



3D CONCEPT TOOLING PVT. LTD.

Die Casting Tooling Solutions Under One Roof

Skill, Capability and Facilities

October 2014



- MOULDS AND DIES

HPDC

LPDC

GDC

CORE BOX

JIGS & FIXTURE

Spl Castings

SPM

COMPOSITE

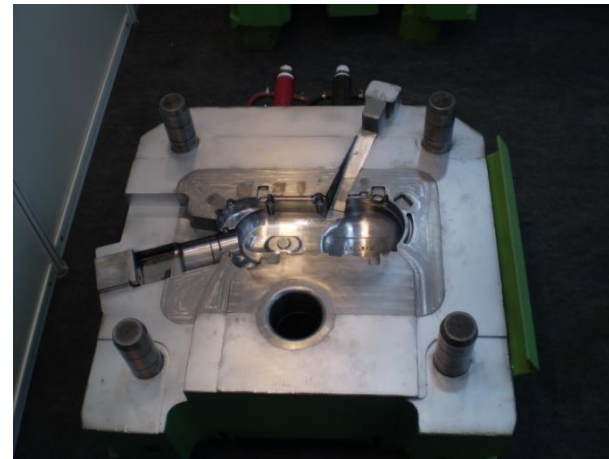
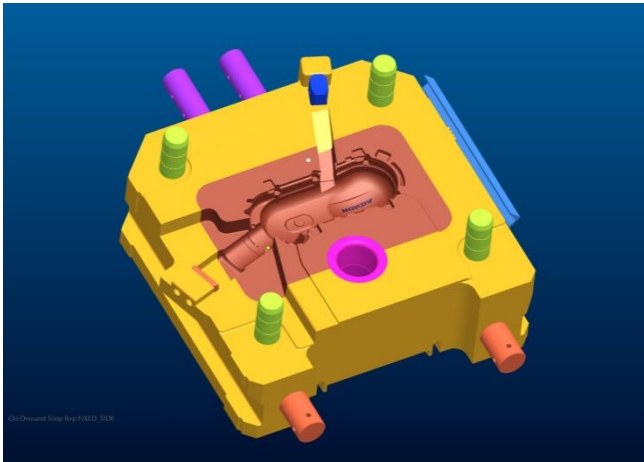
- PARTS AND COMPONENTS

- CASTING
- SHEET METAL
- PLASTIC INJECTION PARTS
- PRECISION MACHINING
- GLASS FIBRE REINFORCED PLASTIC (GFRP)



3D CONCEPT TOOLING PVT. LTD.

Die Casting Tooling Solutions Under One Roof



- Over 2 decades of tool and die design and manufacturing experience
 - ISO 9001 : 2008 certified since 2002
 - HPDC, LPDC and GDC Dies ranging from 250 tonnes to 3000 tonnes
 - Over 65 highly skilled engineers and tool makers
 - Annual turnover of 100 million INR
 - State of the art infrastructure including high end CNC Machining centres
- Latest soft wares including DELCAM. Pro - E



TOOL ROOM MACHINES
PRODIS PDC-1060S



LEADWELL V-40



TAKUMI SEIKI



WELE TOYODA DOUBLE COLUMN



MACHINES



CASTING



TOOL ROOM MACHINES

MACHINES	TRAVERSE	Qty
WELE DOUBLE COLUMN MACHINING CENTER	2200 x 1600 x 900	1
LEAD WELL CNC machining Center	1200 x 600 x 600	1
DECKEL MAHO 63 V machining Center	630 x 510 x 510	3
PRODIS 1060 S HIGH SPEED MACHINING CENTER	1260 x 650 x 650	1
TAKUMI SEIKI V12 HIGH SPEED M/ CENTER	1260 x 660 x 650	1
OKK High Speed VMC	560 x 410 x 410	1
KAFO CNC COPY MACHINING CENTER	1000 x 500 x 500	1
OSCAR MAX CNC EDM	600 x 500 x 500	3
OSCAR MAX ZNC EDM	1300 x 1100 x 600	1
ELECTRONICA EDM	500 x 400 x 300	3
BFW Universal milling		1
MANFORD Tool room milling with DRO	700 x 300 x 400	3
MAGERLE Precision Surface Grinder	1600 x 650 x 400	1
Precision Surface Grinder	600 x 250 x 400	1
ESTEEM RADIAL DRILLING MACHINE DIA 60mm		1
OERLIKON Tool room radial drilling		1
KAIZER SCREW COMPRESSOR		1
NOTE: IN ADDITION WE HAVE RADIAL DRILLING M/C, TOOL ROOM DRILLING BENCH, PNEUMATIC GRINDERS, AIR COMPRESSOR, HEAVY-DUTY CRANE, DIESEL GENERATOR, SUPPORT ELEMENTS SUCH AS VICES, BORING BARS AND SOLID CARBIDE CUTTING TOOLS.		





