



2021

PRESENTATION OF CAMEL DIE LIMITED

“Stable like a CAMEL”



**CUSTOMIZED
PRODUCTION OF
DIE CASTING MOLDS**

ISO 9001:2015 and IATF 16949:2016 Certified Company

Stable, Like a CAMEL



PRESENTATION CONTENTS

- **CAMEL DEVELOPMENT**
- **WHY CHOOSE CAMEL**
- **WORK SHOP AND TEAM (HUIZHOU)**
- **EQUIPMENT LIST**
- **MAIN EQUIPMENTS**
- **DIE CASTING MACHINE FOR TRIAL**
- **DIE CASTING DIES PROJECTS**
- **MOLD PROJECT MANAGEMENT**
- **GLOBAL SHIPMENT**

Until 2021, CAMEL has 4 locations in total, 2 factories for die casting dies and plastic injection molds manufacturing separately, 1 engineering office and 1 sales office, around 140 people in total. 100% for molds export business.



In the Die-casting process, it is the Die that is key for productivity and part quality. Not only precision and dimensional accuracy is needed to efficiently produce high quality castings. Especially in the casting , runner design and heat energy control prove to be essential factors for achieving highest productivity and part quality.

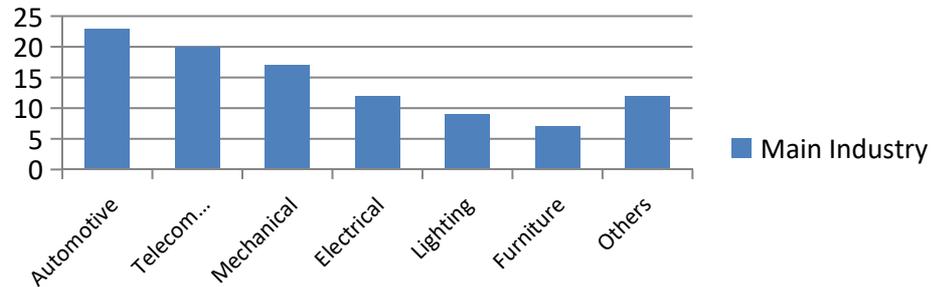
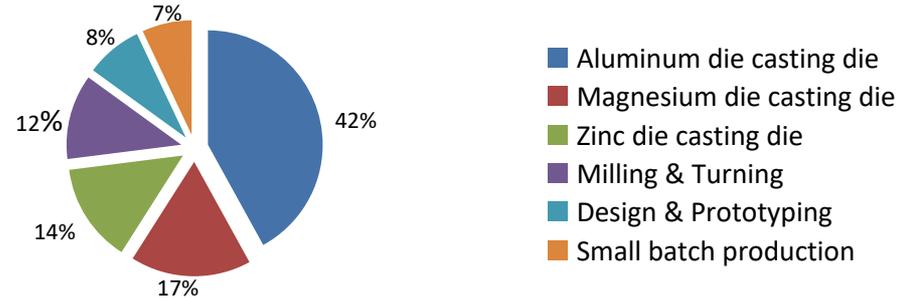
It is the CAMEL's job to develop and build dies that support best-in class cycle-time, part quality and die-life.

❖ CORE BUSINESS:

- Aluminum alloy die casting dies
- Magnesium alloy die casting dies
- Zinc alloy die casting dies
- Milling & Turning.
- Design & Prototyping.
- Small batch production.

❖ MAIN INDUSTRY:

- Automotive
- Telecom equipment
- Mechanical
- Electrical
- Lighting
- Furniture
- Medical instruments





WORK SHOP AND TEAM (HUIZHOU)

Factory Basic Profiles

Workshop Size (m ²)	6,100
Workers Quantity	52
Shifts	2
Mold Designers	6
Mold Fitters	19
Monthly Capacity (sets)	25
Mold Trial Machine Size (T)	500
Mold Trial Machines (Outsourcing)	280T, 350T, 500T, 800T, 1250T, 1650T



