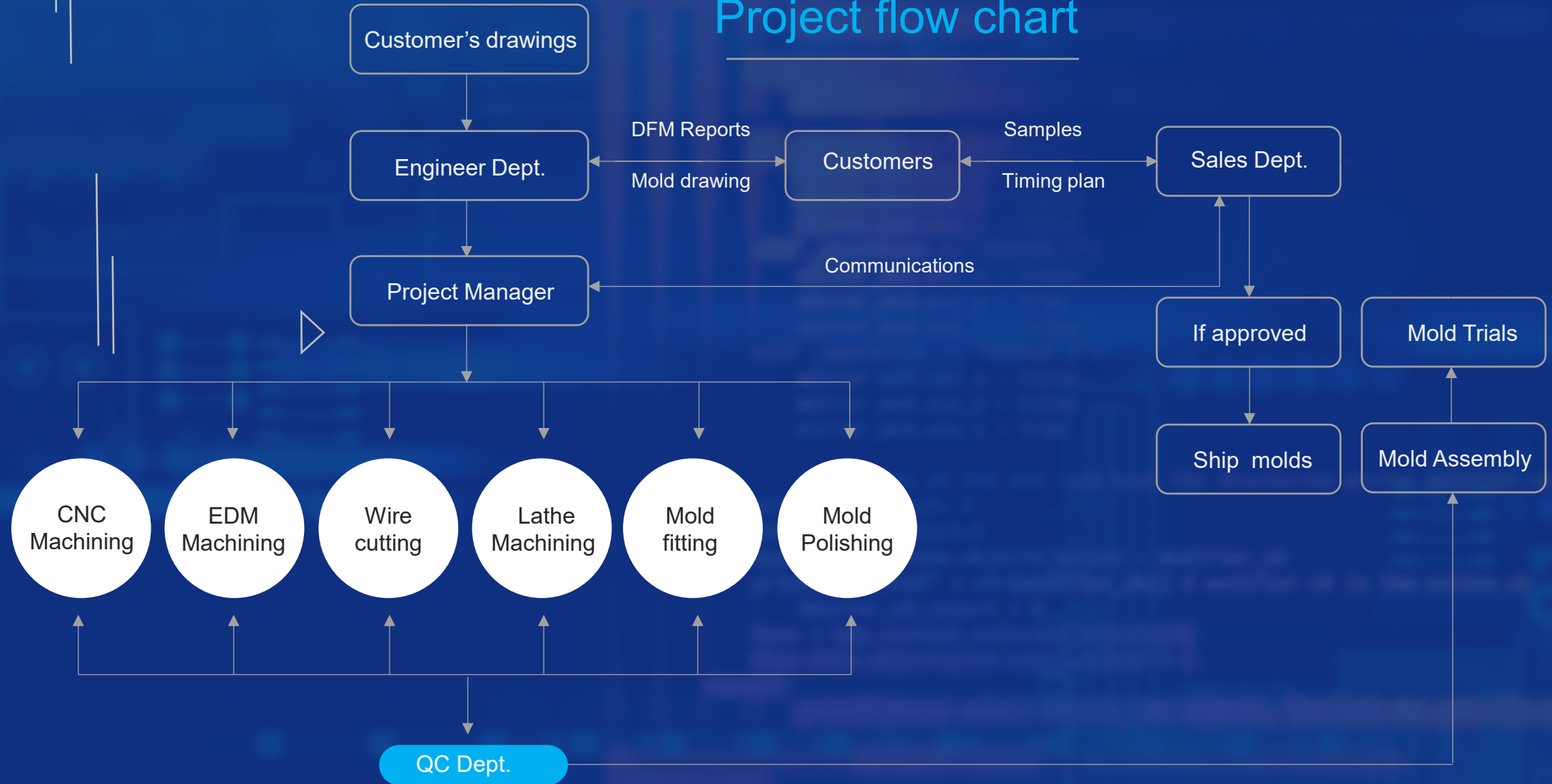
The background features a large, abstract geometric shape composed of many thin, white lines that converge towards a central point, creating a sense of depth and movement. This shape is mirrored below the main text area.