LEASED MACHINERY

CNC MILLING	LEADWELL	2500 X 1000 X 800
	DECKEL MAHO 63V	630 X 500 X 500
	MAKINO FX650	650 X 400 X 400
	MAKINO RMC55	600 X 320 X 400
	MAKINO MAX 700	650 X 450 X 400
CNC TURN	STC 25 HMT	DIA 500 X 1000
	MAKINO INDEX	DIA600X1200
CNC EDM	MAKINO EDNC64	
	MAKINO EDNC32	
CNC CMM	CARL ZEISS CNC CMM	
	WINZER	

HEAVY DUTY

BURKHARDT WEBBER CNC DBL COLUMN	3600 X 2750 X 1000
BURKHARDT WEBBER CNC DBL COLUMN	4000 X 3000 X 1000
DRUP & REIHN Floor boring	6000 X 4000 X 4000
WMW Surface grinding	4000 X 1000 X 1000
UNION Cylindrical grinding	φ750 X 3000



SOFTWARES

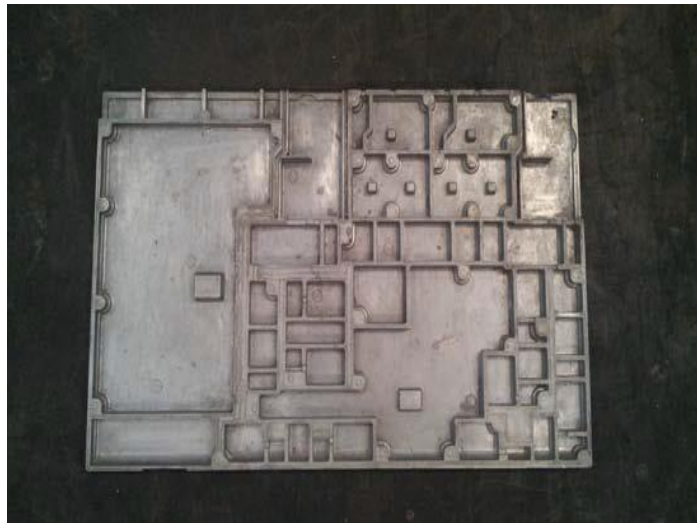
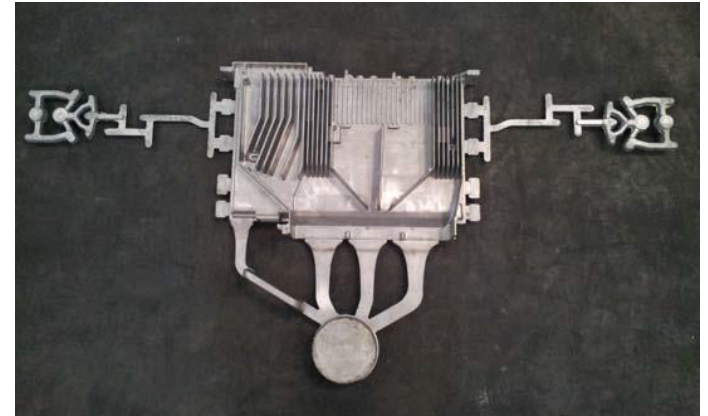
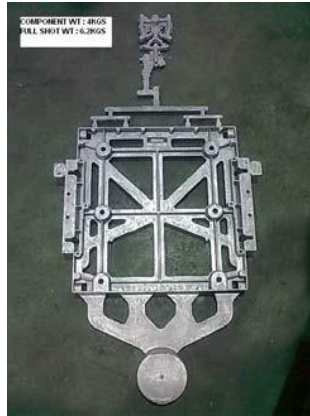


