

AUTOMOTIVE | INJECTION MOULDS COMPONENTS | CASE STUDIES

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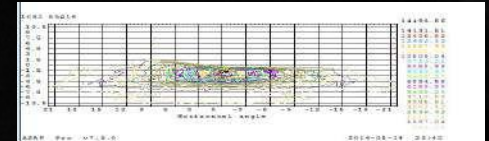
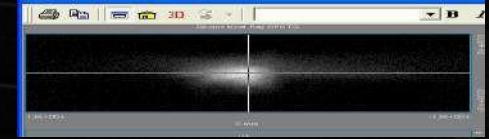
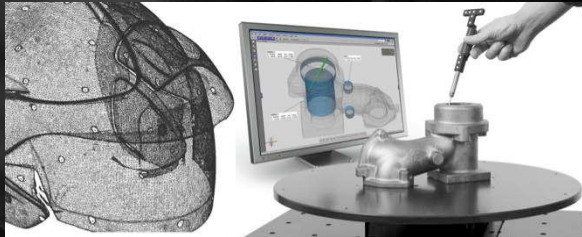
HONGYI JIG Rapid Technologies Co., Ltd.



CAD & ANALYSIS

PRE-MANUFACTURING ENGINEERING

- White light scanning
- 3D Modeling/Class A surfacing
- Optical Analyses for lenses
- Focus Analyses for Reflectors
- Calibration
- Real time prototypes for CAD validation including standardized chrome plating



75L:	.10657648	---	12	PASSED
B5BL:	.817072293	---	0.4	PASSED
75R:	10.8671262	12	---	PASSED
5BU:	8.60711288	6	---	PASSED
5BL:	1.31805658	---	15	PASSED
5BR:	33.1547737	12	---	PASSED
25L:	8.54940366	2	---	PASSED
25R:	8.20076513	2	---	PASSED
T1:	.110116699	0.1	---	PASSED
T2:	.100033558	0.1	---	PASSED
T3:	.119216135	0.1	---	PASSED
T4:	.123408946	0.2	---	PASSED
T5:	.280350661	0.2	---	PASSED
T6:	.229391573	0.2	---	PASSED
T7:	.110001909	0.1	0.7	PASSED
T8:	.283592403	0.2	0.7	PASSED

AUTOMOTIVE PARTS | INJECTION MOULDS DEVELOPMENT



HEAD LAMP

SPLENDOR (MOTOR BIKE)

MOULD TYPE	TWO PLATE / INJECTION
RUNNER TYPE	COLD RUNNER
MOULD LIFE	1.0 MILLION SHOTS
MOULD MATERIAL	S136
LEAD TIME	45 DAYS
PART MATERIAL	PC
MACHINE TONNAGE	180 TN



AUTOMOTIVE | INJECTION MOULDS
PARTS | DEVELOPMENT



HEAD LAMP

PASSION PRO (MOTOR BIKE)



MOULD TYPE	TWO PLATE / INJECTION
RUNNER TYPE	COLD RUNNER
MOULD LIFE	1.0 MILLION SHOTS
MOULD MATERIAL	718 H
LEAD TIME	45 DAYS
PART MATERIAL	PC/ABS
MOULDING MACHINE	180 TN

AUTOMOTIVE | INJECTION MOULDS
PARTS | DEVELOPMENT



HEAD LAMP

TVS TAIL LIGHT (MOTOR BIKE)

MOULD TYPE	TWO PLATE / INJECTION
RUNNER TYPE	COLD RUNNER
MOULD LIFE	0.6 MILLION SHOTS
MOULD MATERIAL	P 20
LEAD TIME	35 DAYS
PART MATERIAL	PP
MOULDING TONNAGE	180 TN



AUTOMOTIVE | INJECTION MOULDS
PARTS | DEVELOPMENT



HEAD LAMP

PLATINA (MOTOR BIKE)

MOULD TYPE	TWO PLATE / INJECTION
RUNNER TYPE	COLD RUNNER
MOULD LIFE	1.0 MILLION SHOTS
MOULD MATERIAL	718 H
LEAD TIME	45 DAYS
PART MATERIAL	PC/ABS
MOULDING TONNAGE	180 TN



AUTOMOTIVE | INJECTION MOULDS
PARTS | DEVELOPMENT



HEAD LENS

VOLKSWAGEN (HEAD LIGHT GLASS)