04

PROJECT FLOW

Good molds could be made from the smooth
processing flow

Project flow chart



PROJECT FLOW



Project Launch



Mold design



Mold timing plan



Mold trial



Mold improve



Mold shipment

PROJECT LAUNCH



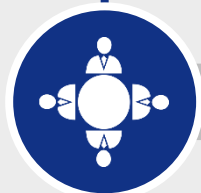
Order Confirm at Sales Dept.



CAD data input at Eng. Dept.



Review the mold specification



Team Meeting before mold design

MOULD SPECIFICATION

Project: **NEW PLATFORM**
Проект:
Part: **Acti 9 support**
Детайл :
Part Reference: **AB668B**
Референция:
(Q1112)
Tool type: **HARD TOOL**
Тип инструмент:

Part Revision : **A**
Ревизия:
Date / Spec
Revision: **2012-06-27**
Дата/Спец. рев.:

GENERAL DATA : ОСНОВНИ ДАННИ:

Quantity per year : **4000**
Годишно количество:
Cavity Number: **2**
Брой гнезда:
Hourly rate:
Количество за час:
Generic raw material: **Lexan LR220**
Материал:
Specific raw material: **Lexan 920A**
Алтернативен материал:
Inspection Report: **Yes** ☒ **No** ☐
Измервателен протокол:
Shrinkage:
Свиване:
Warranty : **300.000 SHOTS**
Гаранция:

Operating mode: **Auto** ☒ **Semi-Auto** ☐
Тип работа:
Cycle time, s: **38s**
Циклово време,с:

Mold life: **1.000.000 SHOTS**
Живот на инструмента:

INJECTION MACHINE: ШПРИЦМАШИНА:

Clamp Force: **1100 KN**
Сила на затваряне:
Dimension between tie bar: **470x470 mm**
Междуклонно разстояние:
Screw Ø: **40 mm**
Ø шнек:

Flange: **125mm**
Фланец:
Radius of inlet runner system: **15.5mm**
Радиус на лъчкова втулка:
Electrical connectors: **Harting standard 16pin**
Електрически връзки:

MOLD DESIGN



DFM report



DFM & Mold flow report



2D & 3D Mold Drawing



Approval from client



Order Mold base & steels



Moldflow Analysis Report

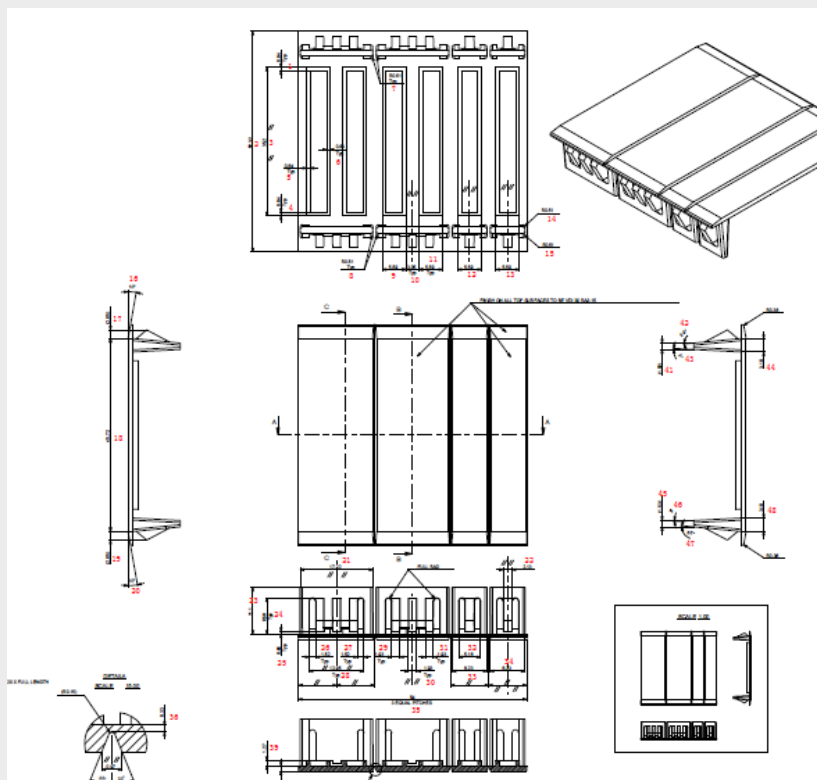


Project name(SGM) (项目名)	PLAATFORM	Part name(SGM) (零件名)	6 Way base cover
Part number(SGM) (零件号)	TL365AD	CAD Version (CAD模型版本)	UG 8.0
Date (日期)	2016.07.02	Moldflow REV (Moldflow版本)	MF 2016
Mould / Product Company (模具/零件供应商)	ABERY	Moldflow Analyst (Moldflow工程师)	Rovy