Stable, Like a CAMEL



EQUIPMENT LIST

Main Equipments	Brand	Specification	Precision (mm)	Qty. (set)	Remark	X(mm)	Y(mm)	Z(mm)
CNC Machine	NINGQING China	18000 RPM VC-2516G	0.002	1	High Speed	1600	2500	800
	DAHLIH Taiwan	15000 RPM MVC1390	0.005	1	High Speed	1600	2400	750
	DAHLIH Taiwan	15000 RPM MVC1200	0.005	1	High Speed	1300	900	500
	DAHLIH Taiwan	15000 RPM PT-128A	0.005	2	High Speed	1200	900	560
	DAHLIH Taiwan	15000 RPM MVC860	0.005	3	High Speed	800	600	550
	Vitech Taiwan	15000 RPM DV1370	0.005	1	High Speed	700	1300	750
	Vitech Taiwan	6000 RPM DV2013	0.005	1	Heavy cutting machine	2000	1300	800
	Vitech Taiwan	8000 RPM DV1890	0.005	1	Heavy cutting machine	1800	900	750
	QIAOFENG China	8000 RPM VH-1580	0.005	1	Heavy cutting machine	1500	800	800
	JF China	8000 RPM JF1480	0.005	1	Heavy cutting machine	1400	800	800
EDM Machine	DAENAN Korea	DH-700	0.01	1	Mirror EDM	1200	700	500
	DAENAN Korea	DH-500	0.01	1	Mirror EDM	700	500	400
	DAENAN Korea	DH-1400	0.01	1	Mirror EDM	1400	500	500
	DMNC-EDM	ADI-800	0.005	1	Mirror EDM	1800	1000	600
	HSPK-EDM	HG70	0.005	1	Mirror EDM	1400	800	500
Coordinate Measuring Machine	HEXAGON	INSPECTOR CLASSIC 08.10.06	0.001	1	Coordinate Measurement Machine	800	1000	600
	AEH China	Daisy8106	0.001	1	Coordinate Measurement Machine	800	1000	600
Profile Projector	Rational Taiwan	VMS 4030G	0.001	1	profile projector	400	300	250
	HEXAGON	SVM 3030 II	0.001	1	profile projector			
Wire cut Machine	WEIYAO China	AY40	0.01	1		400	320	500
	WEIYAO China	AY50	0.01	1		500	400	500
Grinding Machine	KNET	KT-618	0.01	1	/	/	/	/
	HyFair	HF618SA	0.01	2	/	450	150	300
	HyFair	HFG-5120 AS	0.01	1	/	1460	580	600
	HYF	HYF 450	0.01	6	/	/	/	/
Milling Machine	Joint Taiwan	#4	0.05	4	/	/	/	/
	Fengbao Tiawan	#6	0.05	2	/	/	/	/
Tapping Machine	Jing Zhuan	M3~M16	0.1	1	/	/	/	/
Fitting Machine	NICE China	NC150-1511		2	/	1500	1100	/
Chamfering Machine	Hangzhou China	C0.5~C10	0.1	1	/	/	/	
Die Casting Machine	LK	280Ton		1	available for aluminum and Magnesium			
	Toyo	350Ton		1	available for aluminum			
	Toyo	500Ton		1	available for aluminum and Magnesium			
	LK	800Ton		1	available for aluminum			
	YIZUMI	1250Ton		1	available for aluminum and Magnesium			

The largest machining range of CNC:

X = 1600mm

Y = 2500mm

Z = 800mm

The largest machining range of lifting: 15Ton.



280Ton machine

350Ton machine

500Ton machine



800Ton machine

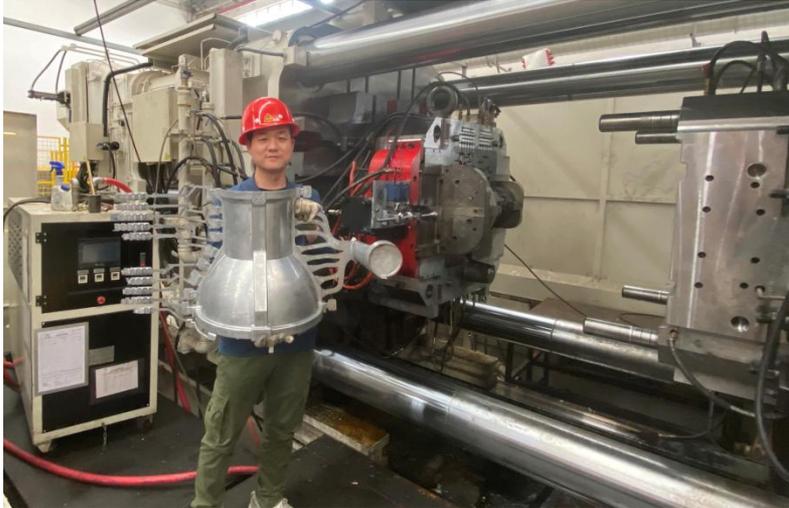


1250Ton machine



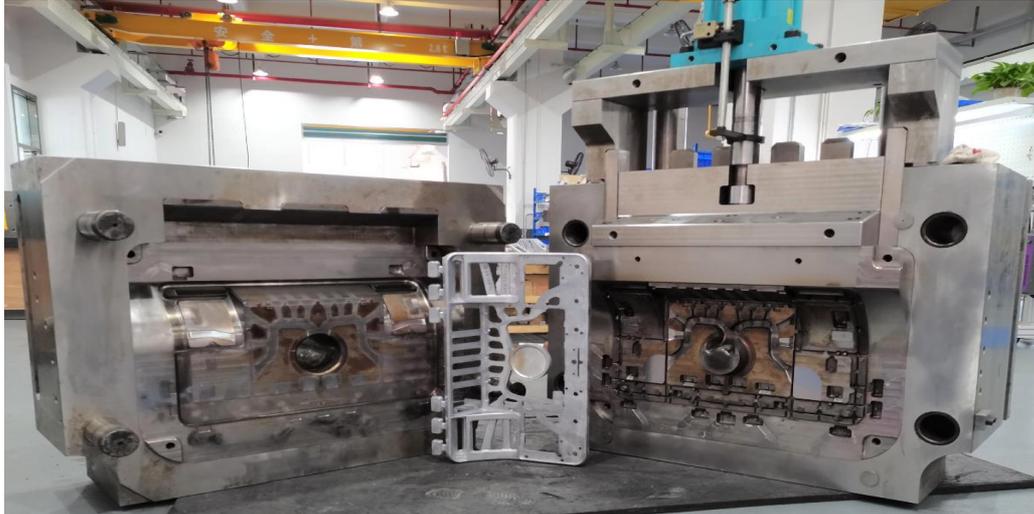
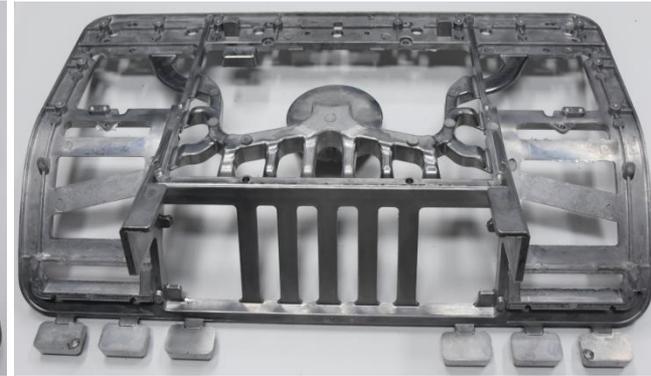
Project Description

