str. Drobna 18A/2A; PL43-346 Bielsko-Biała
tel. +48 509 778 697
e-mail: biuro@tools-project.com.pl
Production Plant:
str. Strażacka 83; PL43-382 Bielsko-Biała

WELCOME!

History

- *V.2008- start by the owner Maciej Kondrat; obtaining orders, design, cooperation with subcontractors, deliveries of ready tools / molds.*
- *2009- purchase the first machining centers, start of independently manufacturing parts and molding elements to tools / molds in production plant located*
  on the Lipnik in Bielsko-Biala.
- *2013- moving the production plant on the industrial area on the Wapienica in Bielsko-Biala (near the expressway S52); purchase new CNC machines and EDM machine.*
- *2015- purchase WEDM machine (wire cutting), surface grinding machine, gantry crane (2x2000kg); start-up measuring machine.*
- *2017- purchase second WEDM machine (wire cutting).*
- *2018- purchase trim press (spoting press), EDM machine, CNC machine for electrodes*

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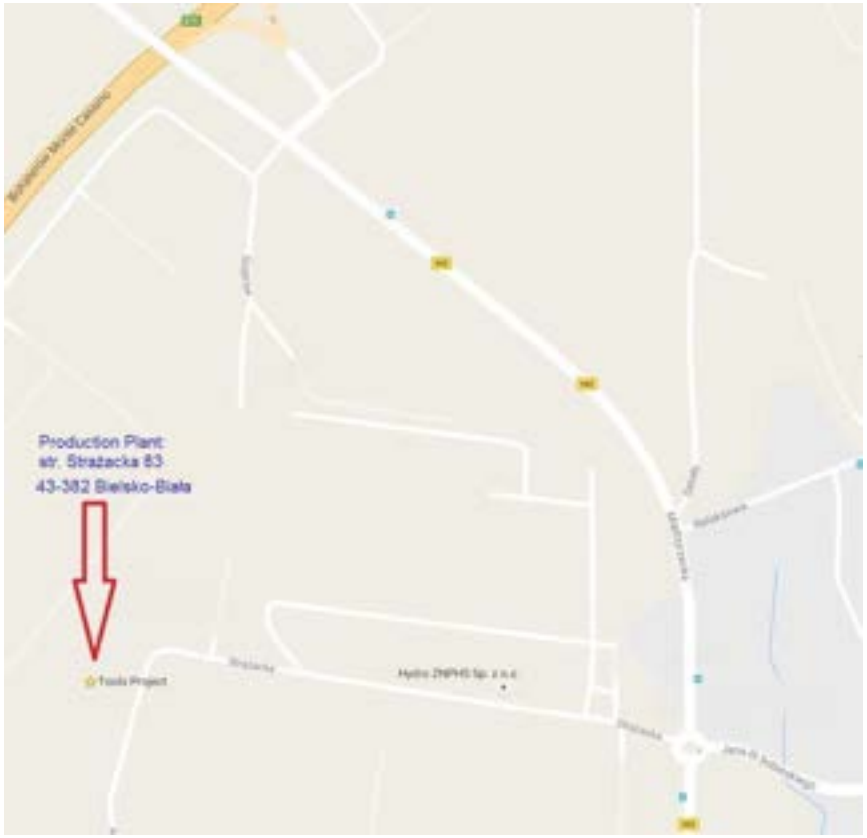
Location



Experience

In the rich experience of the company, and people related with company are realizations:

- ✓ ***new tools / molds / other toolings,***
- ✓ ***modification and repair tools / molds,***
- ✓ ***manufacturing spare parts and elements for tools / molds,***

for products such clients as:

Parts of EPDM / TPE / TPV

CooperStandard, SANOK, SANOK RUBBER, TRELLEBORG, FTT WOLBROM, HUTCHINSON, AD Plastik

Parts of PLASTIC

CooperStandard, legrand, Huf, ASK, HUTCHINSON, TRW Automotive, ZF, BOSCH, AIP, TI Automotive, MS-PROGRESS, SERIX, Techniplast, WTS, Rosti, Electrolux, IMPRODEX

Parts of other materials

autoneum, LEAR CORPORATION, RIETER

People

- ***Owner*** *Maciej Kondrat* ***- experience gathered in companies such as: Zanar, Stomil Sanok (now Sanok Rubber Company), Rieter (now Autoneum) Incobex, Macro Molds Polska.***

- ***Project Manager*** *Michał Mielnik* ***- experience gathered in companies such as: Stomil Sanok (now Sanok Rubber Company), Rieter (now Autoneum), Macro Molds Polska.***

Employment

Currently, the company employs 20 people:

- Owner (manage / design)
- Project Manager (manage / design)
- designer / CNC programist- ***1***
- junior designer - ***1***
- support of production (technologist / CNC programist / leaders of production / mantanaice worker, quality engineer)- ***7***
- CNC / EDM / WEDM operator- ***6***
- tool maker- ***3***

Work system:

- CNC / EDM / WEDM- *2 shifts*
- support of production / tool makers- *2 shifts*

Machine Park

3-axis CNC MILLING MACHINE:

- **TOYODA** (year of prod. 2012) - **range of travel XYZ: 1350x650x600 (max. table load ~2500 kg)**
- **BRIDGEPORT** (year of prod. 1997) - **range of travel XYZ: 1000x520x520 (max. table load ~900 kg)**

3-axis CNC MILLING MACHINE (for electrodes):

- **MIKRON MILL S 500** (year of prod. 2016) - **range of travel XYZ: 500x400x360 (max. table load ~200 kg)**
- **WP1** (year of prod. 2018) - **magazine with an electrode feeder coupled to the MIKRON MILL S 500**

5-axis CNC MILLING MACHINE :

- **HERMLE** (year of prod. 2013) - **range of travel XYZ: 870x700x550 (max. table load ~700 kg)**
- **HERMLE** (year of prod. 1999) - **range of travel XYZ: 600x450x450 (max. table load ~250 kg)**

CNC EDM MACHINE; 4-axis:

- **SODICK** (year of prod. 2012) - **range of travel XYZ: 850x520x420 (max. table load ~3000 kg)**
- **SODICK** (year of prod. 2017) - **range of travel XYZ: 600x420x370 (max. table load ~1500 kg)**

CNC WEDM MACHINE (wire cutting):

- **FANUC ALFA-1iE** (year of prod. 2011) - **range of travel XYZ: 600x400x310 (max. table load ~1000 kg)**
- **FANUC ALFA-C600-1iA** (year of prod. 2015) - **range of travel XYZ: 600x400x310 (max. table load ~1000 kg)**

Machine Park

SURFACE GRINDING MACHINE:

- **KRASNY BORETS** (year of prod. 2015) - **range of travel XYZ: 1200x600x600 (max. table load ~800 kg)**

OTHER:

- **Gantry** - **2 x 2000 kg**
- **Welder** - **Tracytec TTW-800**
- **Laser Welder** - **OR LASER HTS/B160W**
- **Double chamber sandblaster**
- **Trim press (spotting press)** - **REIS SEP 100-50 DIII**

Machine Park

Measuring machine: Coord3 ARES 7.7.5 (year of prod. 2012)
(to check correctness of manufacturing electrodes and molding elements)

Measurement range XYZ: 700 x 550 x 550 [mm]
Table load capacity: 600 [kg]
Measuring software: *ARCO CAD*
Software for PRE-SET system: *Erowa PreSoft XP*

In the company is implemented and deweloped system of palletizing: Erowa UPC

Software

- CAD: ***NX8,5*** (planned upgrade to NX11)
- CAM: ***NX8,5*** (planned upgrade to NX11)
- Software on measuring machine: ***ARCO CAD***
- Software for PRE-SET system: ***Erowa PreSoft XP*** – durring implementation
- Software: ***FORM CONTROL*** (measuring system on CNC machines: TOYODA FV1350 and HERMLE C400)- during the analysis of the suitability

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Zakład Produkcyjny:
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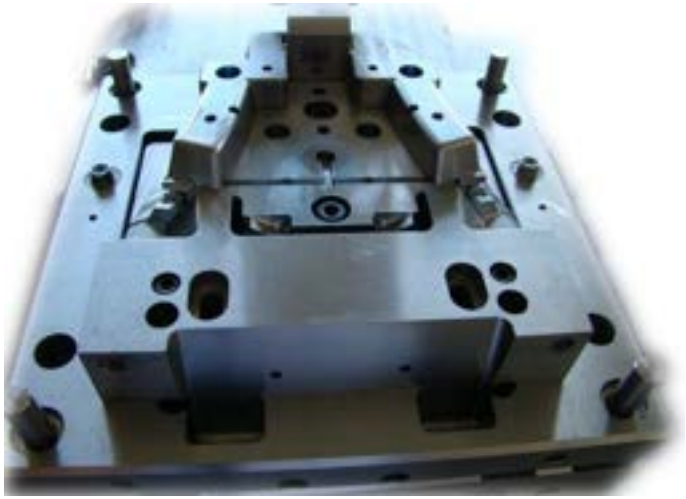
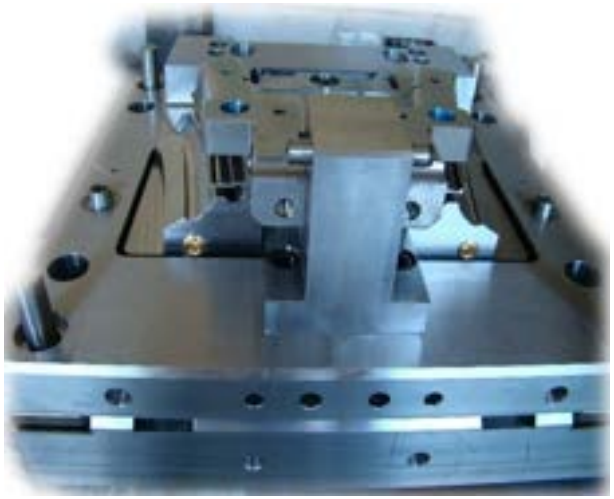
Activities

- ***Design and manufacture injection molds:***
  - for PLASTIC PARTS
  - for RUBBER PARTS (EPDM / TPE / TPV)
  - TOOLS FOR PU FOAM PARTS
- ***Manufacture tools / mold / metal parts according to received documentation.***
- ***Modification and repairing molds / tools according to arrangements.***
- ***CNC / EDM / WEDM machinning; manufacturing spare parts for tools / molds / etc.***

„Rubber” Molds for EPDM / TPE / TPV

automotive (static and dynamic seals)



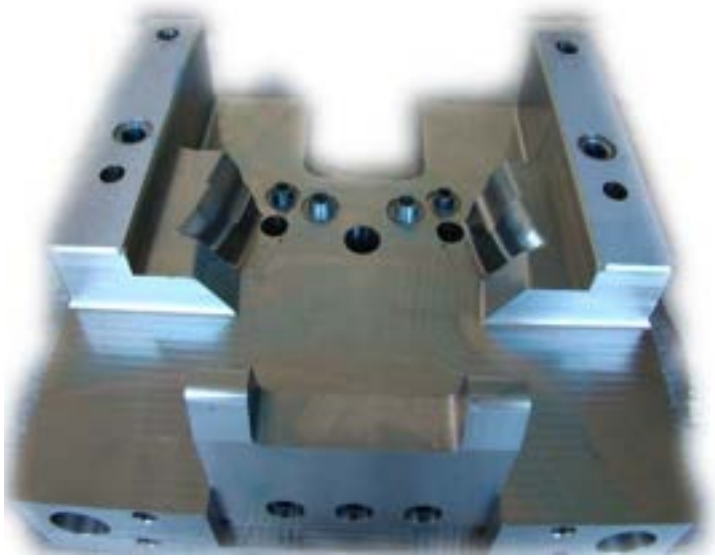


END CAP (outer belt)- TPE

(the oldest projects)

„Rubber” Molds for EPDM / TPE / TPV

automotive (static and dynamic seals)