MOULD TYPE	INDEXIBLE CORE ROTATION
RUNNER TYPE	COLD RUNNER
MOULD LIFE	1.0 MILLION SHOTS
MOULD MATERIAL	S136
LEAD TIME	45 DAYS
PART MATERIAL	PC / PC
MOULDING TONNAGE	400 TN / DOUBLE BARREL

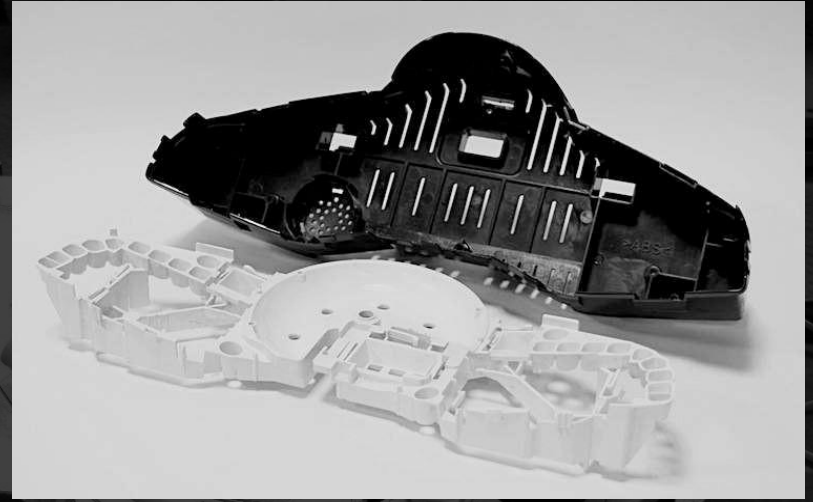
AUTOMOTIVE PARTS | INJECTION MOULDS DEVELOPMENT



HEAD LAMP

SPEEDO METER ENCLOSURE

MOULD TYPE	TWO PLATE / INJECTION
RUNNER TYPE	HOT RUNNER
MOULD LIFE	1.0 MILLION SHOTS
MOULD MATERIAL	S136
LEAD TIME	55 DAYS
PART MATERIAL	PBT/ABS
MOULDING TONNAGE	220 TN



AUTOMOTIVE | INJECTION MOULDS
PARTS | DEVELOPMENT



MUD GUARD

SUPER SPLENDOR

MOULD TYPE	TWO PLATE / INJECTION
RUNNER TYPE	COLD RUNNER
MOULD LIFE	1.0 MILLION SHOTS
MOULD MATERIAL	P 20
LEAD TIME	45 DAYS
PART MATERIAL	PP
MOULDING TONNAGE	550 TN



AUTOMOTIVE | INJECTION MOULDS
PARTS | DEVELOPMENT



TAIL LIGHT

CHERY (CAR)

MOULD TYPE	TWO PLATE INJECTION
RUNNER TYPE	HOT RUNNER
MOULD LIFE	1.0 MILLION SHOTS
MOULD MATERIAL	S136
LEAD TIME	65 DAYS
PART MATERIAL	PC/ABS
MOULDING TONNAGE	300TN



AUTOMOTIVE | INJECTION MOULDS
PARTS | DEVELOPMENT



TAIL LIGHT LENS

CHERY (CAR)

MOULD TYPE	ROTATIONAL OVER MOULDING
RUNNER TYPE	HOT RUNNER
MOULD LIFE	1.0 MILLION SHOTS
MOULD MATERIAL	S136
LEAD TIME	65 DAYS
PART MATERIAL	PC
MOULDING MACHINE	400 TN / CORE ROTATIONAL, DOUBLE BARREL



AUTOMOTIVE | INJECTION MOULDS
PARTS | DEVELOPMENT



HEAD LAMP

BRILLIANCE (CAR)