Project Number	D604.3
Industry	Lighting
Part Size (mm)	443.97*469.89*243.6
Mold Size (mm)	1180*1050*871
Mold Weight (kg)	1200
Mold Trial Material	A380
Mold Trial Machine Size (T)	1650
Cavity Quantity	1
Slider Quantity	2



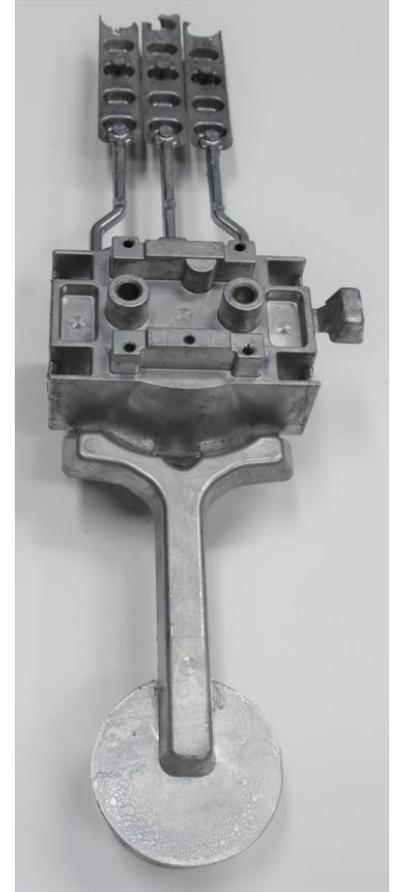
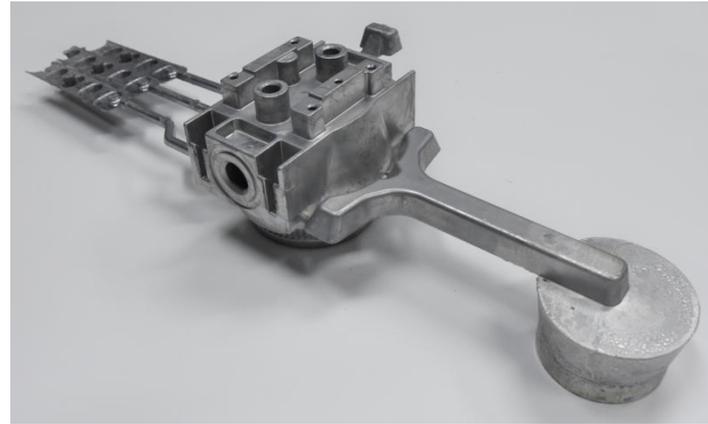
Project Description

Project Number	
Industry	Casino
Part Size (mm)	
Mold Size (mm)	
Mold Weight (kg)	
Mold Trial Material	ADC12
Mold Trial Machine Size (T)	1250
Cavity Quantity	1
Slider Quantity	



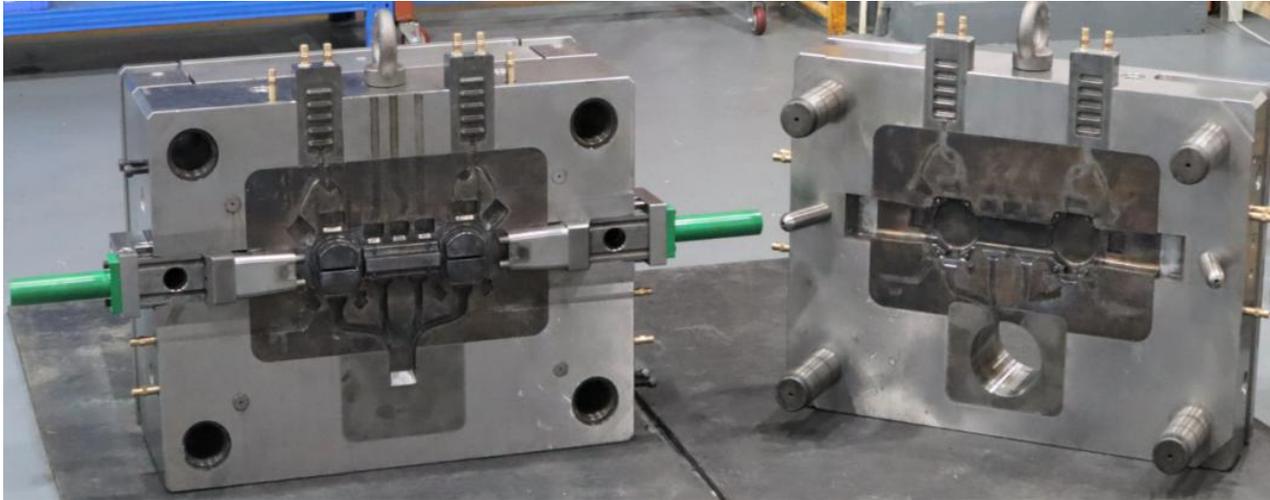
Project Description

Project Number	
Industry	
Part Size (mm)	
Mold Size (mm)	
Mold Weight (kg)	
Mold Trial Material	ADC12
Mold Trial Machine Size (T)	500
Cavity Quantity	1
Slider Quantity	