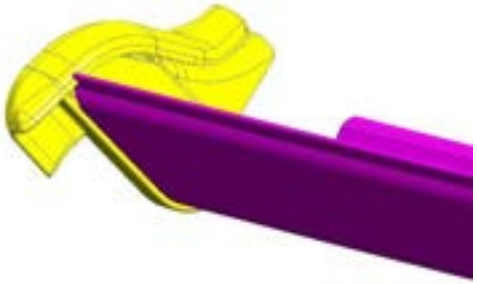


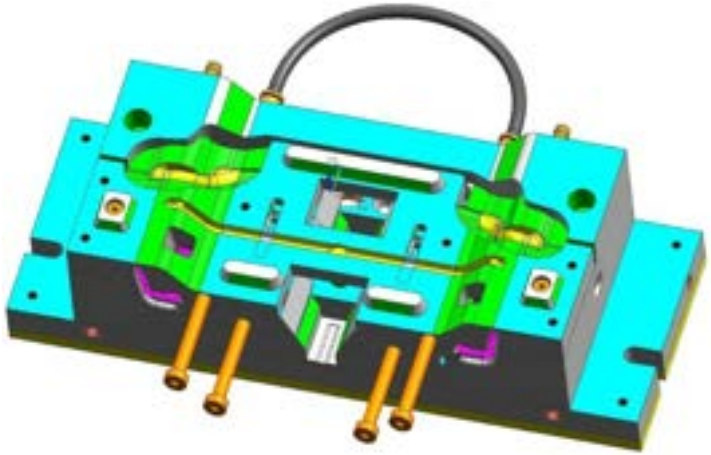
END CAP (outer belt)- TPE

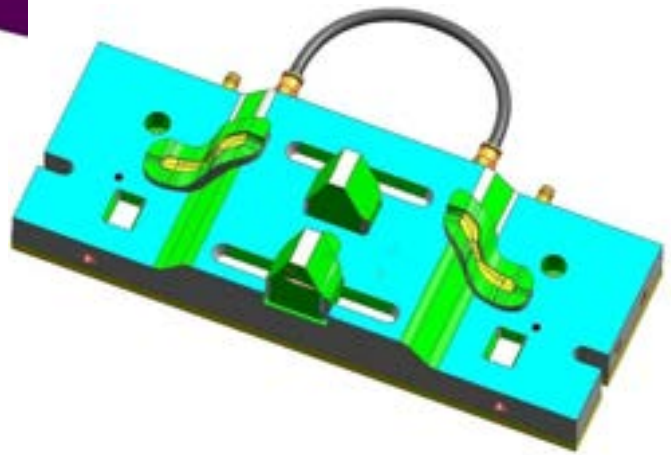
(the oldest projects)

„Rubber” Molds for EPDM / TPE / TPV

automotive (static and dynamic seals)





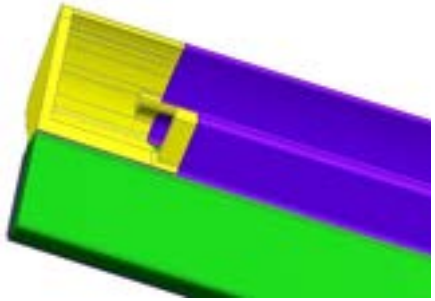


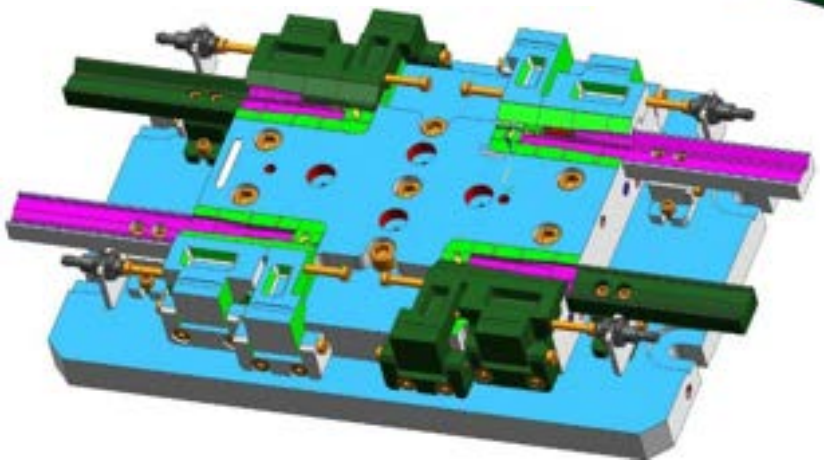
END CAP (outer belt)- TPE

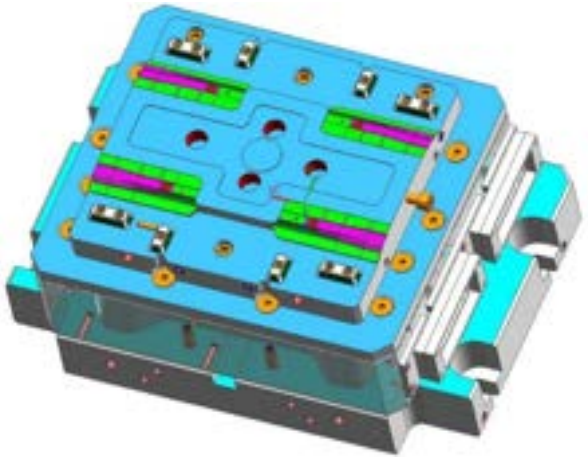
(prototype mold – 2CAV.[LH+RH])

„Rubber” Molds for EPDM / TPE / TPV

automotive (static and dynamic seals)





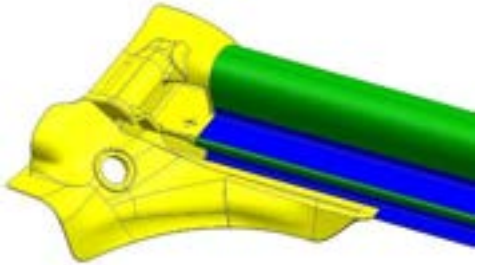


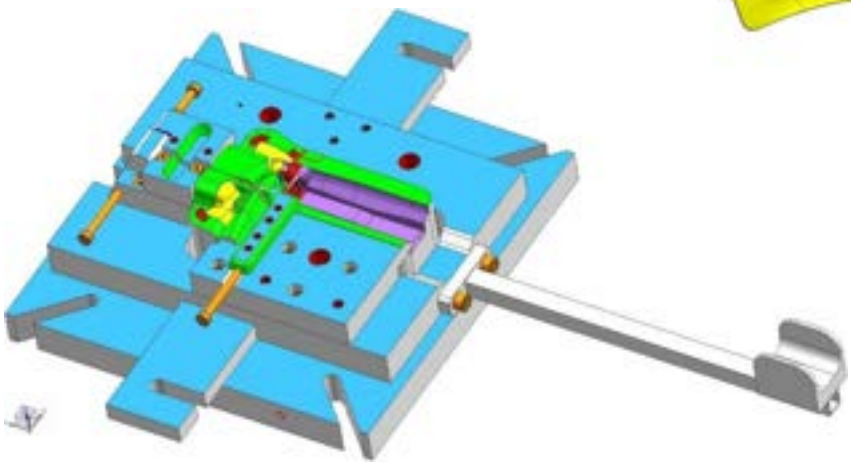
END CAP (GLASS PANEL)- TPE

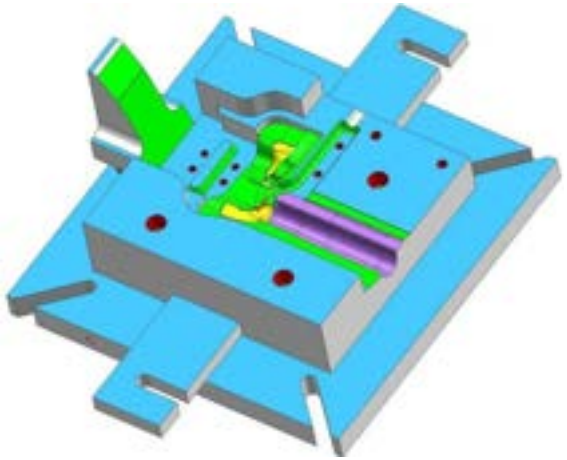
(production mold – 4CAV.[2xLH+2xRH] – HOT RUNNER SYSTEM with VELVE NOZZLE [manifold + 4x nozzle])

„Rubber” Molds for EPDM / TPE / TPV

automotive (static and dynamic seals)





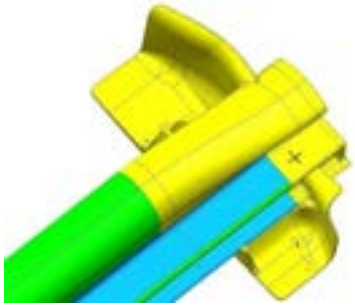


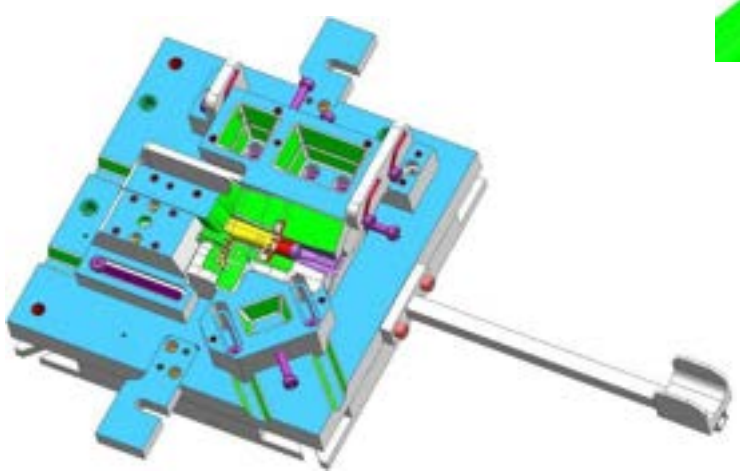
END CAP (ROOF SEAL)- EPDM

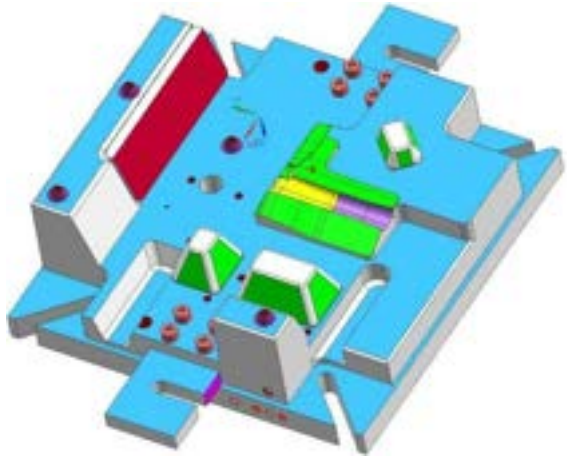
(prototype mold – 1CAV.)

„Rubber” Molds for EPDM / TPE / TPV

automotive (static and dynamic seals)





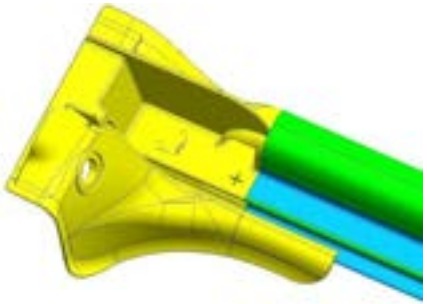


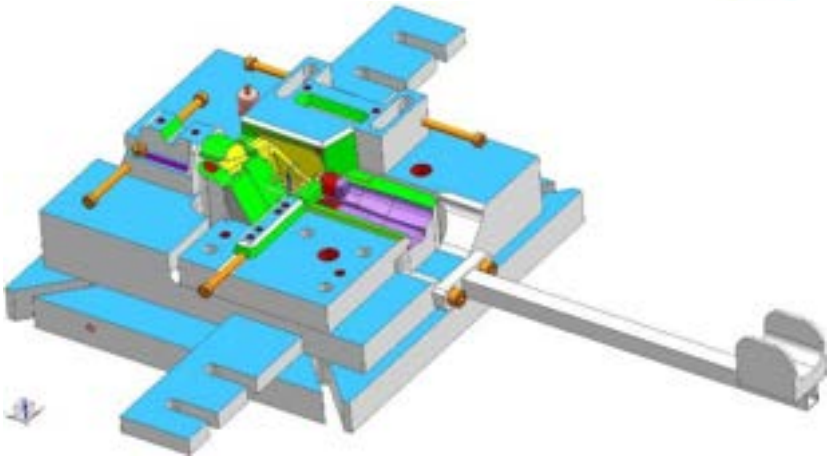
END CAP (ROOF SEAL)- EPDM

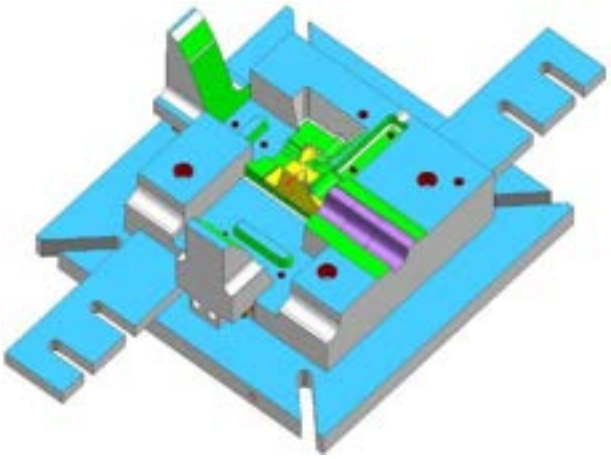
(prototype mold – 1CAV.)