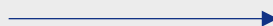
MOLD TRIALS



Dimension Report of Samples



ISIR



product Name		FEMT		Product P/N		Nha5457502				Material		Frianyl A63 V2	
序 号 (NO.)	图纸尺寸 (Dim on drawing)	穴号 (Cavity Number)								检测仪器 (mea app.)		判断 (Meet spec?)	
		1	2	3	4	5	6	7	8	OK	AC	NG	
1	0.84±0.1	0.84	0.82	0.86	0.84	0.82	0.84	0.84	0.86	F	OK		
2	52.32±0.3	52.74	52.7	52.72	52.68	52.7	52.72	52.7	52.72	F			NG
3	35.2±0.3	35.56	35.58	35.54	35.54	35.56	35.54	35.56	35.54	F			NG
4	0.84±0.1	0.82	0.82	0.84	0.82	0.83	0.84	0.82	0.84	F	OK		
5	0.84±0.1	0.8	0.82	0.8	0.83	0.82	0.84	0.83	0.82	F	OK		
6	0.84±0.1	0.8	0.84	0.84	0.82	0.82	0.8	0.82	0.82	F	OK		
7	R0.51±0.1	0.51	0.5	0.52	0.5	0.48	0.48	0.5	0.52	F	OK		
8	R0.51±0.1	0.47	0.48	0.47	0.46	0.47	0.48	0.47	0.48	F	OK		
9	5.59±0.1	5.56	5.55	5.56	5.54	5.55	5.56	5.54	5.54	F	OK		
10	3.05±0.1	3.14	3.12	3.1	3.14	3.12	3.12	3.14	3.12	F	OK		
11	5.59±0.1	5.52	5.54	5.55	5.52	5.52	5.54	5.52	5.54	F	OK		
12	5.59±0.1	5.54	5.54	5.52	5.52	5.54	5.52	5.54	5.52	F	OK		
13	5.59±0.1	5.54	5.54	5.52	5.52	5.54	5.52	5.54	5.52	F	OK		
14	R0.51±0.1	0.49	0.48	0.48	0.49	0.47	0.47	0.48	0.47	F	OK		
15	R0.51±0.1	0.52	0.5	0.49	0.48	0.47	0.47	0.48	0.48	F	OK		
16	10°±0.5	10.41	10.38	10.26	10.36	10.28	10.39	10.22	10.35	F	OK		
17	2.05±0.1	2.07	2.06	2.07	2.05	2.05	2.06	2.05	2.06	F	OK		
18	45.72±0.3	46.02	46	45.98	45.96	45.96	46	46.02	46	F	OK		
19	2.05±0.1	2.12	2.1	2.12	2.1	2.1	2.12	2.12	2.12	F	OK		
20	10°±0.5	9.86	9.67	9.78	9.82	9.85	9.86	9.77	9.79	F	OK		
21	17.22±0.2	17.18	17.2	17.18	17.16	17.16	17.18	17.16	17.18	F	OK		
22	2.13±0.1	1.94	1.96	1.94	1.96	1.96	1.94	1.94	1.96	F			NG
23	11.1±0.2	11.14	11.1	11.12	11.12	11.1	11.12	11.14	11.12	F	OK		
24	8.56±0.2	8.74	8.72	8.7	8.73	8.72	8.7	8.72	8.72	F	OK		
25	0.64±0.1	0.7	0.7	0.68	0.68	0.7	0.7	0.7	0.68	F	OK		
26	1.52±0.1	1.54	1.54	1.54	1.52	1.52	1.54	1.52	1.54	F	OK		
27	1.52±0.1	1.52	1.52	1.52	1.54	1.52	1.53	1.54	1.52	F	OK		
28	12.95±0.2	13	13.02	13	13.04	13.02	13.02	13.04	13.02	F	OK		
29	1.93±0.1	1.86	1.88	1.86	1.88	1.86	1.86	1.88	1.86	F	OK		
30	1.93±0.1	1.88	1.88	1.86	1.88	1.86	1.88	1.86	1.88	F	OK		
31	1.93±0.1	1.88	1.86	1.88	1.86	1.88	1.86	1.88	1.86	F	OK		
32	5.18±0.1	5.18	5.2	5.22	5.22	5.22	5.22	5.2	5.2	F	OK		
33	8.23±0.2	8.28	8.3	8.28	8.32	8.32	8.3	8.3	8.32	F	OK		
34	8.23±0.2	8.32	8.3	8.3	8.32	8.3	8.32	8.3	8.32	F	OK		
35	54±0.3	54.36	54.38	54.36	54.36	54.38	54.36	54.38	54.36	F	OK		
36	0.33±0.1	0.4	0.38	0.36	0.38	0.4	0.4	0.38	0.38	F	OK		
检测仪器 (Measure Apparatus):A:卡尺 (Caliper), B:分厘卡 (Micrometer), C: 三次元(Coordinate Measuring Machine) D:高度计 (Height gague) E:目视 (Visual Inspection) F:投影仪 (Profile Projector),													
备注 (NOTE):													
核准 (Appored):		审核 (Reviewed):		制表 (Prepared):干至 2017-01-15									