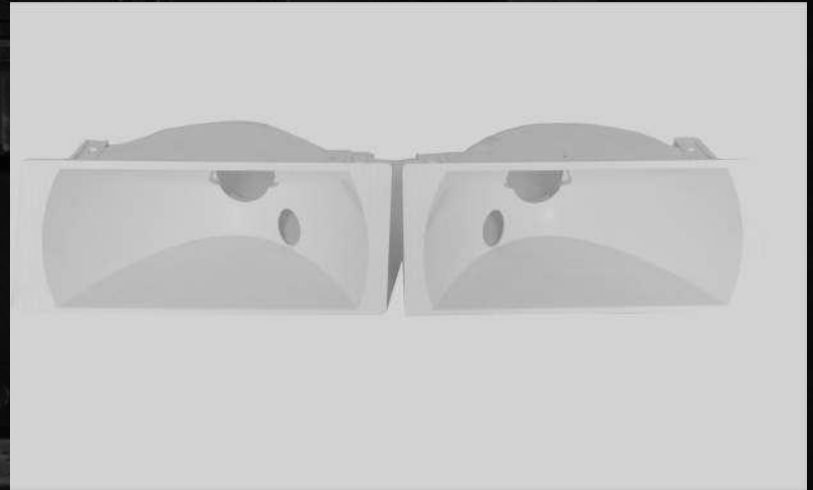
MOULD TYPE	TWO PLATE / INJECTION
RUNNER TYPE	COLD RUNNER
MOULD LIFE	1.0 MILLION SHOTS
MOULD MATERIAL	S136
LEAD TIME	65 DAYS
PART MATERIAL	PC
MOULDING MACHINE	400 TN

AUTOMOTIVE | INJECTION MOULDS
PARTS | DEVELOPMENT



HEAD LAMP

AUTOMOTIVE



MOULD TYPE TWO PLATE / INJECTION
RUNNER TYPE HOT RUNNER
MOULD LIFE 1.0 MILLION SHOTS
MOULD MATERIAL S136
LEAD TIME 55 DAYS
PART MATERIAL PC
MOULDING MACHINE 200 TN

AUTOMOTIVE | INJECTION MOULDS
PARTS | DEVELOPMENT



REAR MIRROR

TVS (AUTO)

MOULD TYPE	TWO PLATE / INJECTION
RUNNER TYPE	COLD RUNNER
MOULD LIFE	1.0 MILLION SHOTS
MOULD MATERIAL	P 20
LEAD TIME	55 DAYS
PART MATERIAL	ABS
MOULDING MACHINE	180 TN



AUTOMOTIVE PARTS | INJECTION MOULDS DEVELOPMENT



LENS

TVS (AUTO)

MOULD TYPE	TWO PLATE / INJECTION
RUNNER TYPE	COLD RUNNER
MOULD LIFE	1.0 MILLION SHOTS
MOULD MATERIAL	S136
LEAD TIME	45 DAYS
PART MATERIAL	PC
MOULDING MACHINE	180 TN



AUTOMOTIVE | INJECTION MOULDS
PARTS | DEVELOPMENT



HEAD LAMP

ACTIVA (SCOOTER)



MOULD TYPE	TWO PLATE / INJECTION
RUNNER TYPE	COLD RUNNER
MOULD LIFE	1.0 MILLION SHOTS
MOULD MATERIAL	S136
LEAD TIME	45 DAYS
PART MATERIAL	PC/ABS
MOULDING MACHINE	180 TN

AUTOMOTIVE | INJECTION MOULDS
PARTS | DEVELOPMENT



Speedo Meter

YAMAHA FZ

MOULD TYPE	TWO PLATE / INJECTION MOULD
RUNNER TYPE	COLD RUNNER
MOULD LIFE	1.0 MILLION SHOTS P20
MOULD MATERIAL	P20
LEAD TIME	45 DAYS
PART MATERIAL	PP
MOULDING MACHINE	INJECTION MOULDING



AUTOMOTIVE | INJECTION MOULDS
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Part Design

Either from client or can be offered by Hongyi JIG

Product Design . Reverse Engineering

Part Design Check (DFM). Engineering Check . Manufacturability
Parting line . Gating etc.

Tool Design

4-8 Working Days

Over an Interactive meeting, Tool design refinements can be made
considering the mold life. maintenance cost & ease of assembly and
infrastructure available at client's workshop

Tool Manufacturing

Lead Time We ensure the T-1 lead time to be maintained as on agreement
along with
the inspection reports for critical dimensions

Deliveries and Shipment

Can be made Ex Works . FOB . CIF . Or landed & taxes paid to your
workshop

Project Management

Weekly updates for manufacturing progress
Manufacturing pictures
Trial Videos
Trial inspection reports Moulding parameter
reports



THANK YOU | WE CONSTANTLY STRIVE TO
BRING THE RIGHT CURVE ON
YOUR FACE

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HONGYI **JIG** Rapid Technologies Co., Ltd.