„Rubber” Molds for EPDM / TPE / TPV

automotive (static and dynamic seals)





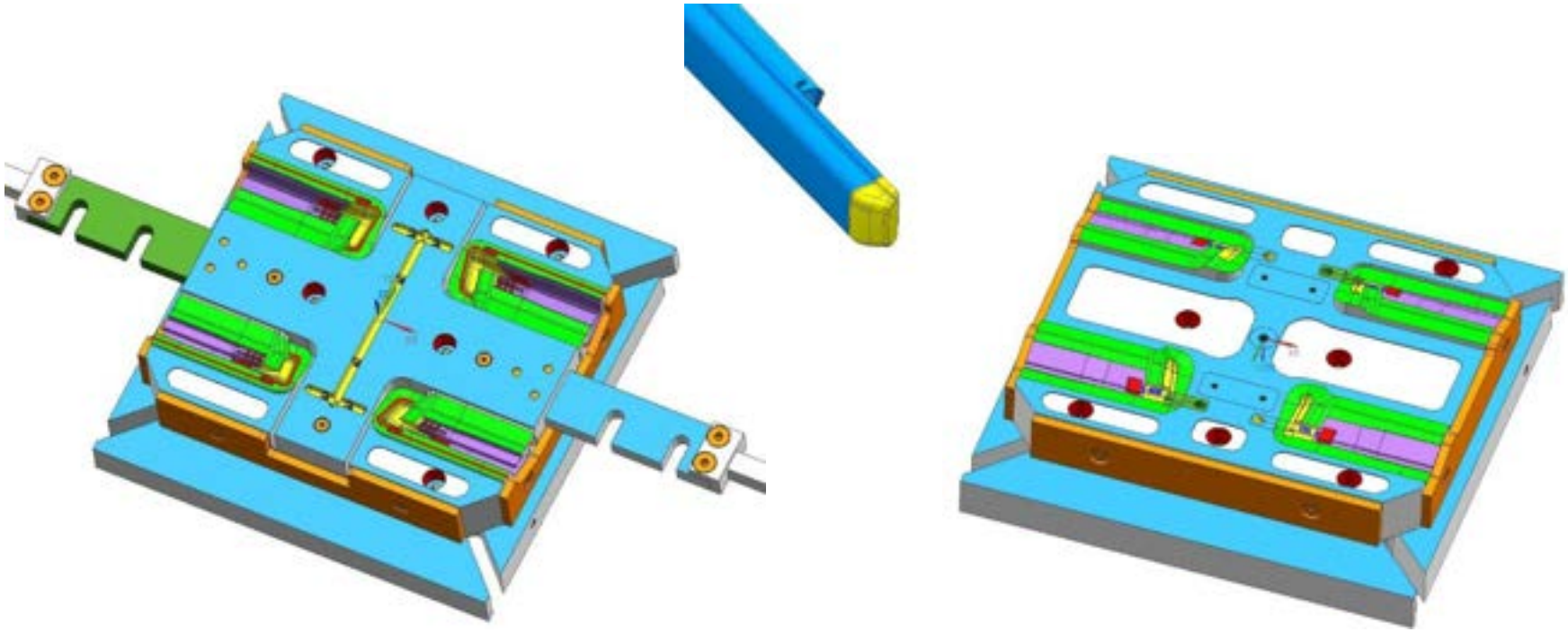


END CAP (ROOF SEAL)- EPDM

(prototype mold – 1CAV.)

„Rubber” Molds for EPDM / TPE / TPV

automotive (static and dynamic seals)

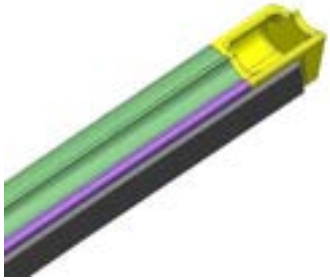


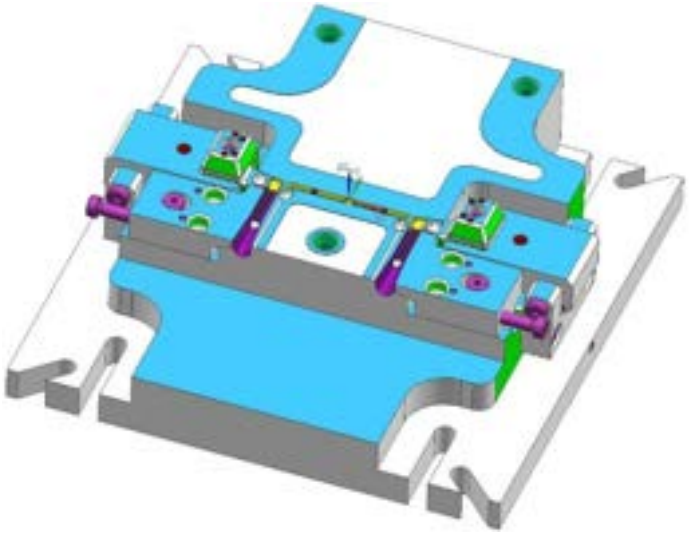
END CAP (outer belt)- EPDM

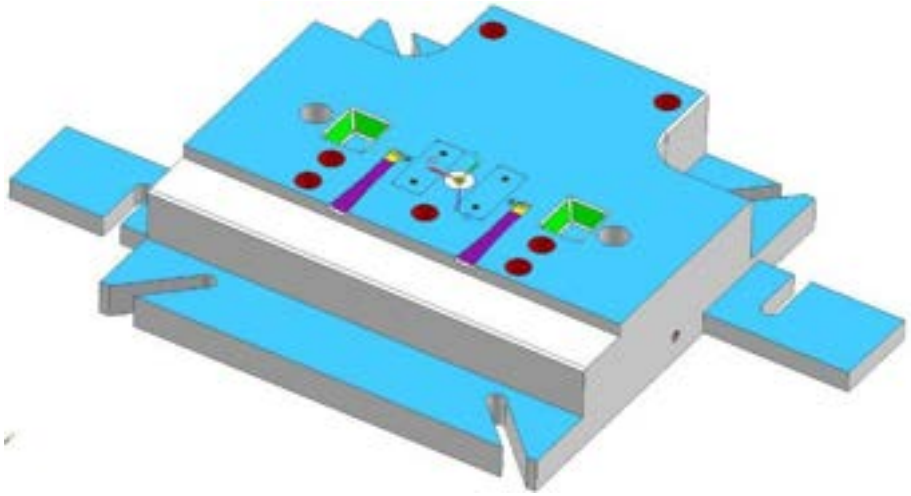
(production mold – 4CAV.[2xLH+2xRH])

„Rubber” Molds for EPDM / TPE / TPV

automotive (static and dynamic seals)





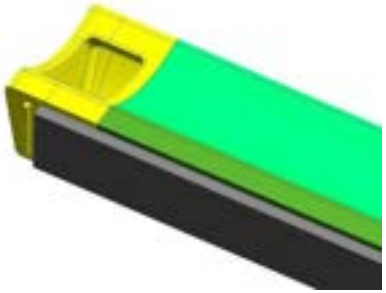


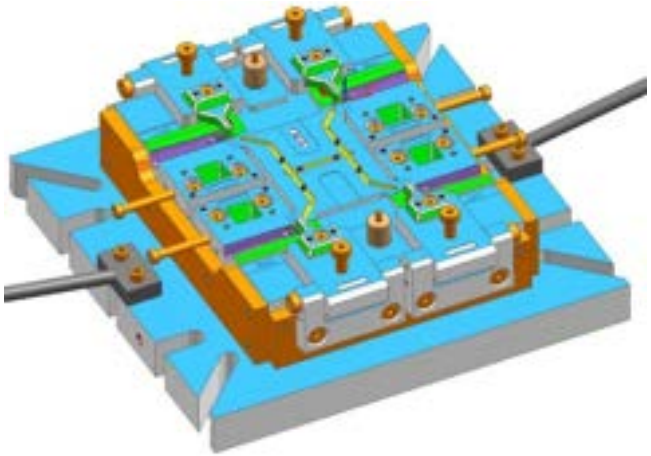
END CAP (GLASS PANEL)- EPDM

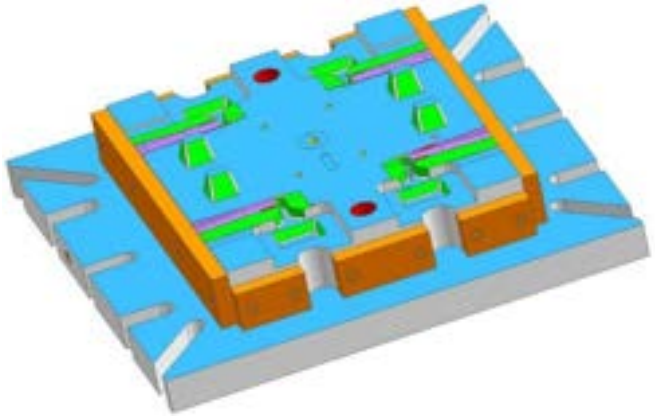
(prototype mold – 2CAV.[LH+RH])

„Rubber” Molds for EPDM / TPE / TPV

automotive (static and dynamic seals)





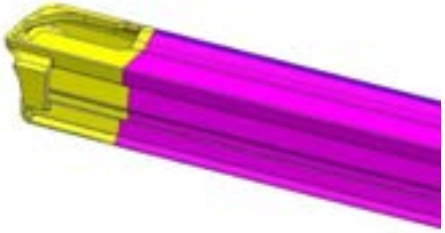


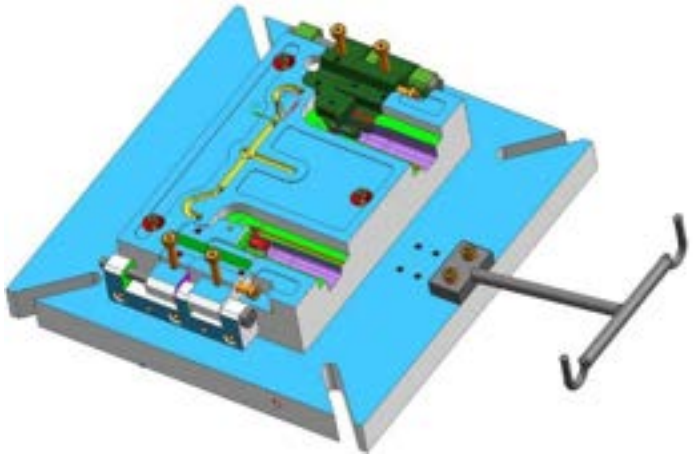
END CAP (GLASS PANEL)- EPDM

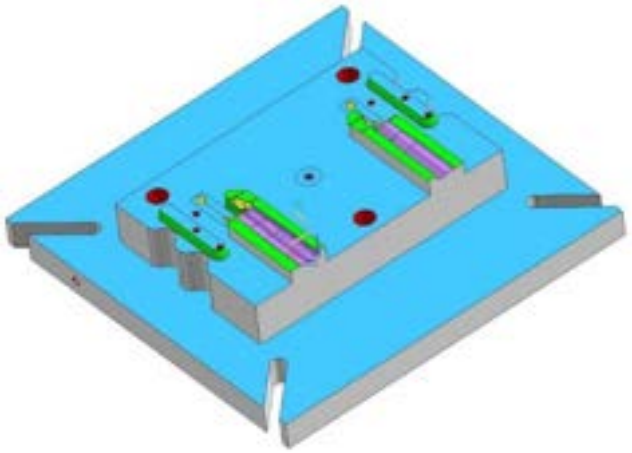
(production mold – 4CAV.[2xLH+2xRH])

„Rubber” Molds for EPDM / TPE / TPV

automotive (static and dynamic seals)







END CAP (GLASS PANEL)- EPDM

(prototype mold– 2CAV.[LH+RH])

Plastic Injection Molds

ARCH OF LEADING PIPE (PA6 GF30)