AutoCAD

creo elements/**pro**

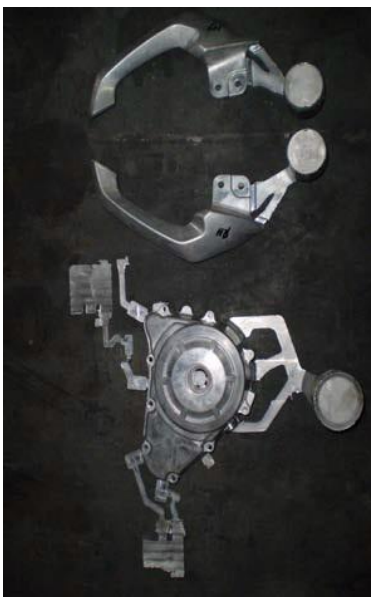
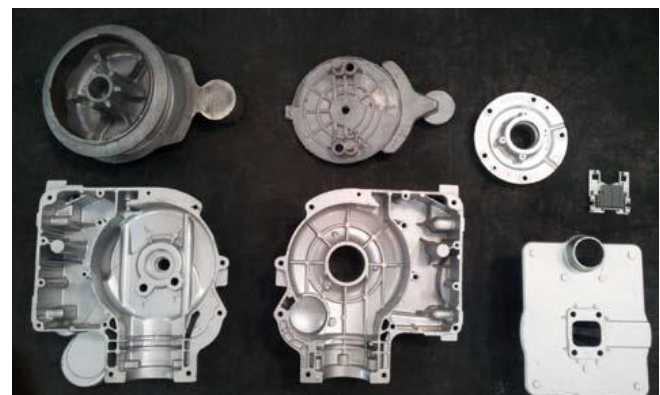
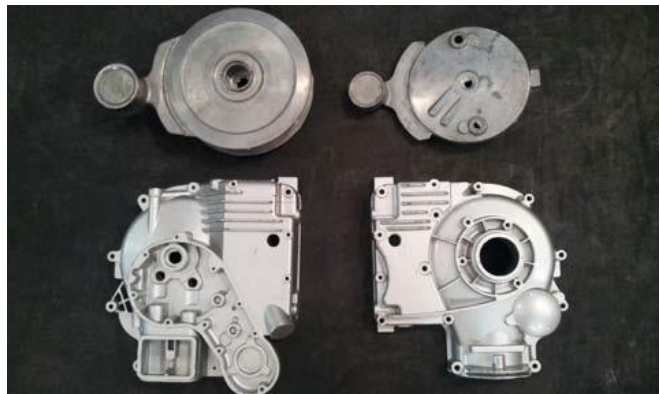
ALUMINIUM CAST PARTS