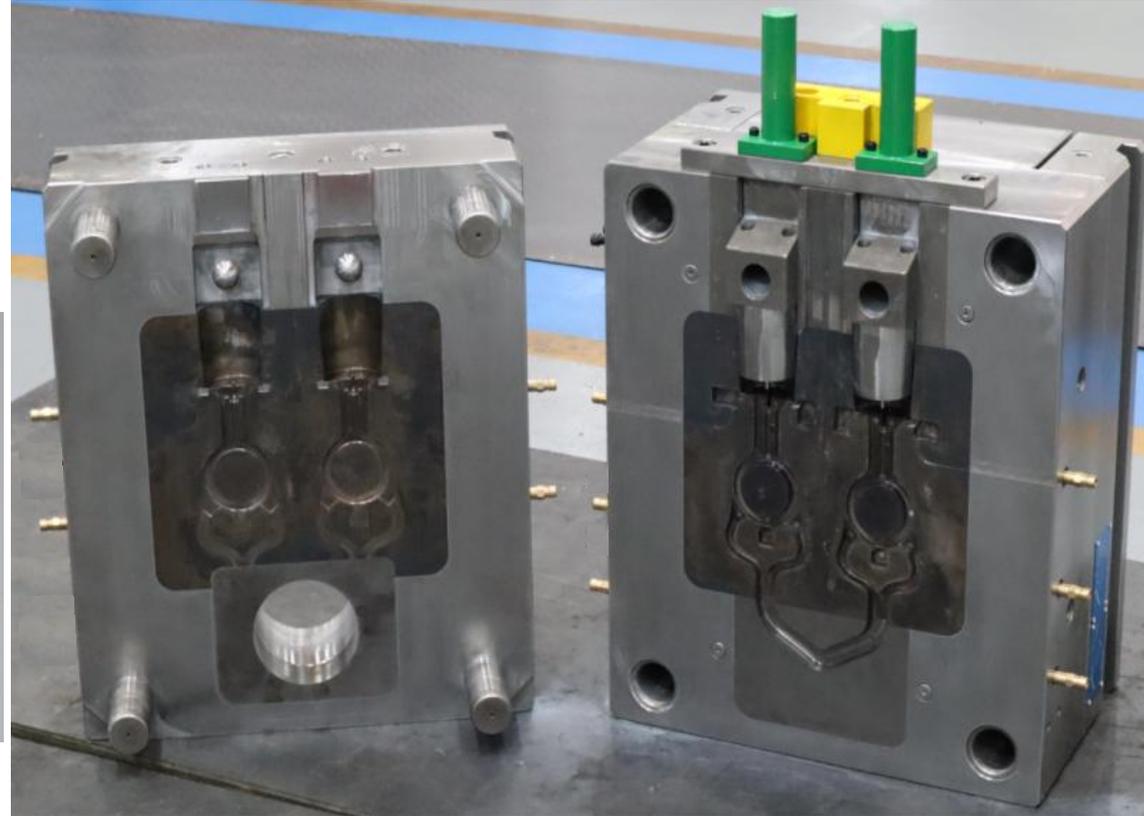
Project Description

Project Number	
Industry	
Part Size (mm)	
Mold Size (mm)	
Mold Weight (kg)	
Mold Trial Material	ADC12
Mold Trial Machine Size (T)	500
Cavity Quantity	1
Slider Quantity	



Project Description

Project Number	
Industry	
Part Size (mm)	
Mold Size (mm)	
Mold Weight (kg)	
Mold Trial Material	ADC12
Mold Trial Machine Size (T)	500
Cavity Quantity	1
Slider Quantity	