检测仪器 (Measure APParatus): A: 卡尺 (Caliper), B: 分厘卡 (Micrometer), C: 三次元 (Coordinate Measuring Machine)
D: 高度计 (Height gague) E: 目视 (Visual Inspection) F: 投影仪 (Profile Projector),

备注 (NOTE):

核准 (Approved): 审核 (Reviewed): 制表 (Prepared): 王军 2017-01-15

保存期: 2年

编号: AY-FM-016

During mold trials, we will optimize the molding settings to get the good samples



After mold trials, we check the samples, and then send the ISIR and photos to our customer



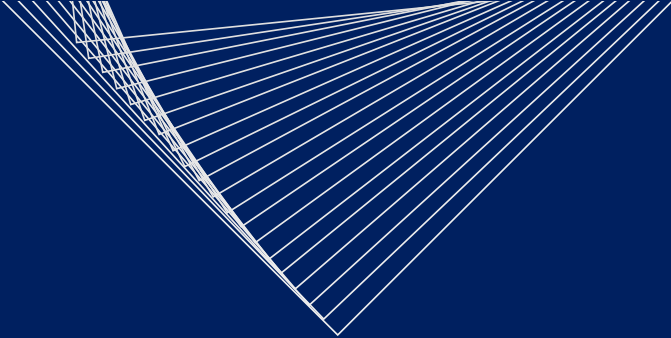
Then we send out the samples to our customer

A large, stylized geometric shape composed of many thin white lines, resembling a diamond or a stylized 'A', framing the central text.