HPDC



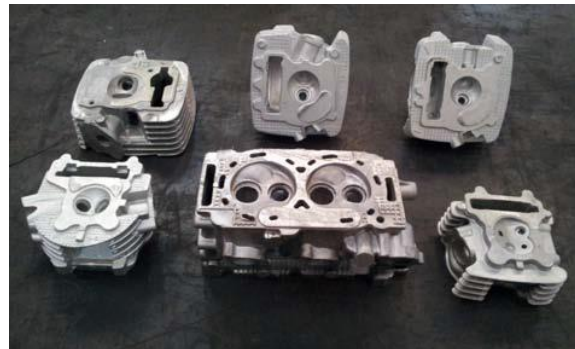
ALUMINIUM CAST PARTS

HPDC



ALUMINIUM CAST PARTS

LPDC



ALUMINIUM CAST PARTS

GDC

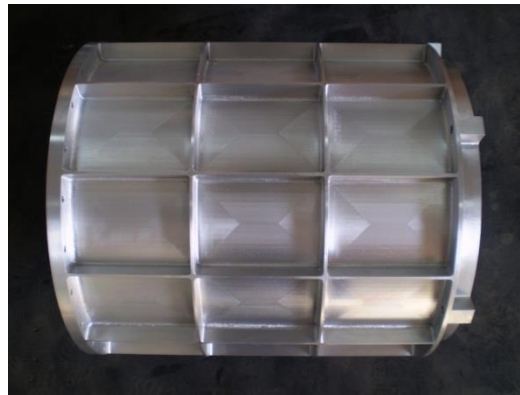
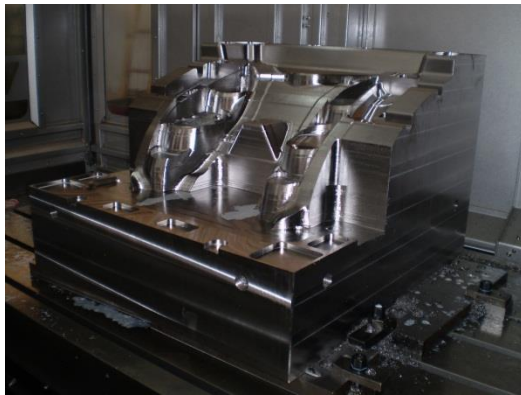




ALUMINIUM CAST PARTS

- HPDC, LPDC and GDC Aluminium cast parts
- HPDC from 60 T to 1000 T
- LPDC components up to 1m x 1m
- GDC up to 200 kg

PRECISION MACHINING



PLASTIC INJECTION MOLDED PARTS

AUTOMOTIVE

ELECTRICAL

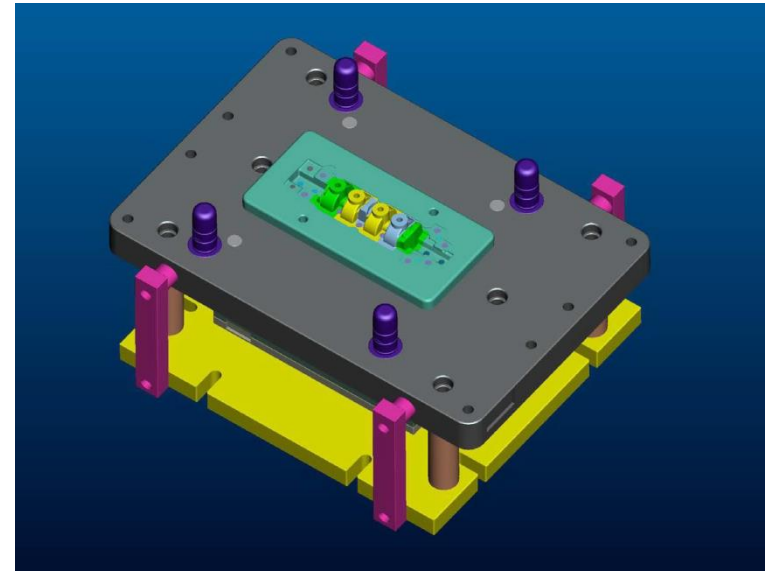
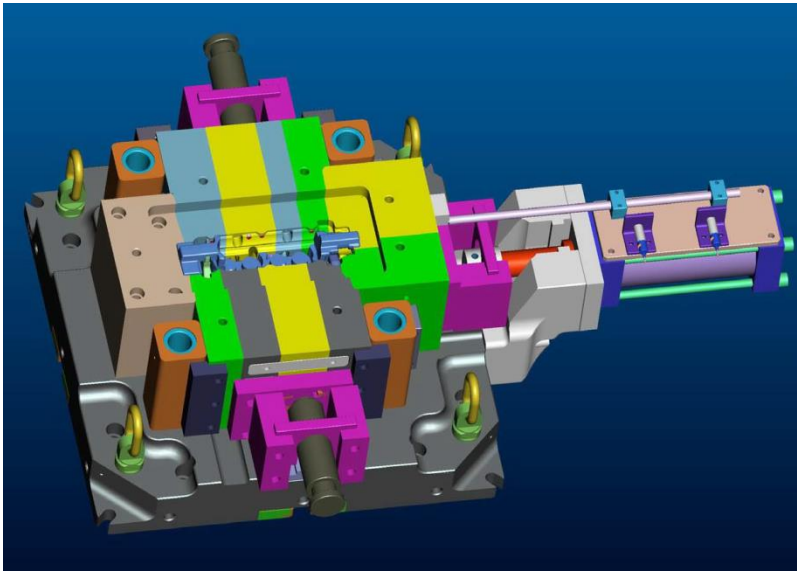
HEALTHCARE