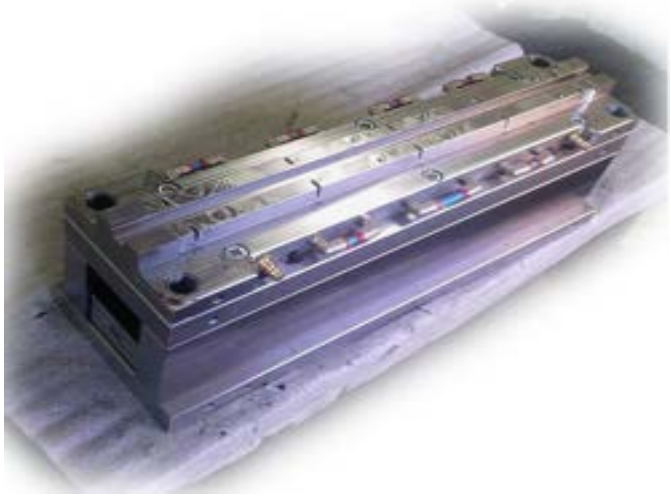
(the oldest projects)

Plastic Injection Molds

FIXING PART (PP)

(the oldest projects)

Plastic Injection Molds



COVER (PA6 GF30)

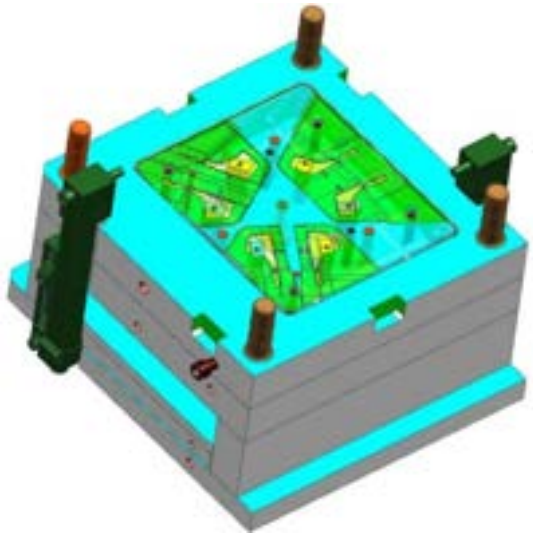
(the oldest projects)

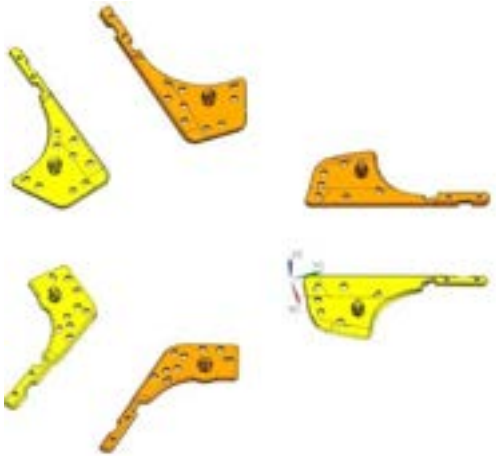
Plastic Injection Molds

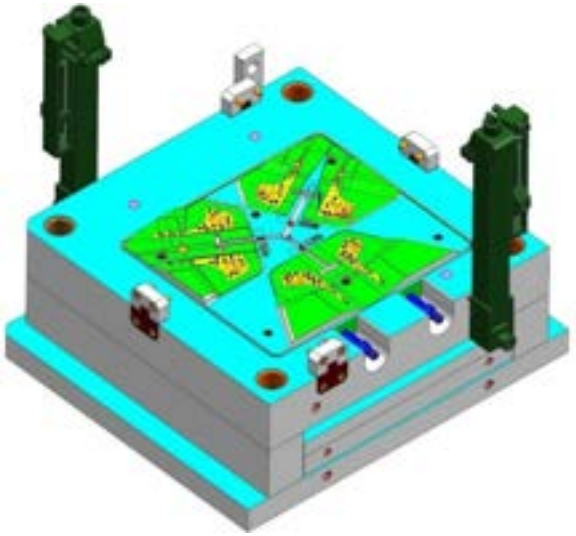
ROSACCE (PP/ ABS)

(the oldest projects)

Plastic Injection Molds





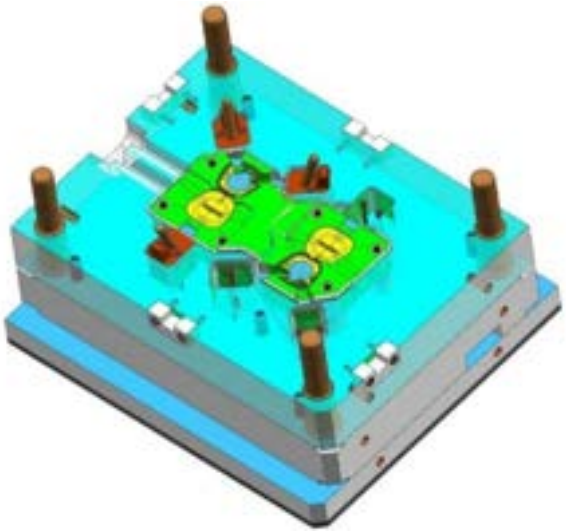


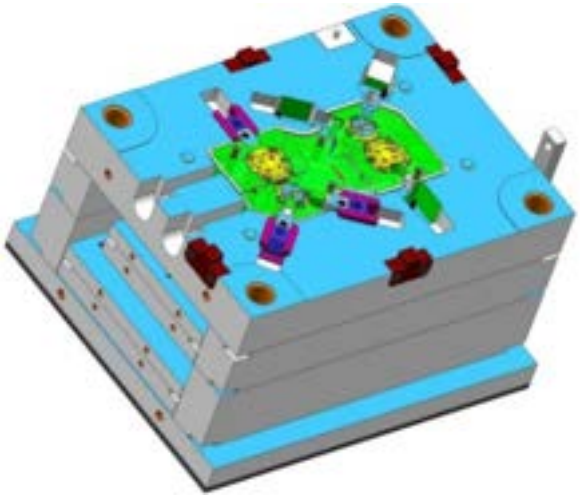
INSERT (PA66 GF13)

size of mold base (W x L x H)- 346x346x334

(prototype mold– 6CAV.[3x{LH+RH}] – the ability to produce three type of references)

Plastic Injection Molds



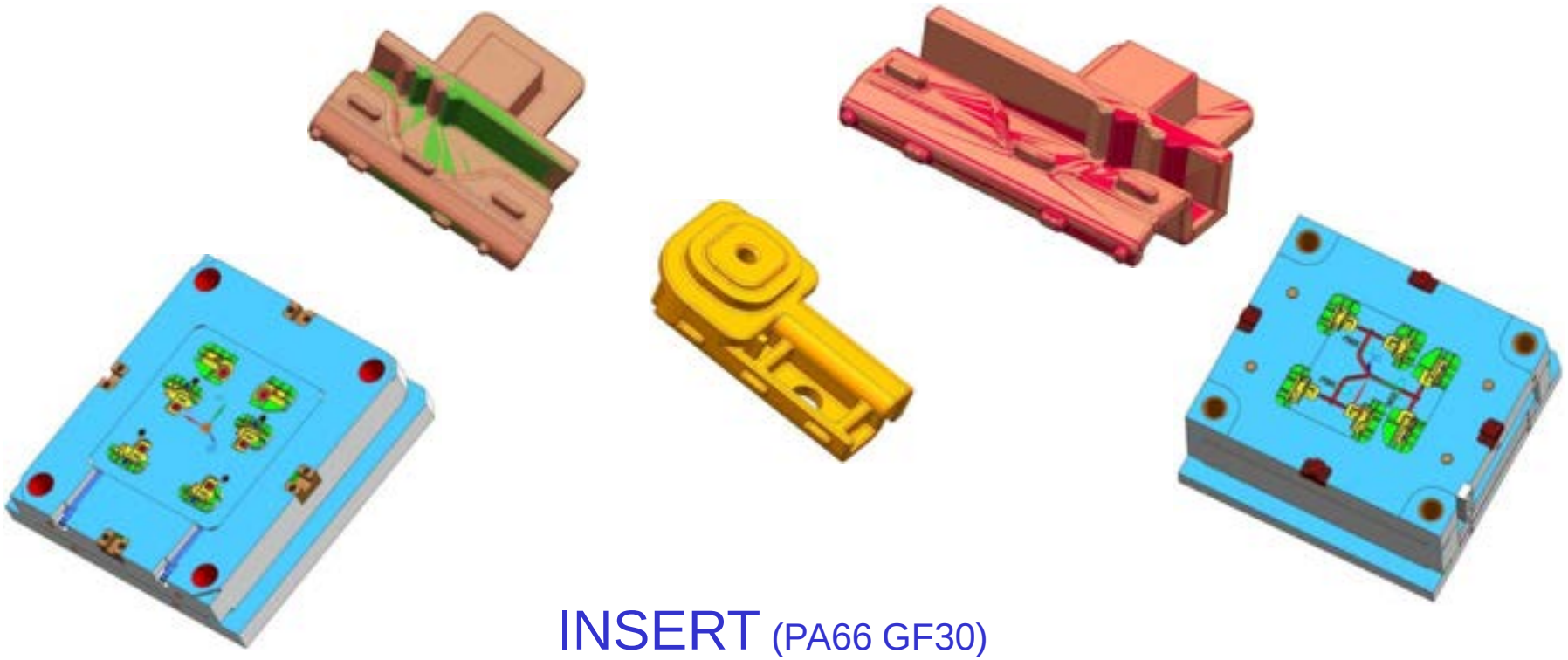


INSERT (PA66 GF13)

size of mold base (W x L x H)- 346x346x334

(production mold– 2CAV. – HOT RUNNER SYSTEM [manifold + 2x nozzle])

Plastic Injection Molds

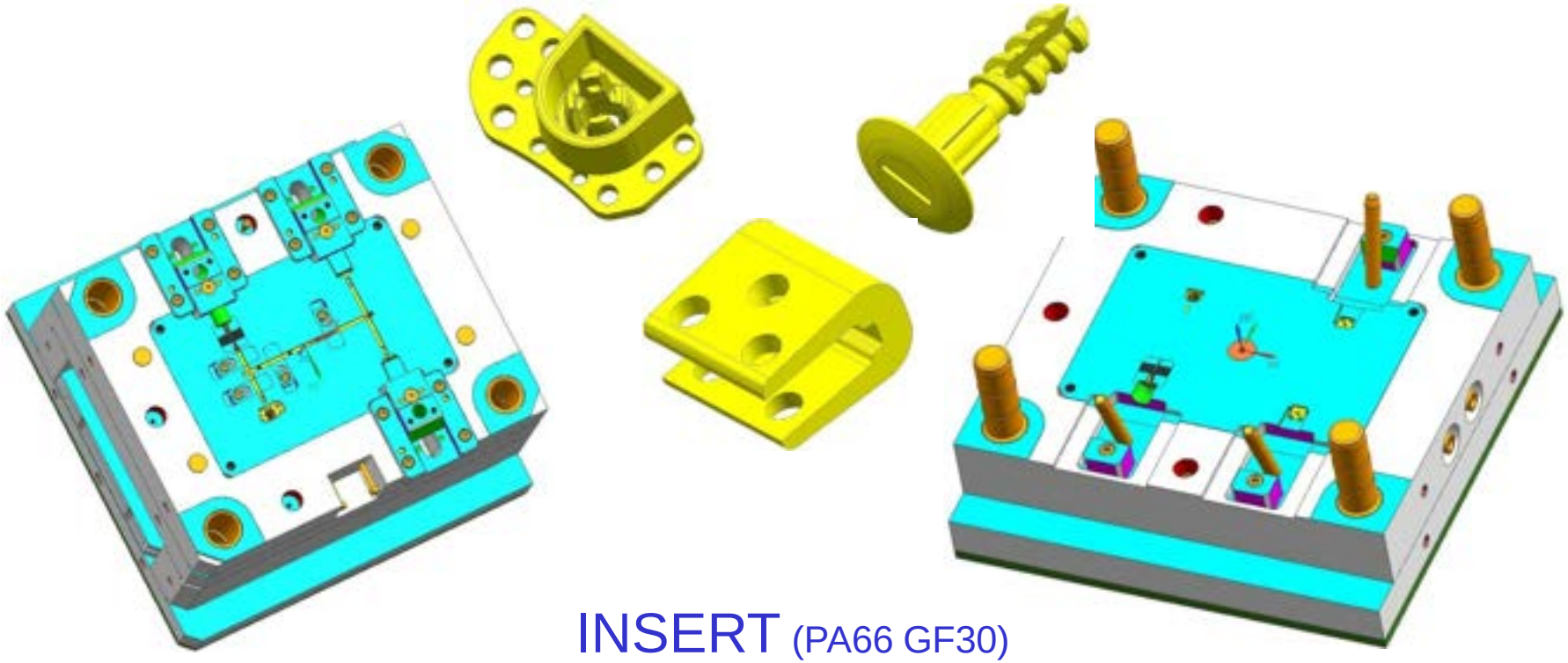


INSERT (PA66 GF30)

size of mold base (W x L x H)- 296x346x222

(prototype mold– 6CAV.[3x{LH+RH}] – the ability to produce five type of references)