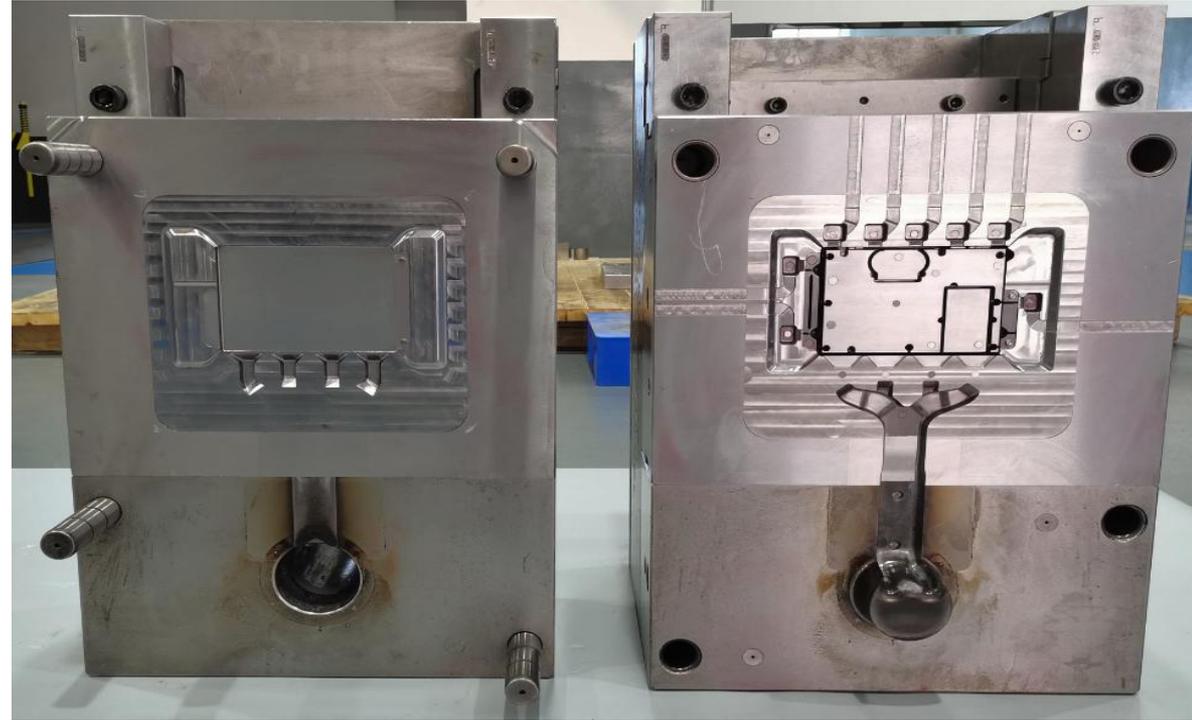
Project Description

Project Number	
Industry	
Part Size (mm)	
Mold Size (mm)	
Mold Weight (kg)	
Mold Trial Material	ADC12
Mold Trial Machine Size (T)	500
Cavity Quantity	1
Slider Quantity	



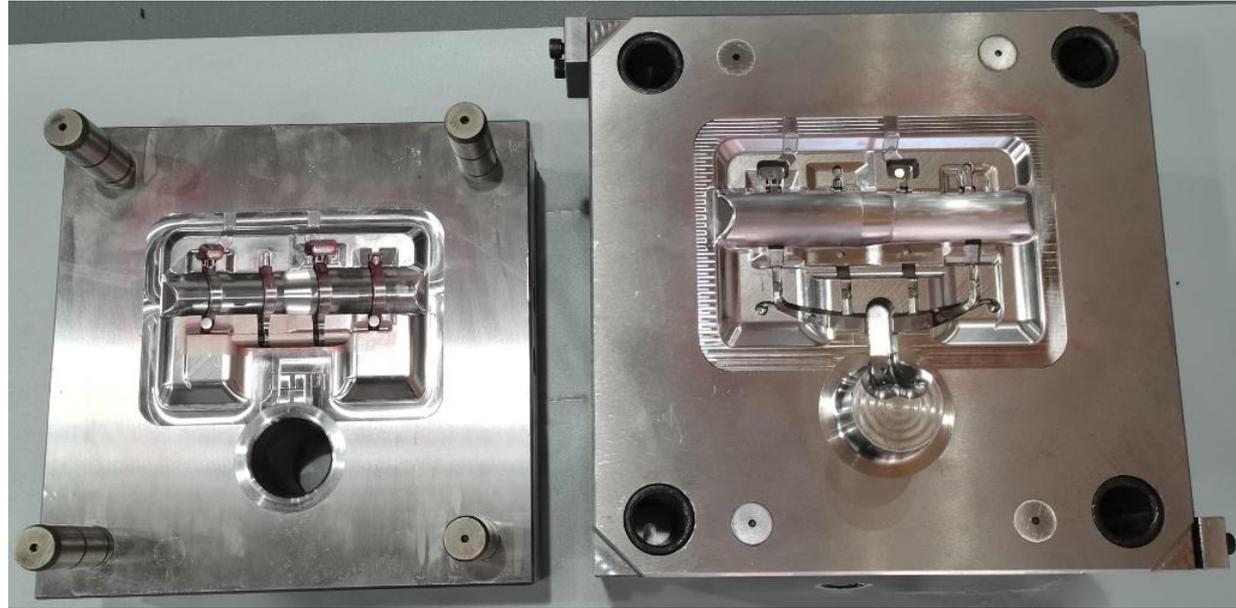
Project Description

Project Number	
Industry	
Part Size (mm)	
Mold Size (mm)	
Mold Weight (kg)	
Mold Trial Material	ADC12
Mold Trial Machine Size (T)	400
Cavity Quantity	1
Slider Quantity	



Project Description

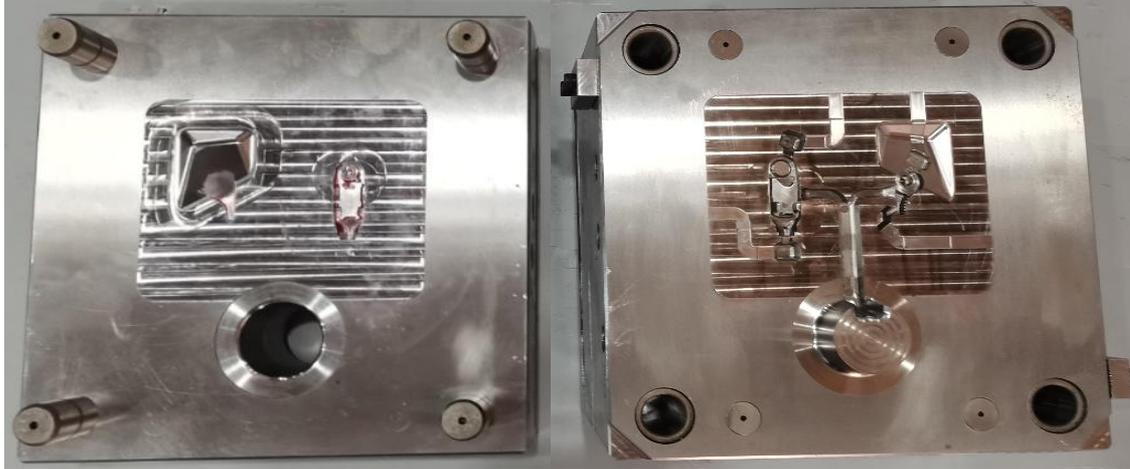
Project Number	
Industry	
Part Size (mm)	
Mold Size (mm)	
Mold Weight (kg)	
Mold Trial Material	ADC12
Mold Trial Machine Size (T)	280
Cavity Quantity	1
Slider Quantity	