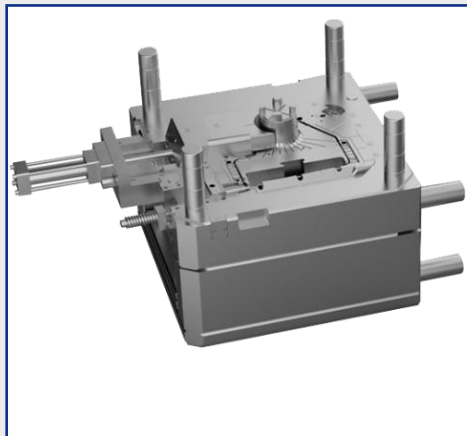
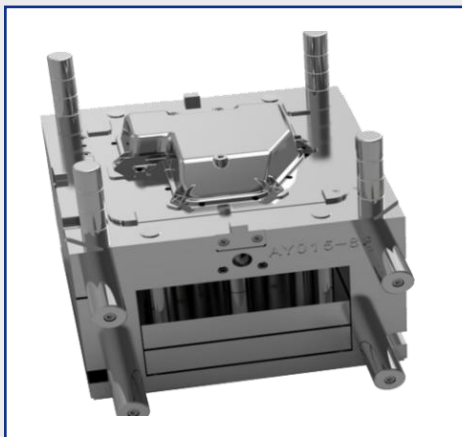
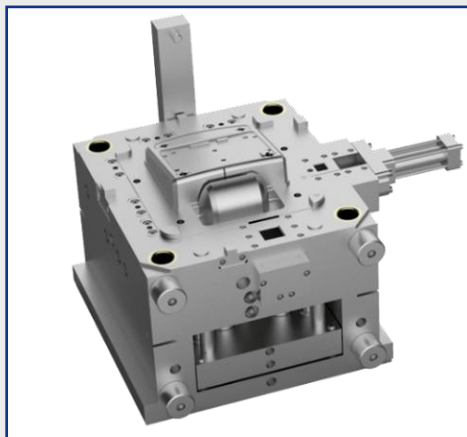
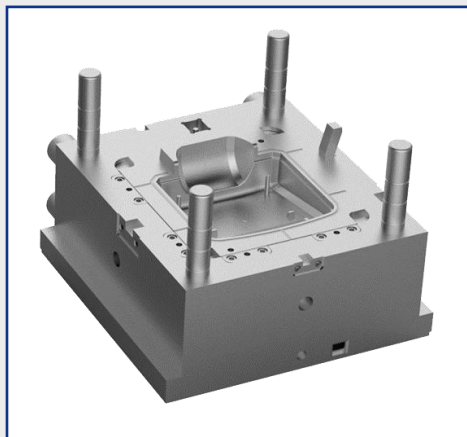
05

PRODUCTS SHOW

Good molds and molded parts to be achieved from
excellent processing control !

A smaller, stylized geometric shape composed of many thin white lines, resembling a diamond or a stylized 'A', located below the main text.

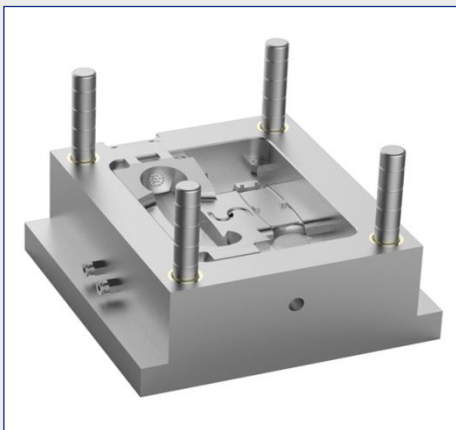
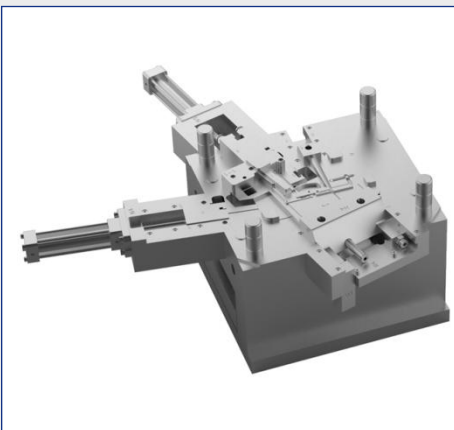
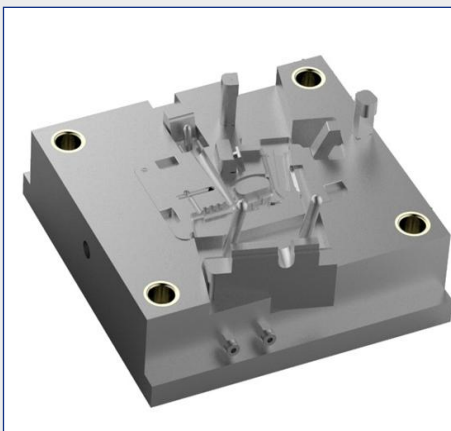
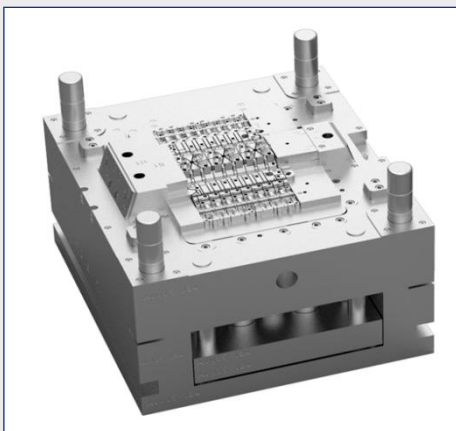
MOLDS FOR AUTOMOTIVE PARTS