Plastic Injection Molds

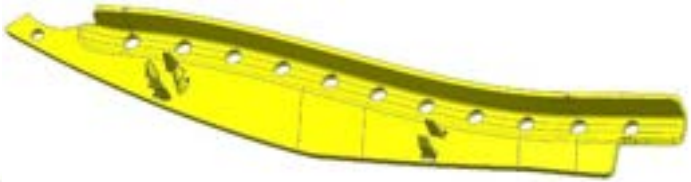


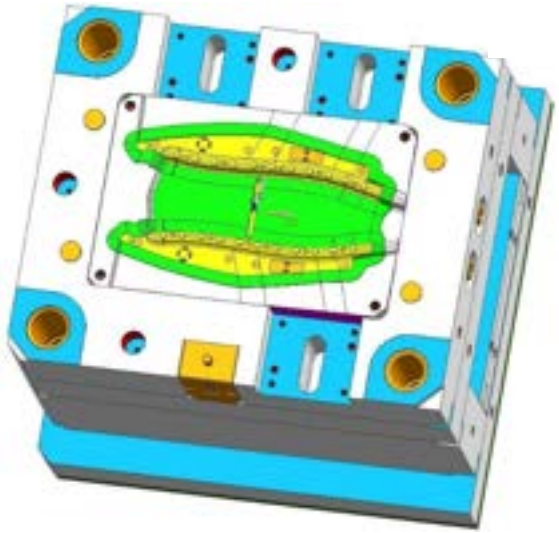
INSERT (PA66 GF30)

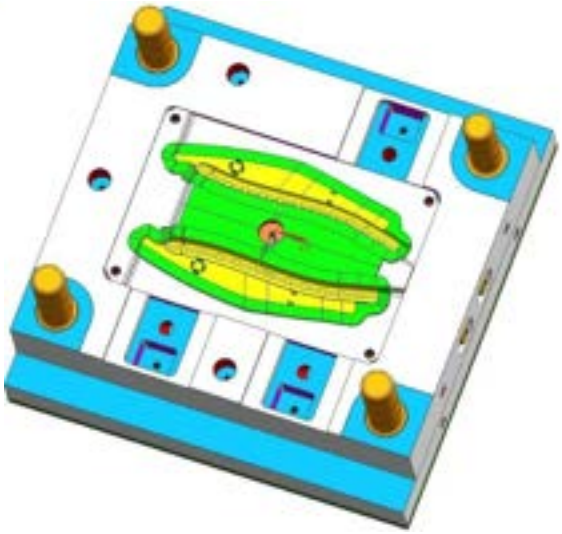
size of mold base (W x L x H)- 246x296x272

(prototype mold– 4CAV.[{LH+RH}+1+1] – the ability to produce three type of references)

Plastic Injection Molds





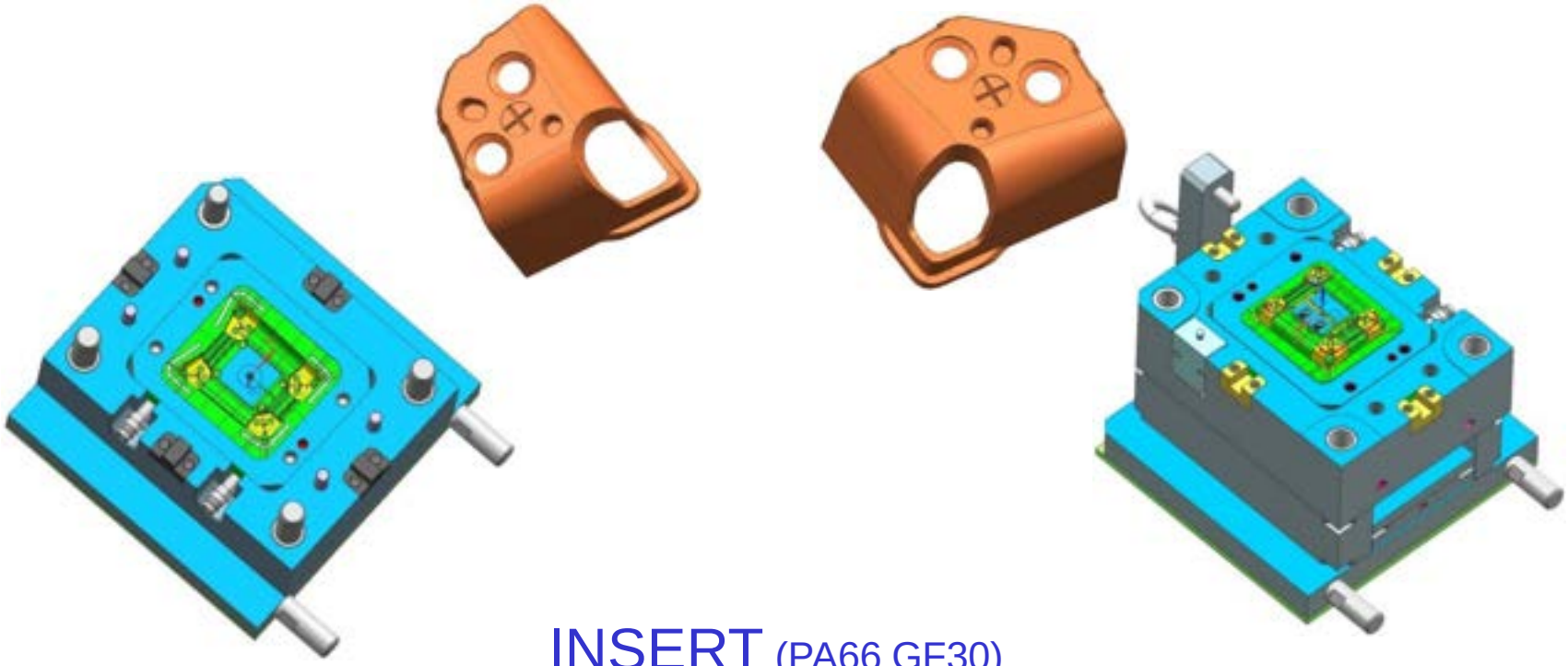


INSERT (PA66 GF30)

size of mold base (W x L x H)- 246x296x272

(prototype mold– 2CAV.[LH+RH] – mold base from mold on page 29)

Plastic Injection Molds



INSERT (PA66 GF30)

size of mold base (W x L x H)- 190x246x276

(production mold – 4CAV.[2x{LH+RH}] – the ability to produce two type of references)

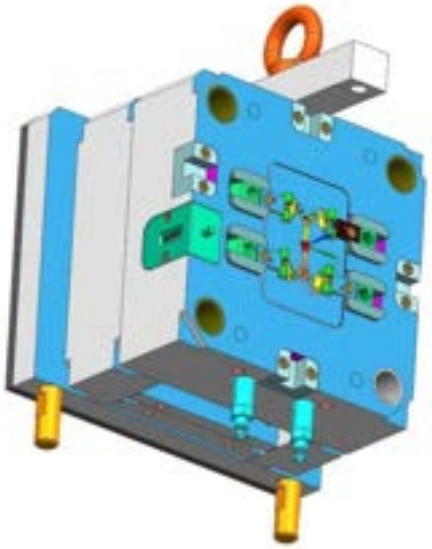
Plastic Injection Molds

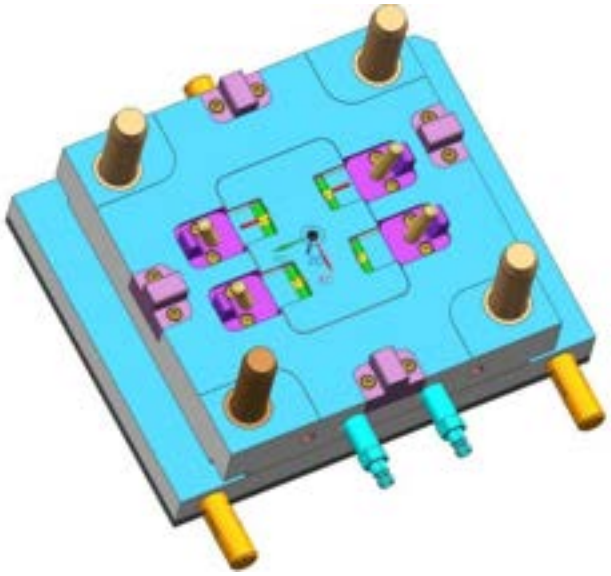
INSERT (POM)

size of mold base (W x L x H)- 196x196x216

(production mold – 4CAV. – the ability to produce three type of references)

Plastic Injection Molds



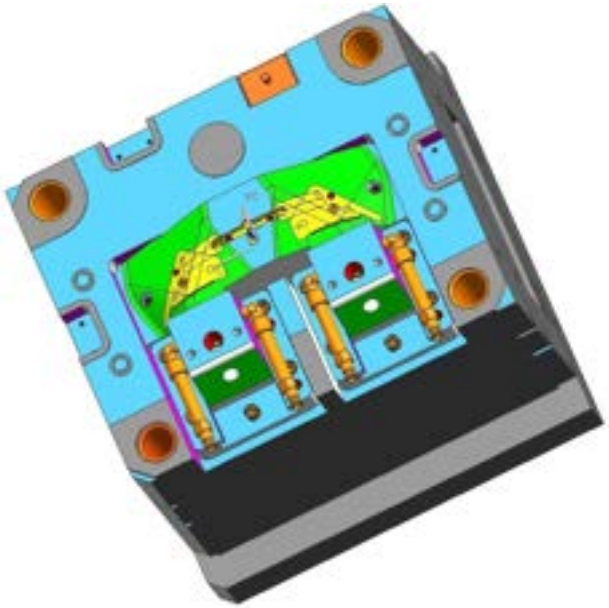


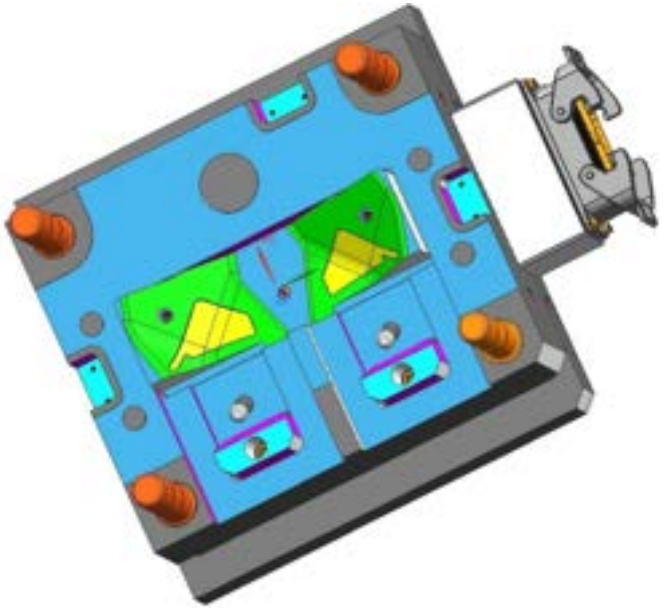
INSERT (PP GF30)

size of mold base (W x L x H)- 196x196x216

(production mold – 4CAV.[2xLH+2xRH]