Project Description

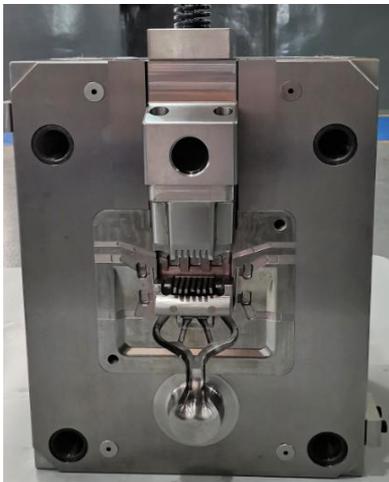
Project Number	
Industry	
Part Size (mm)	
Mold Size (mm)	
Mold Weight (kg)	
Mold Trial Material	ADC12
Mold Trial Machine Size (T)	280
Cavity Quantity	1
Slider Quantity	

全水口产品照片（若干）



Project Description

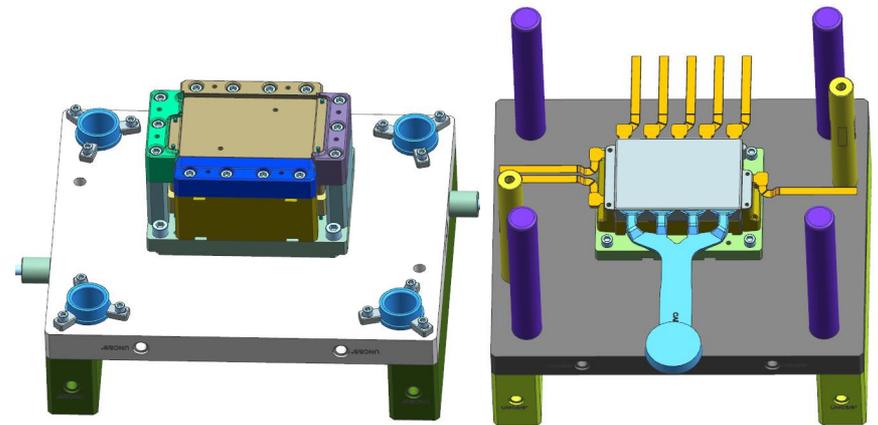
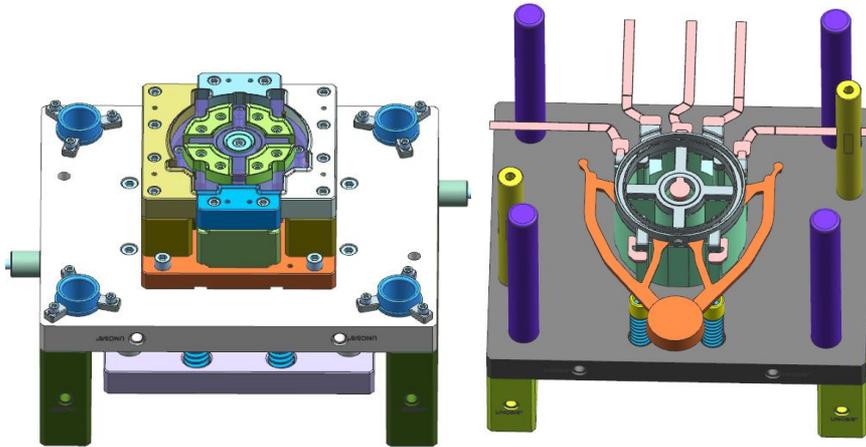
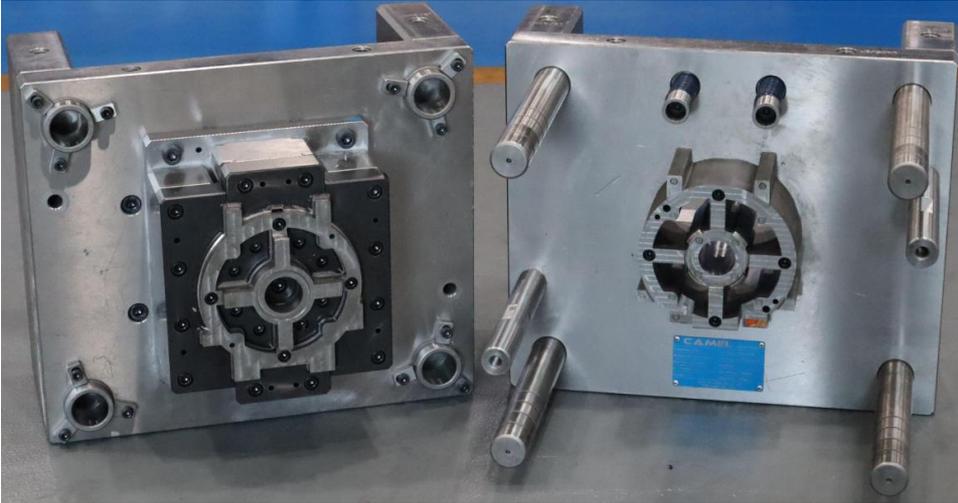
Project Number	
Industry	
Part Size (mm)	
Mold Size (mm)	
Mold Weight (kg)	
Mold Trial Material	AZ91D
Mold Trial Machine Size (T)	500
Cavity Quantity	1
Slider Quantity	



Project Description

Project Number	
Industry	
Part Size (mm)	
Mold Size (mm)	
Mold Weight (kg)	
Mold Trial Material	Zamak 3#
Mold Trial Machine Size (T)	400
Cavity Quantity	1
Slider Quantity	







MOLD PROJECT MANAGEMENT

Here is an example from an automotive mold project we did for Volkswagen to show you each step of our project management system.