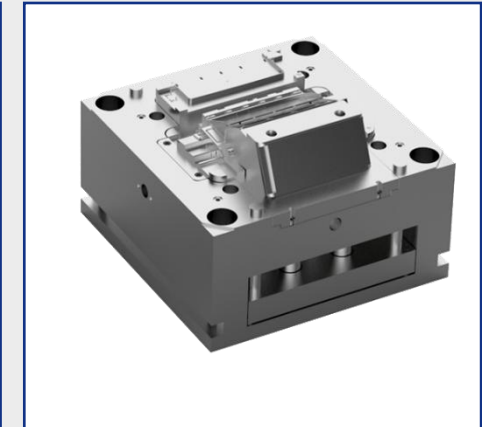
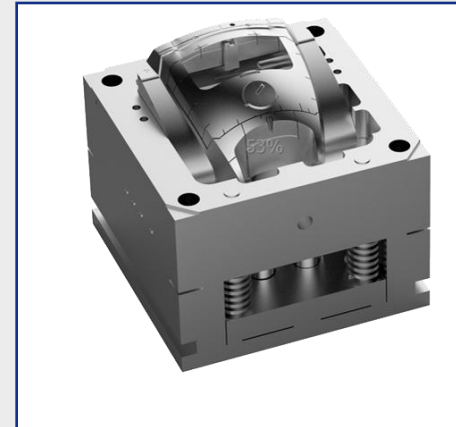
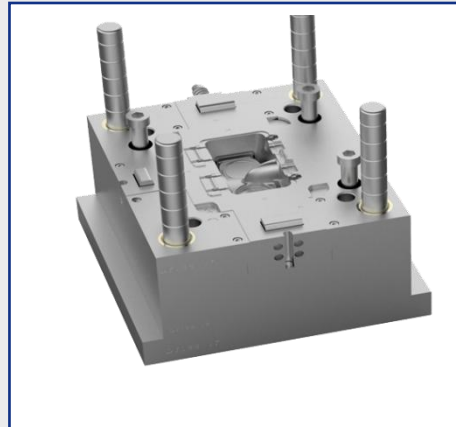
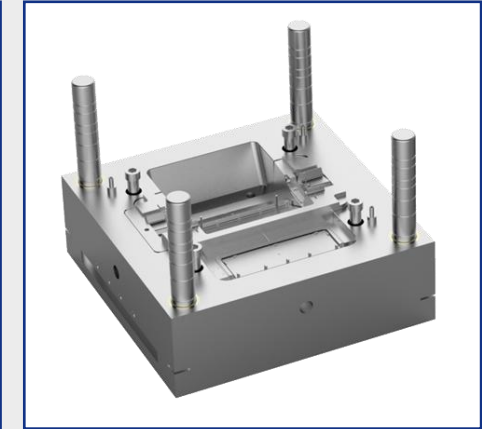
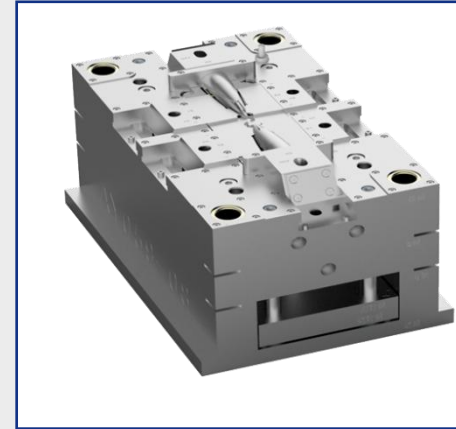
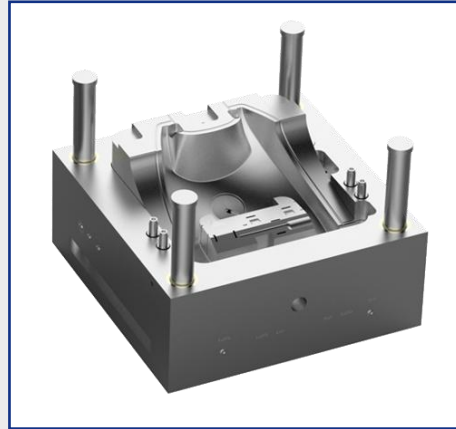
W **ABERY** 爱比瑞