Plastic Injection Molds



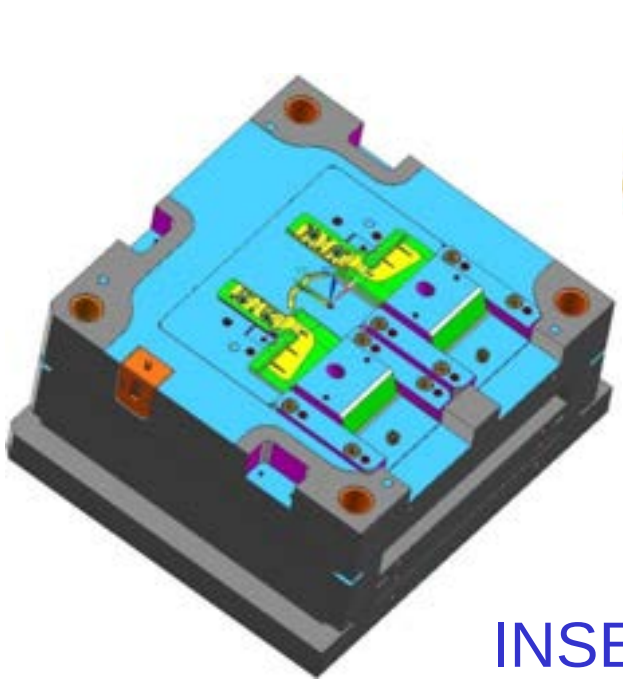


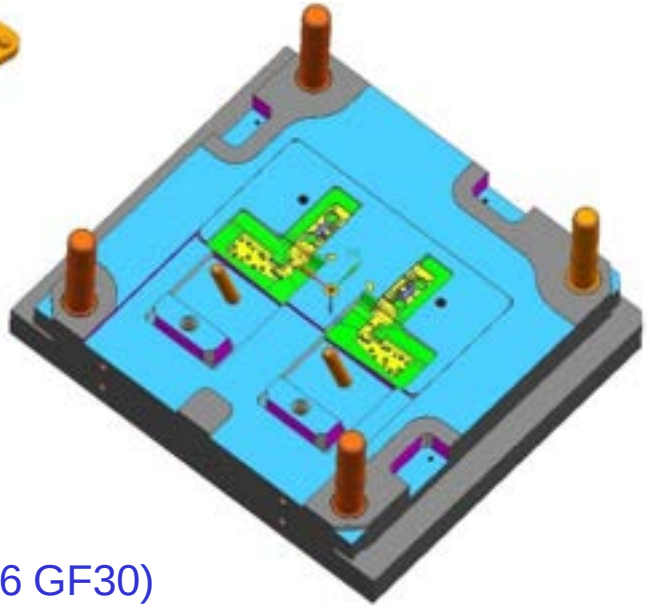
INSERT (PP GF30)

size of mold base (W x L x H)- 246x296x307

(production mold – 2CAV.[LH+RH] – CENTRAL HOT NOZZLE)

Plastic Injection Molds



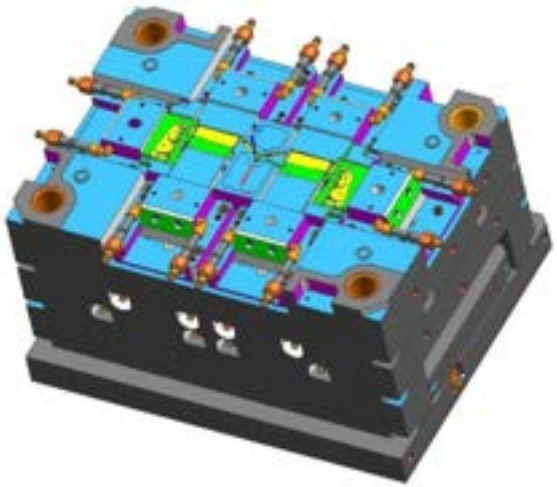


INSERT (overmolding; PA66 GF30)

size of mold base (W x L x H)- 346x346x246

(prototype mold – 2CAV.[LH+RH]

Plastic Injection Molds

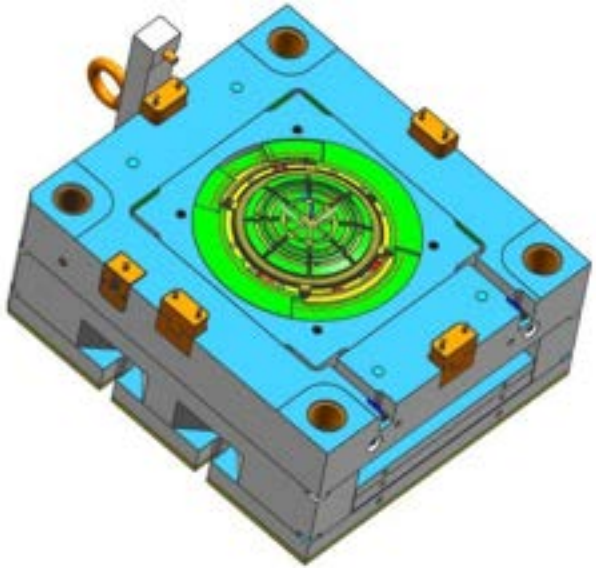


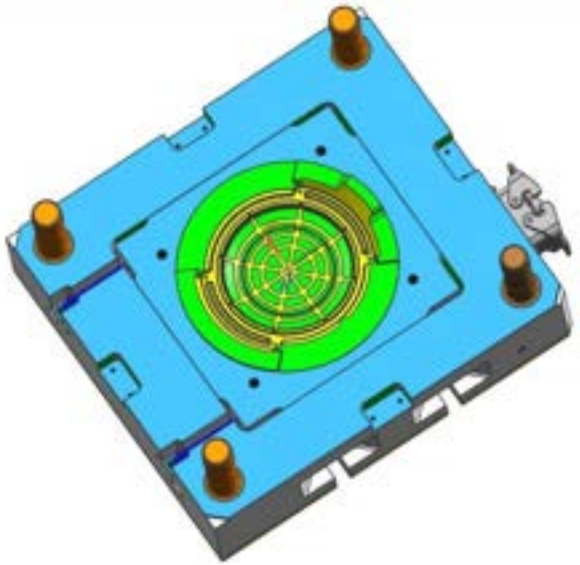
INSERT (PA66 GF30)

size of mold base (W x L x H)- 346x496x390

(production mold – 2CAV.[LH+RH]

Plastic Injection Molds



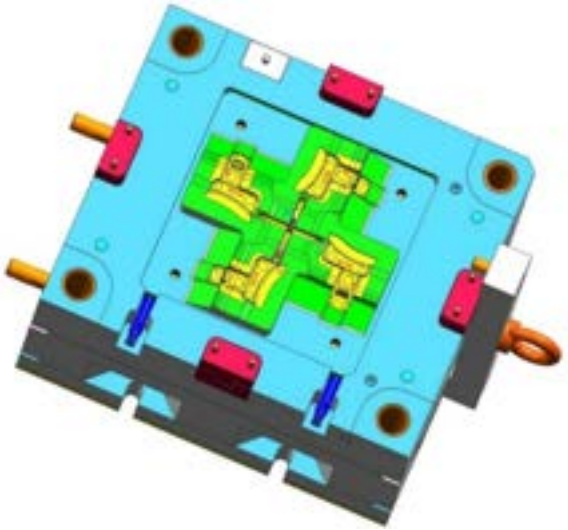


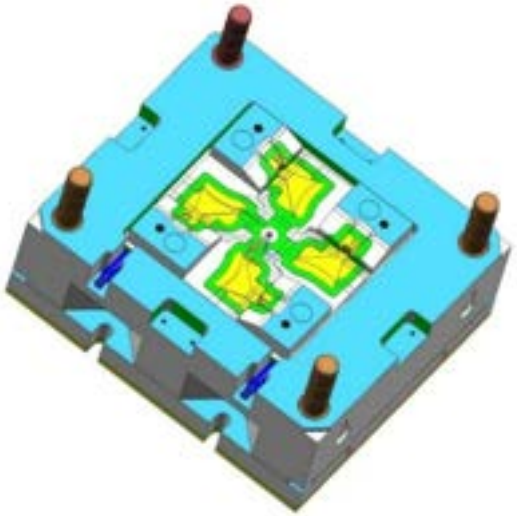
GRILL (PC/AB)

size of mold base (W x L x H)- 396x446x289

(production mold – 1CAV. – CENTRAL HOT NOZZLE)

Plastic Injection Molds



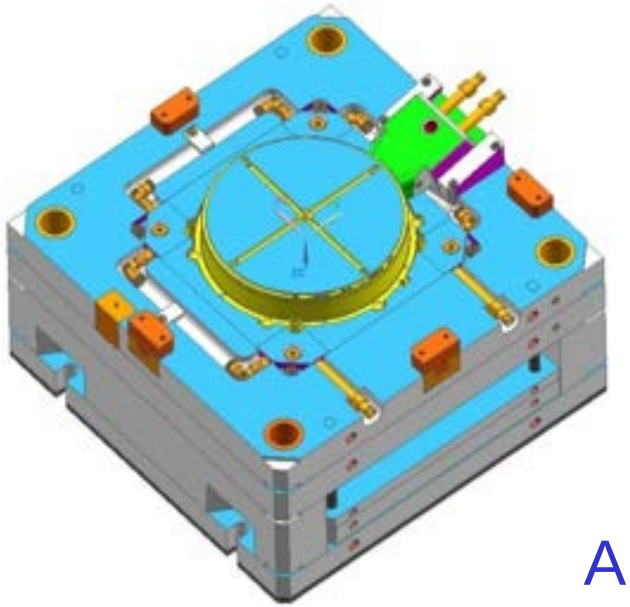


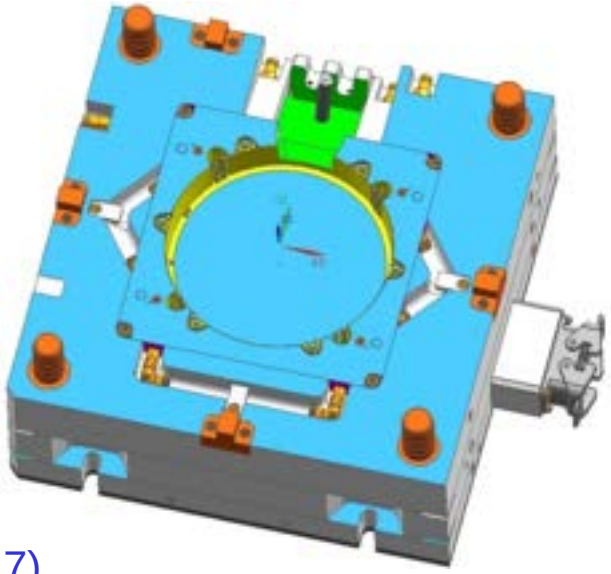
COVER (TPE)

size of mold base (W x L x H)- 296x346x306

(production mold – 4CAV.)

Plastic Injection Molds



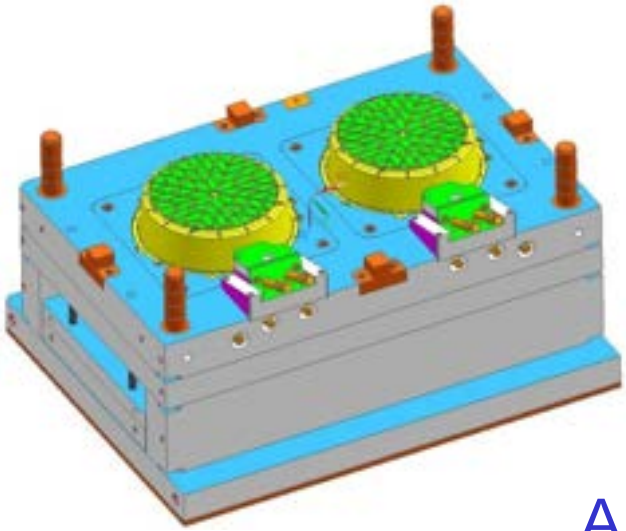


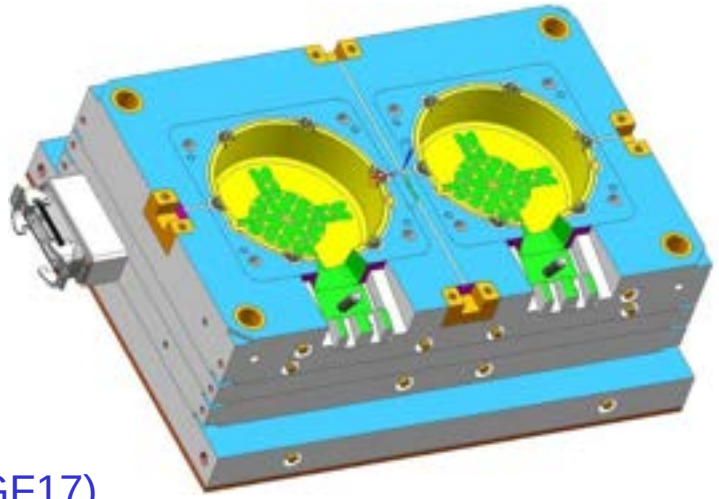
ADAPTER (ABS GF17)

size of mold base (W x L x H)- 446x446x399

(production mold – 1CAV. – CENTRAL HOT NOZZLE)