24 steps of our project management system and tight communication with our customers:

1. RFQ
2. Quote (24H)
3. Purchasing Order
4. Order Preliminary Review
5. DFM (2 days)
6. Mold-flow Analysis (24H)
7. Final Mold Structure Review
8. DFM & MF Approved by Customer
9. Mold Design (3-4 days)
10. Design Review
11. Mold Design Approved by Customer
12. Manufacturing Review
13. Purchasing Steel (BOM)
14. Weekly Schedule (Every Monday)
15. Manufacturing
16. Weekly Project Tracker (Every Thursday)
17. Mold Trial
18. Inspecting parts – FAI Report
19. Trial Report and Solution
20. Parts Shipment
21. Parts Approved by Customer
22. Mold Checking
23. Mold Shipment
24. Confirm Feedback from Customer

HERE IS OUR PROMISE: During the mold building process, all details will be reported to clients honestly and timely!

Please point and click this link for more details: <https://www.cameldie.com/auto-cases>

MOLD PROJECT MANAGEMENT

- 1) RFQ. Quote information:
 - a) 2D/3D part data.
 - b) Cavity.
 - c) Steel.
 - d) Die casting machine.

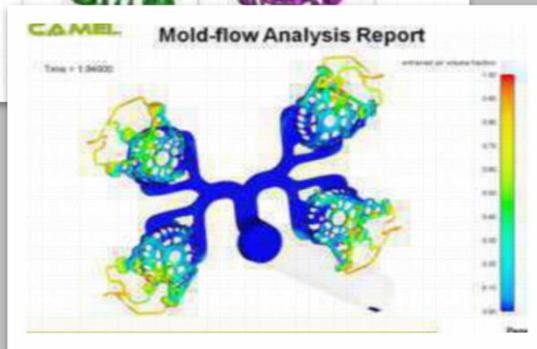
2) **Quote (24H)**. We send quotations within 24 hours after receiving a detailed RFQ, with cost analysis.

3) **Purchasing Order**. We send the invoice and estimated DFM date within 24 hours after receiving the PO.

4) **Order Preliminary Review**. CAMEL orders a preliminary review to guarantee all the information is correct.

5) **Part Analysis (2 days)**. CAMEL shows the mold layout, casting parting line, gate and overflow, ejection and some potential concerns etc. in the part analysis report.

6) **Mold-flow Analysis (24H)**. We do the mold flow analysis to analyze the surface quality, **temperature**, filling velocity, air venting, porosity defects and **mold temperature**.



MOLD PROJECT MANAGEMENT

7) **Final Mold Structure Review.** CAMEL does the mold structure reviews to ensure the mold structure rationality.

8) **DFM & MF Approved by Customer.** We do the mold design according to DFM feedback, mold-flow analysis results and provides the **final** mold structure review.

9) **Mold Design.** We provide the mold design within 3-4 days (STP or X-T format).

10) **Design Review.** CAMEL does the design review to ensure all requirements are completed correctly before sending the mold design to our customer.

11) **Mold Design Approved by Customer.** Customer confirms the mold design and approval to purchase the steel and begin steel cutting.

12) **Manufacturing Review.** CAMEL does the full manufacturing review to arrange each process effectively to ensure the time frame our customers require.

13) **Purchasing Steel (BOM).** We purchase the steel only after getting the mold design approved from our customer.

CAMEL Final Mold Structure Review

CAMEL Design Review

CAMEL Manufacturing Review

CAMEL BOM

NO	Part Name	Part number	Size	Material	Qty	Remark	Price	Supplier
1	A plate	M001	880*720*170	S50C	1			
2	B plate	M002	880*720*100	S50C	1			
3	Rat	M003	510*88*100	S50C	1			
4	Rat	M004	880*103*100	S50C	1			
5	Rat	M005	510*88*150	S50C	1			
6	Rat	M006	880*103*150	S50C	1			
7	Ejector plate	M007	700*510*30	S50C	1			
8	Ejector returner plate	M008	700*510*25	P20	1			
9	Liftup bar	M009	120*100*470	P20	1			
10	Support pillar	M010	470*150	S50C	4			
11	Support pillar	M011	480*150	S50C	4			
12	Stop button	M012	450*25	S50C	6			
13	Safety strap	M013	25*10*55	S50C	2			
14	Cavity	A001	270*270*98.4	S407	1	HRC45-48		ASSAB
15	Cavity	A002	270*270*95.1	S407	1	HRC45-48		ASSAB
16	Cavity	A003	270*270*98.4	S407	1	HRC45-48		ASSAB

MOLD PROJECT MANAGEMENT

14) Weekly Schedule (Every Monday). We provide the mold schedule within 24 hours and send updates with photos every Monday.

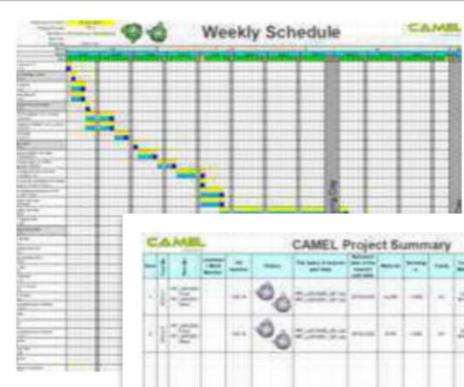
15) Manufacturing. We arrange each step of the process reasonably and timely.