POWER TOOLS

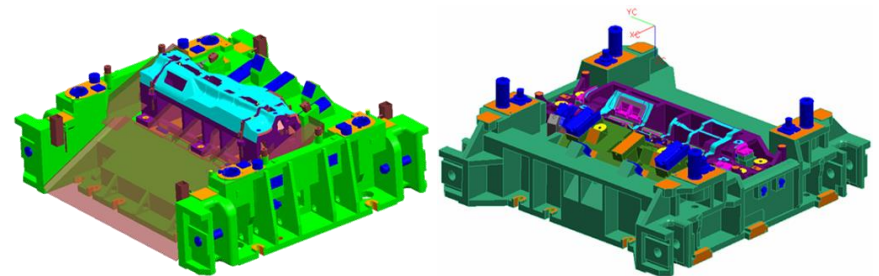
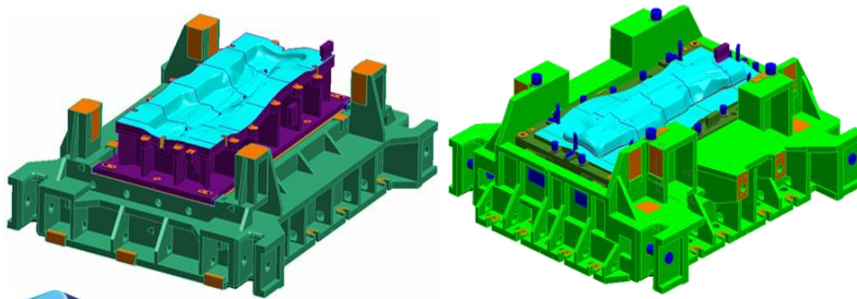
ELECTRONICS



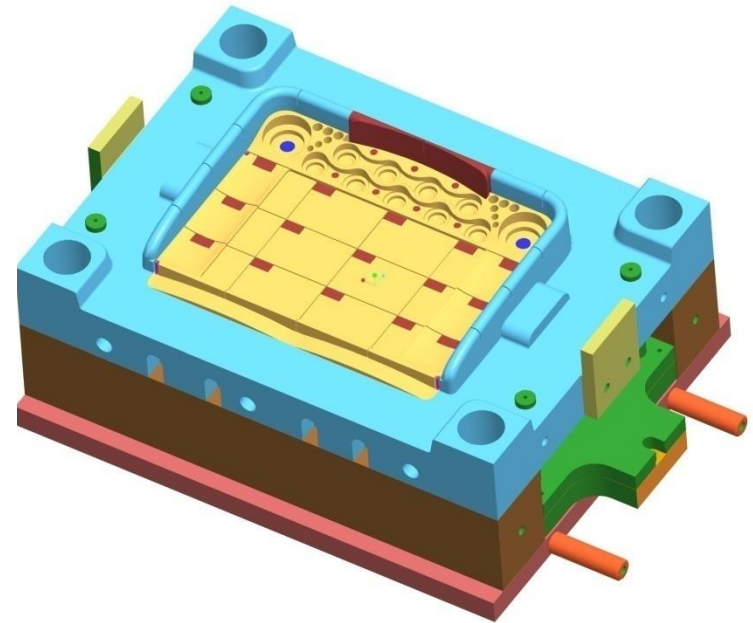
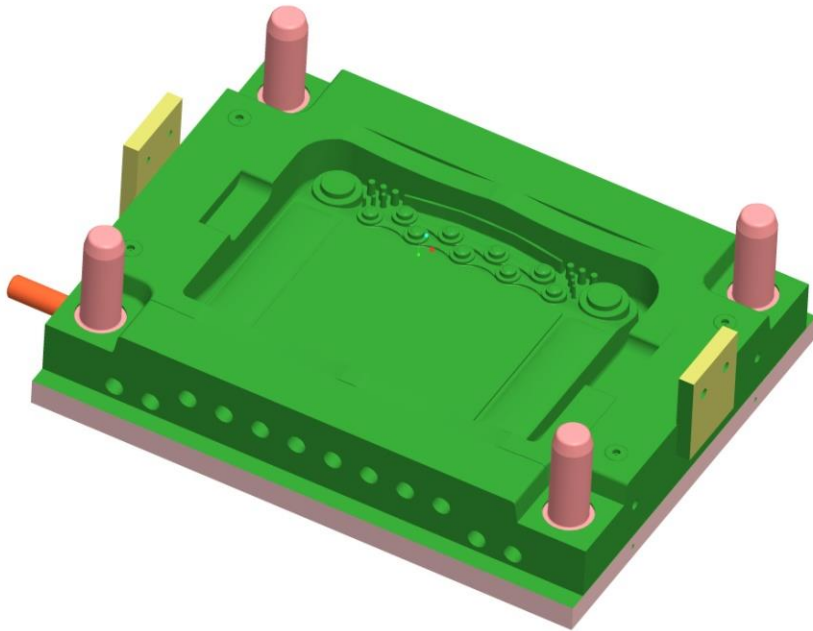
DIE CASTING DIE DESIGN