Plastic Injection Molds



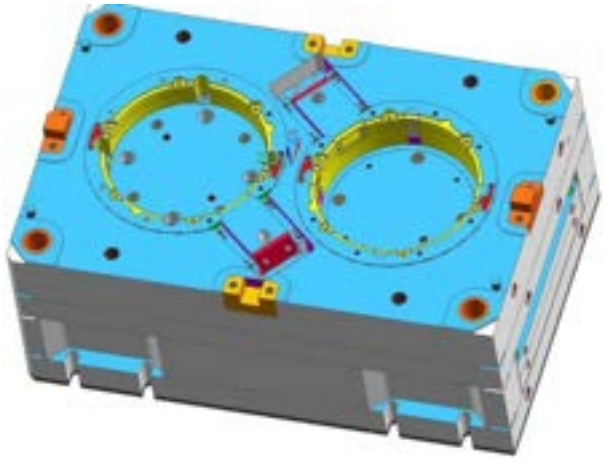


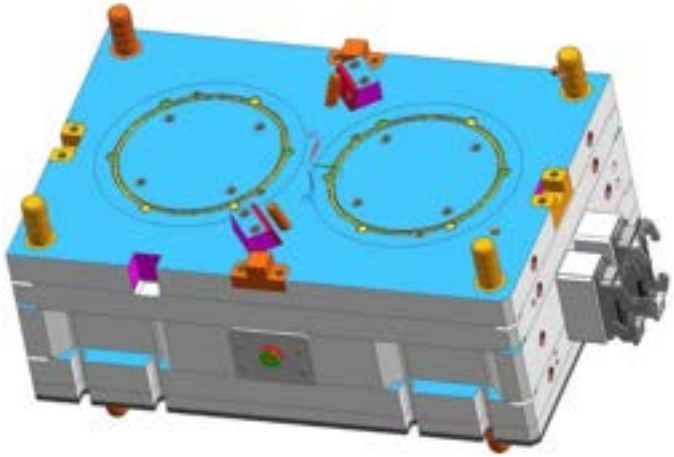
ADAPTER (ABS GF17)

size of mold base (W x L x H)- 446x696x513

(production mold – 2CAV. – HOR RUNNER SYSTEM [manifold + 2x nozzle])

Plastic Injection Molds



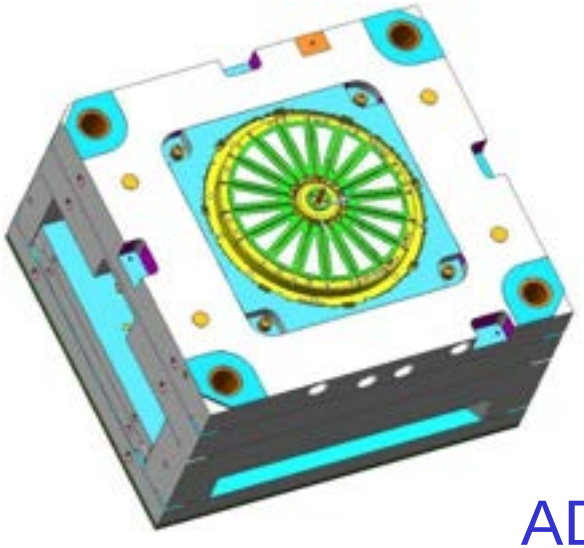


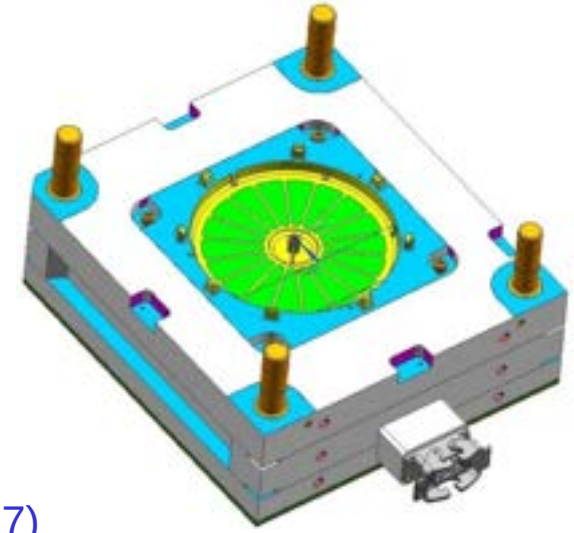
ADAPTER (overmolding; SEBS)

size of mold base (W x L x H)- 446x696x537

(prod.mold–2CAV.–HOT RUNNER SYSTEM with VELVE NOZZLE[manifold + 4x nozzle]–the ability to produce two type of ref.)

Plastic Injection Molds



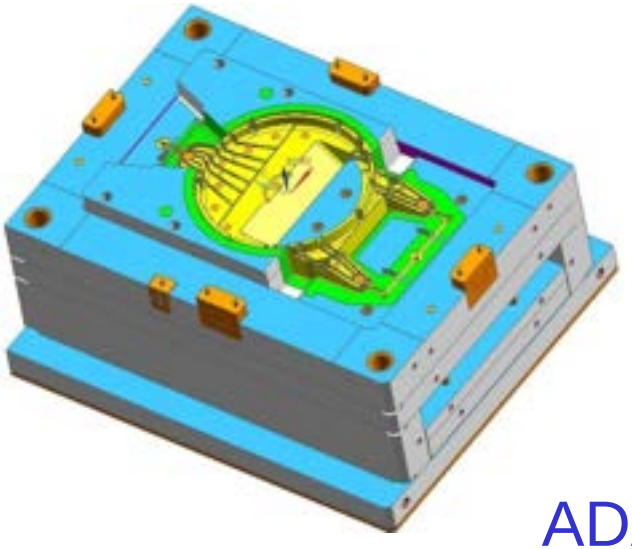


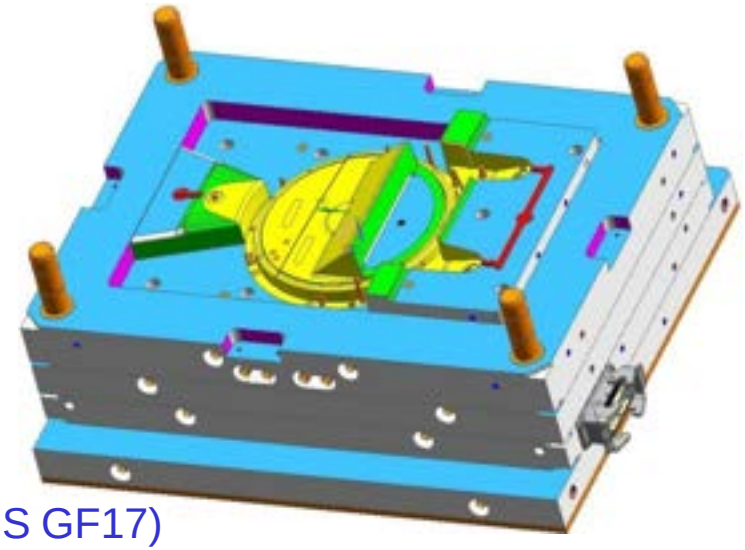
ADAPTER (PC/ABS GF17)

size of mold base (W x L x H)- 446x496x429

(production mold – 1CAV. – CENTRAL HOT NOZZLE)

Plastic Injection Molds



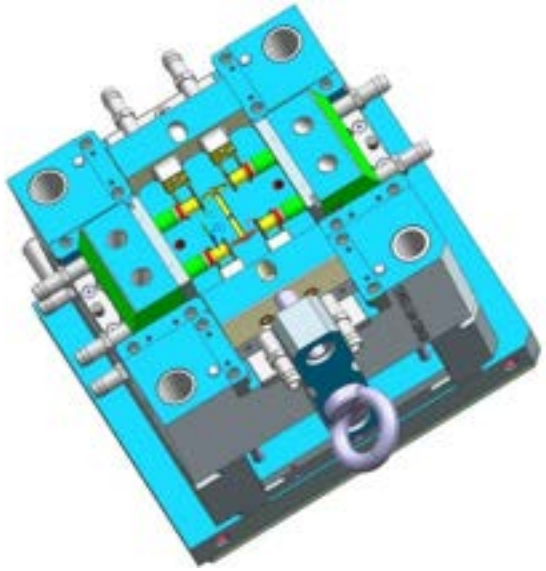


ADAPTER (PC/ABS GF17)

size of mold base (W x L x H)- 496x696x495

(production mold – 1CAV. – HOT RUNNER SYSTEM [manifold + 2x nozzle] – the ability to produce two type of references)

Plastic Injection Molds



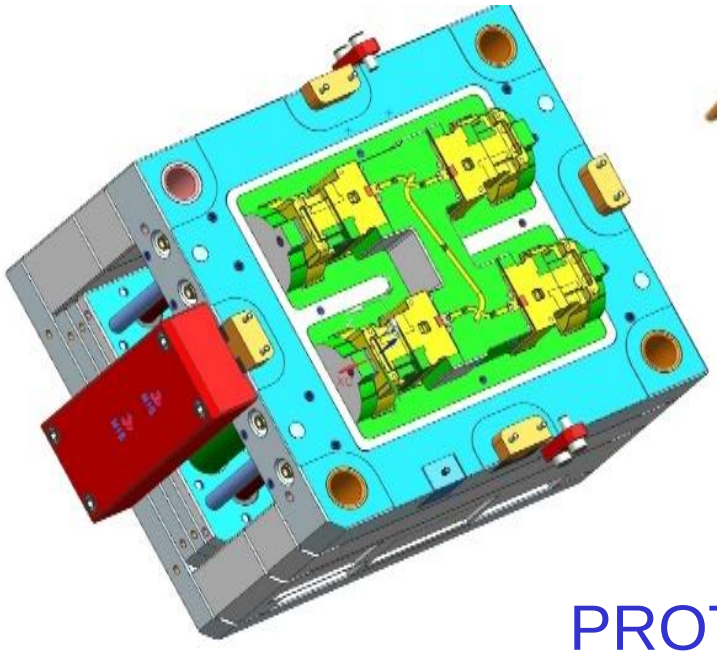
TENSOR (SAN)

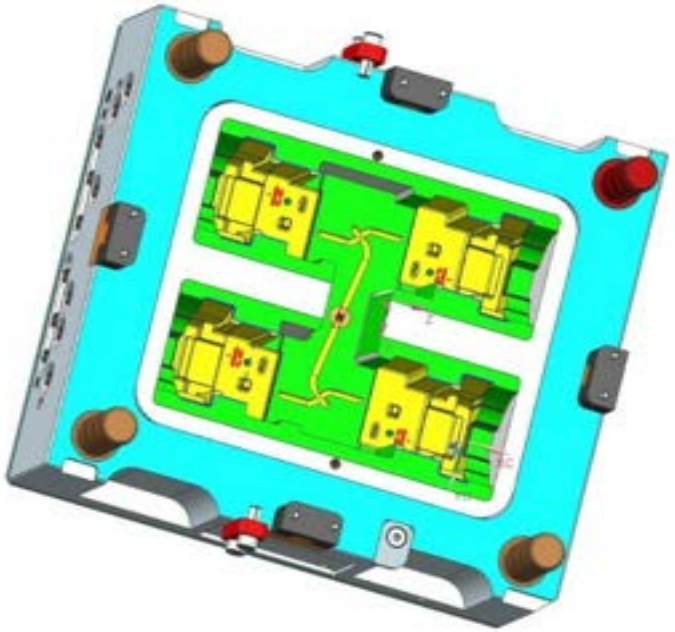
size of mold base (W x L x H)- 246x246x317

(production mold – 4CAV.)

TOOLS PROJECT

Plastic Injection Molds



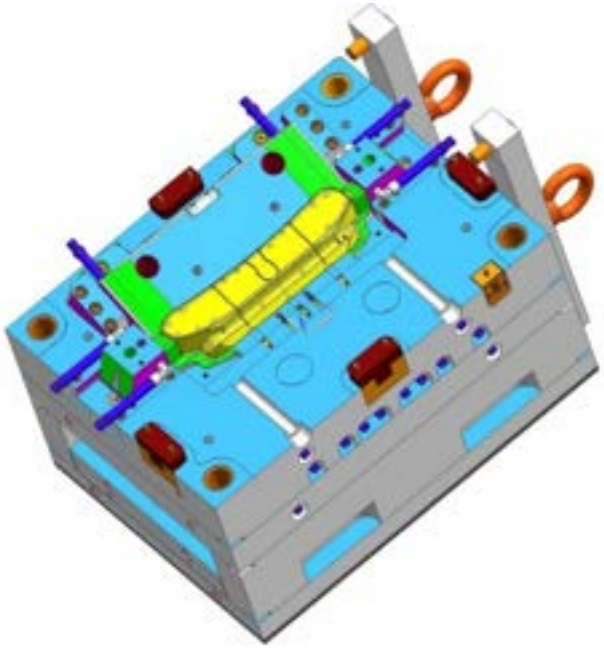


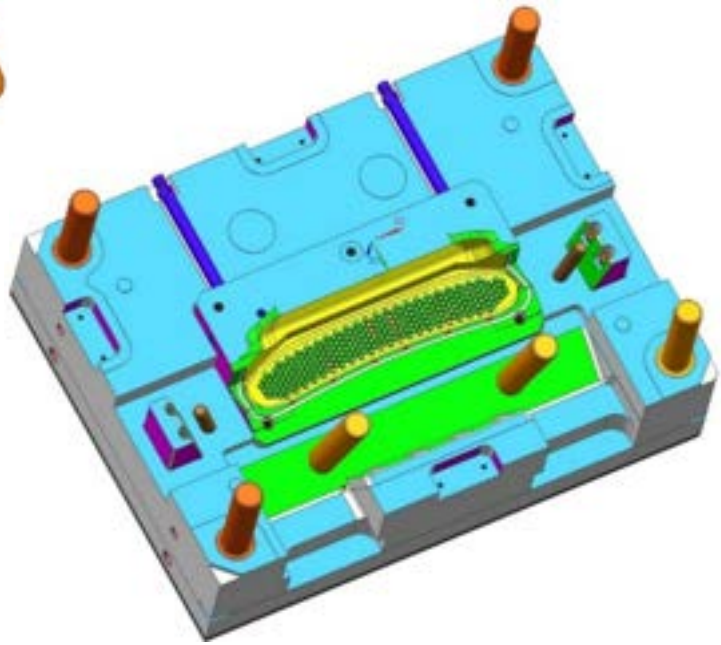
PROTECTOR (PP FV0)

size of mold base (W x L x H)- 396x446x411

(production mold – 4CAV.)