16) Weekly Project Tracker (Every Thursday). We keep track of the mold status and send updates to our customer every Thursday.

17) Mold Trial. CAMEL provides a trial report and video clip within 24 hours after completing the trial.

18) FAI Report. CAMEL provides the FAI report within 72 hours after finishing the trial.

19) Trial Review And Solution. Our team provides solid solutions if needed.



Weekly Schedule

CAMEL

A Gantt chart showing a project schedule with tasks represented by colored bars (green, yellow, blue) on a grid. The tasks are arranged in a descending staircase pattern from top-left to bottom-right.



CAMEL Project Summary

Item	Part No.	Material	Qty	Unit	Cost	Lead	Start	End	Status	Notes
1	1000000000	ALUMINUM	1000	PCS	1000	10	10/10/2010	10/10/2010	OK	
2	1000000000	ALUMINUM	1000	PCS	1000	10	10/10/2010	10/10/2010	OK	



Mold Trial Report

Machine	Part No.	Material	Qty	Unit	Cost	Lead	Start	End	Status	Notes
100	1000000000	ALUMINUM	1000	PCS	1000	10	10/10/2010	10/10/2010	OK	

Mold parameter

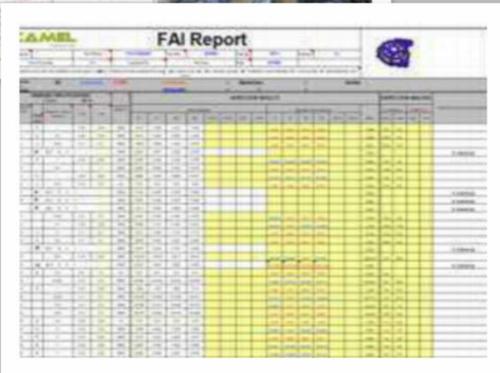
Machine	100
Part No.	1000000000
Material	ALUMINUM
Qty	1000
Unit	PCS
Cost	1000
Lead	10
Start	10/10/2010
End	10/10/2010
Status	OK
Notes	

Die-casting parameter

Machine	100
Part No.	1000000000
Material	ALUMINUM
Qty	1000
Unit	PCS
Cost	1000
Lead	10
Start	10/10/2010
End	10/10/2010
Status	OK
Notes	



Two photographs showing the mold trial results. The top photo shows a complex, multi-ported metal casting. The bottom photo shows a similar casting with a different finish or detail.



FAI Report

Item	Part No.	Material	Qty	Unit	Cost	Lead	Start	End	Status	Notes
1	1000000000	ALUMINUM	1000	PCS	1000	10	10/10/2010	10/10/2010	OK	
2	1000000000	ALUMINUM	1000	PCS	1000	10	10/10/2010	10/10/2010	OK	

MOLD PROJECT MANAGEMENT

CAMEL Trial Review

Customer	Project No.	Project Stage
Department	<input type="checkbox"/> Project Approval <input type="checkbox"/> Design Approval <input type="checkbox"/> Manufacturing Approval <input type="checkbox"/> Mfg. <input type="checkbox"/> Sales Approval	
Model		Date

Item Name: _____
Is the mold being purchased? Yes No
Have the mold samples provided to the appropriate project control support? Yes No



CAMEL Casting Mold Check list

Customer: _____ Project No.: _____
Project Name: _____ Part No.: _____
Mold No.: _____ Date: _____

Checklist items (1-14) with checkboxes and a table for tracking completion (Yes/No/Not).



20) Parts Shipment. We send out samples within 24 hours as per our customers' requirements.

21) Parts Approves by Customer. Customer confirms the sample and approval to ship out mold.

22) Mold Checking. Our engineers check each mold to ensure all the mold requirements are completed correctly.

23) Mold Shipment. CAMEL sends photos with each mold shipment within 24 hours of the mold being shipped and follows the transportation progress until the mold reaches our customer.

24) Confirm Feedback From Customer. CAMEL regularly follows up with our customers to ensure the mold is running smoothly during production.

Our shipping forward could provide global shipping service by agencies in different seaports of Europe, Australia and North America.



Molds to Customers

To North America

By air: 3-5 days by TNT, DHL, UPS, FedEx
By ocean: 25 days to LA, then extra 6 days by inland transportation.

To Europe

By air: 3-5 days by TNT, DHL, UPS, FedEx
By train: 15 days
By ocean: 27 days to seaport, then extra 6 days by inland transportation.

Parts to Customers

To North America

By air: 3-5 days by TNT, DHL, UPS, FedEx
By ocean: 25 days to LA, then extra 5 days by inland transportation.

To Europe

By air: 3-5 days by TNT, DHL, UPS, FedEx
By ocean: 27 days to seaport, then extra 5 days by inland transportation.



Please contact with us for a FREE part analysis and quote

CAMEL DIE LIMITED

➤ CHINA Headquarters

Add: No. 311, Chengtou Business Building,
Qinglin W. Road, Shenzhen, CHINA 518172
Tel: +86(0)755 8344 0917
Email: sales@cameldie.com

➤ U.S. Sales Contact

Add: Nashville, TN 37211 USA
Tel: +1 615 968 3002
Email: sales@cameldie.com



Scan for company website



Stable, Like a CAMEL