AUTOMOTIVE SHEET METAL STAMPING



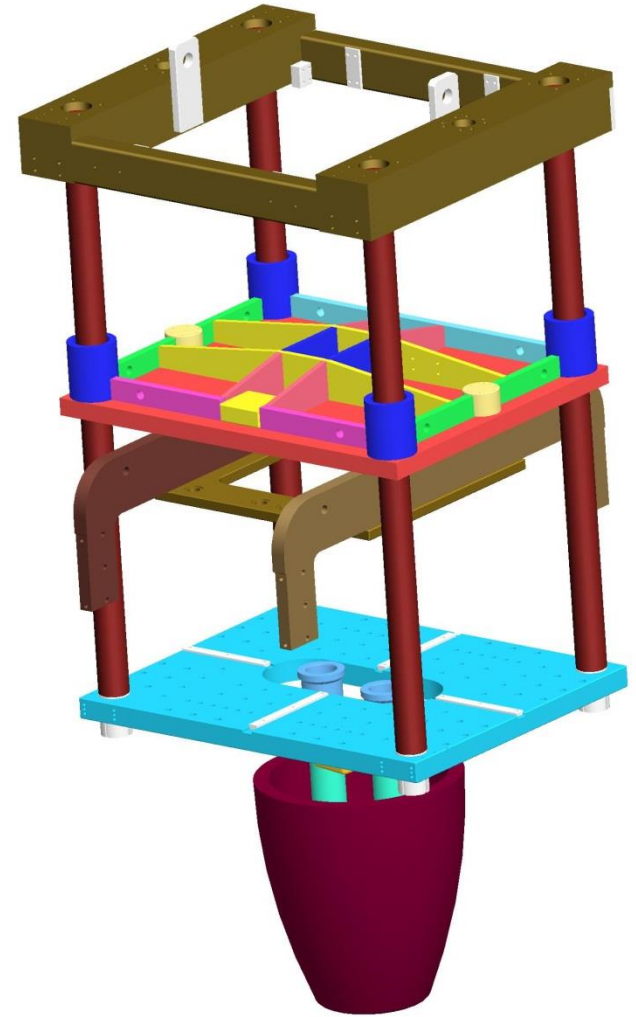
INJECTION MOULD DESIGN



FIXTURE DESIGN AND MANUFACTURE



- Design of hydraulic, pneumatic and custom jigs and fixtures
- Common applications
 - Part holding for CNC machines
 - fixtures for CMM
 - Welding fixtures
 - Drilling, grinding, milling and gear cutting
 - Toggle clamping systems



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Die Casting Tooling Solutions Under One Roof



Rapid Prototyping



- Quick turnaround
- RP of metal and plastic parts
- Proto-die for cast parts & plastic parts
- Prototypes, pattern, tooling and cast parts
- High quality, accuracy, precision and timely delivery
- Latest equipment for scanning, digitizing, modification and re-engineering
- Custom requirements





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