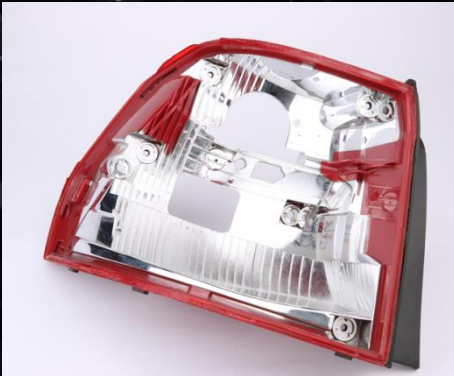
MOLDS FOR PRECISE PARTS



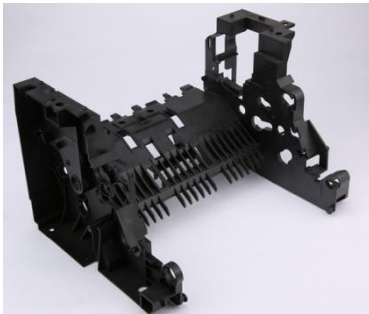
MOLDS FOR MEDICAL PARTS



Automotive molded parts



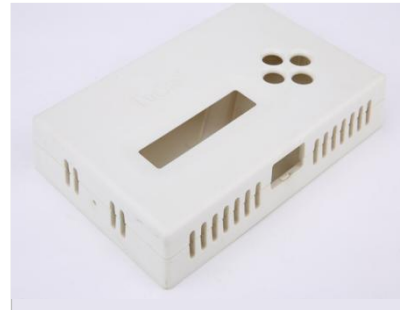
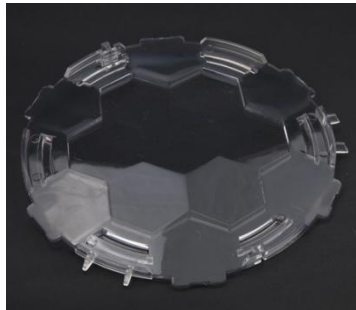
PRECISE MOLDED PARTS



IT IS KNOWN TO ALL THAT CHINESE ECONOMY DEVELOPED SO FAST IN THE LAST FEW DECADES, AS THE LIFE STANDARD IMPROVED GREATLY. A LOT OF FAMILIES GOT RICH AND THEY STARTED TO FIND AMUSEMENT. TRAVEL ABROAD IS FAVORED BY A LOT OF PEOPLE. THEY CAN NOT ONLY SEE DIFFERENT SCENERY, BUT ALSO CAN BUY PRODUCTS WITH FAMOUS BRANDS. BUT THE BAD MANNERS THAT CAUSED BY CHINESE TOURISTS ARE ALWAYS CRITICIZED BY FOREIGN MEDIA. THE MEDIA HAD REPORTED THE IMPOLITE BEHAVIORS OF CHINESE TOURISTS AND WE BELIEVED THAT WE WERE RUDE. BUT THE FACT IS THAT FOREIGN TOURISTS ALSO HAVE THE IMPOLITE ACTS, WHICH ARE ALWAYS IGNORED BY THE MEDIA. AS OUR ECONOMY DEVELOPS SO FAST AND THE WORLD IS WATCHING US, WHAT WE DO IS ENLARGING, SO WE DON'T NEED TO FEEL SAD WHEN WE SEE THE BAD NEWS. BUT WE STILL NEED TO IMPROVE OUR BEHAVIORS.

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MEDICAL MOLDED PARTS





OVERMOLDED PARTS



06
CUSTOMERS

MAIN CUSTOMERS



Our products have coverage throughout European countries & USA . We are waiting for more cooperation with you.



Your reliable partner for injection molds & molded parts !

THANK YOU

Add: 411, Oshute Industrial Park NO.18, Rongxing Road, Pingshan Avenue, Shenzhen. China.
M : +86-13823298852 Email: john@weilaiyin.com Website: www.weilaiyin.com