Plastic Injection Molds



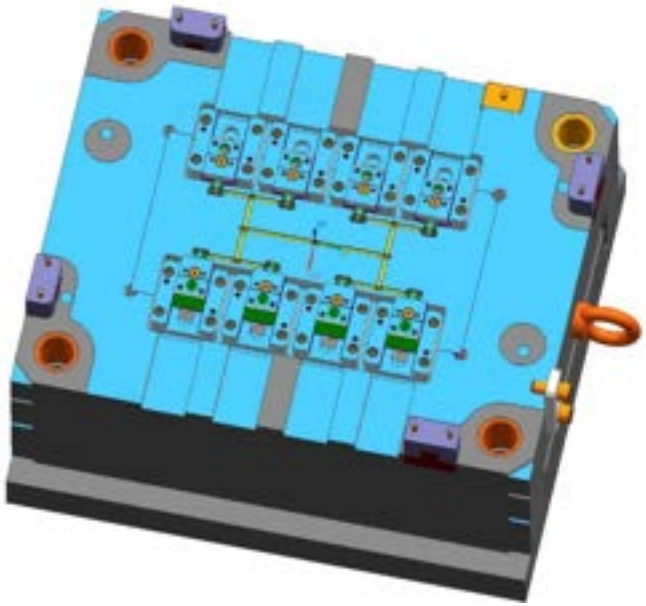


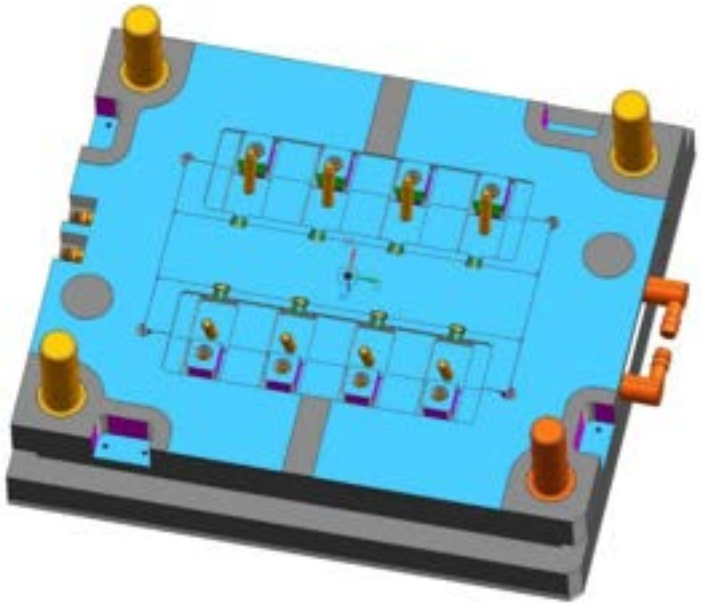
SHIELD (PP TV30)

size of mold base (W x L x H)- 446x596x453

(production mold – 1CAV.)

Plastic Injection Molds



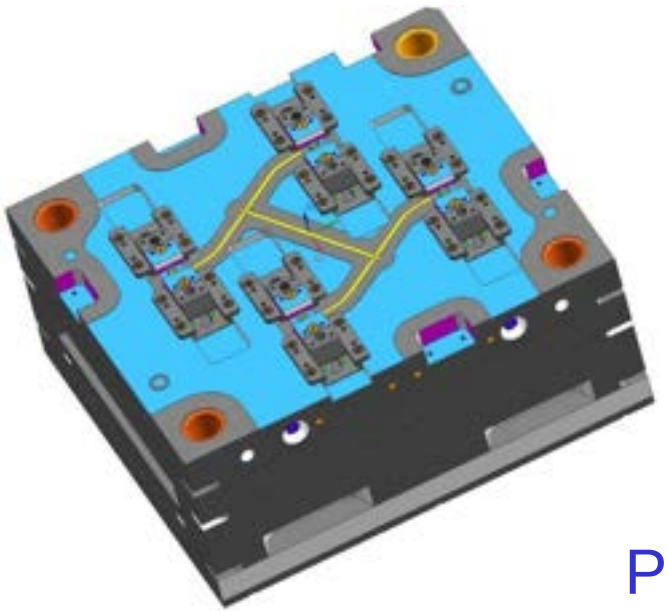


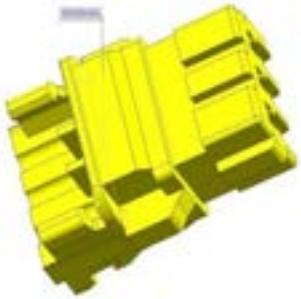
PLUG_7 (PA66)

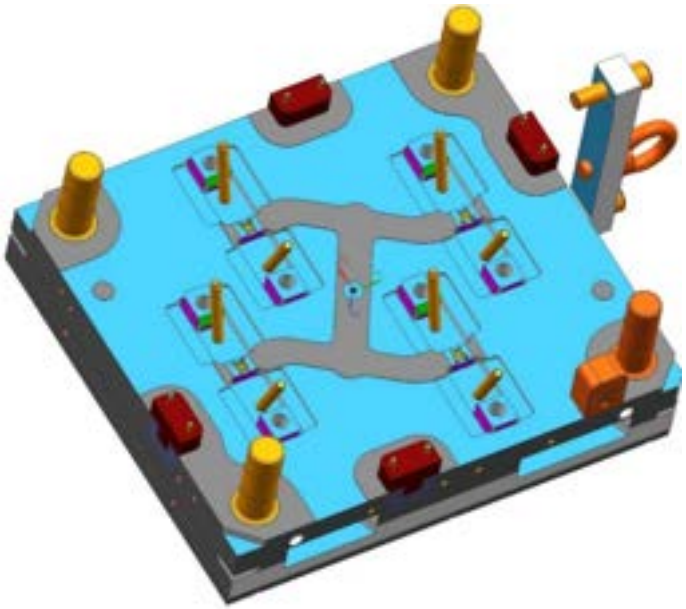
size of mold base (W x L x H)- 396x496x303

(production mold – 8CAV.)

Plastic Injection Molds





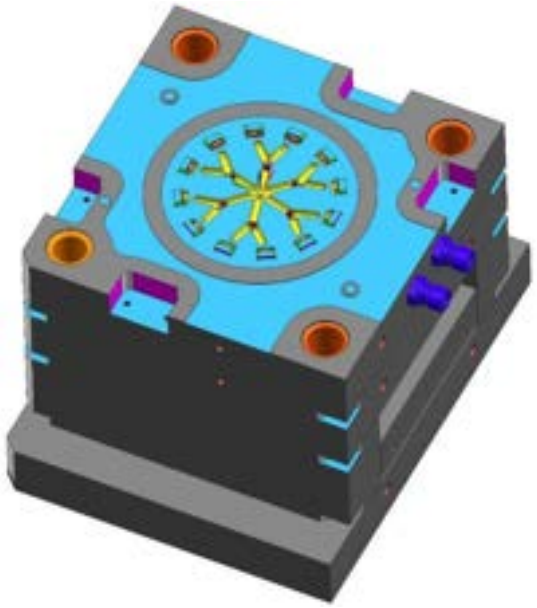


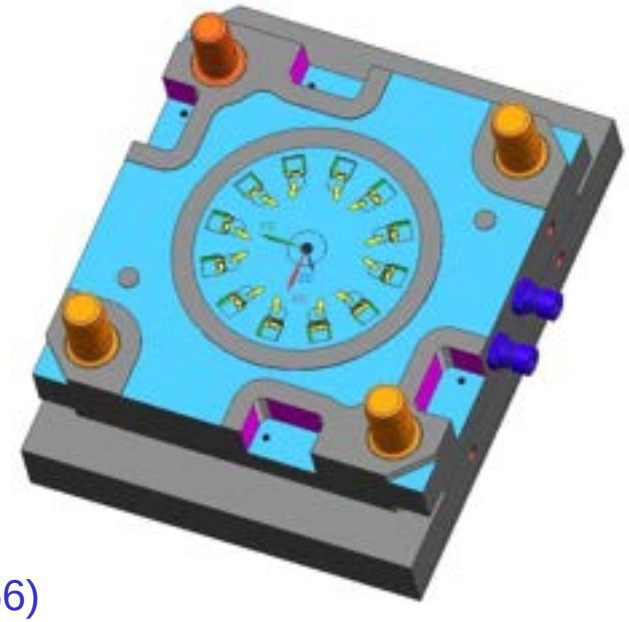
PLUG_3 (housing; PA66)

size of mold base (W x L x H)- 396x446x275

(production mold – 4CAV.)

Plastic Injection Molds



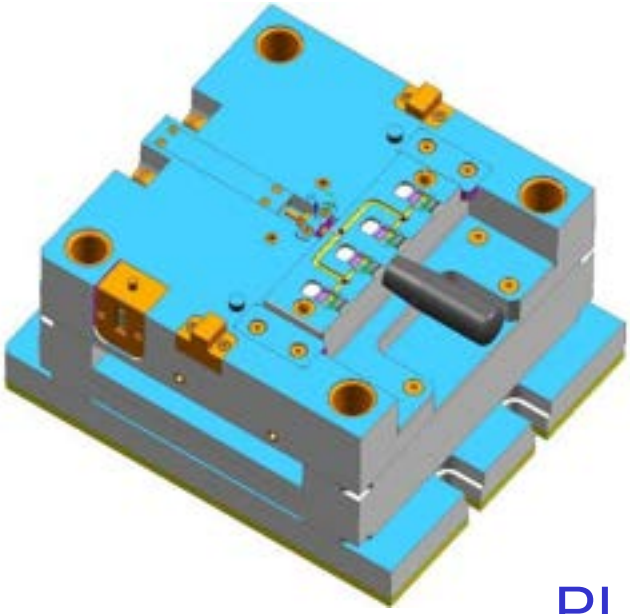


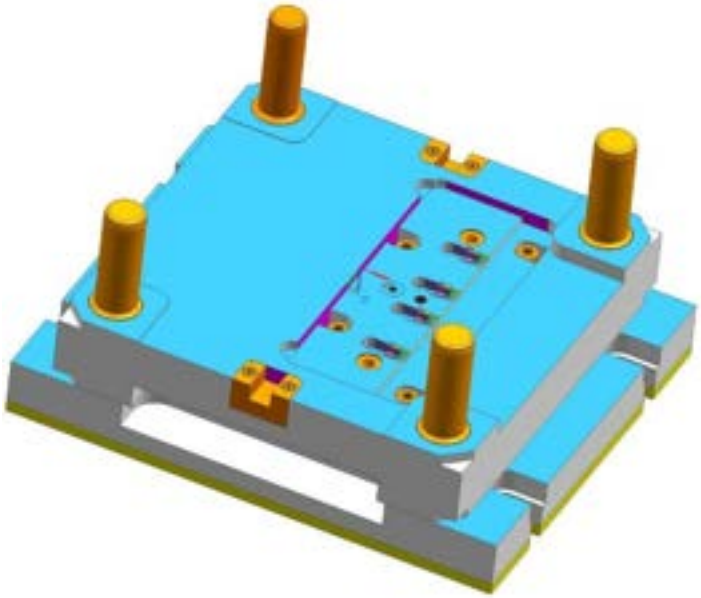
PLUG_3 (flap; PA66)

size of mold base (W x L x H)- 196x196x228

(production mold – 12CAV. – the ability to produce two type of references)

Plastic Injection Molds



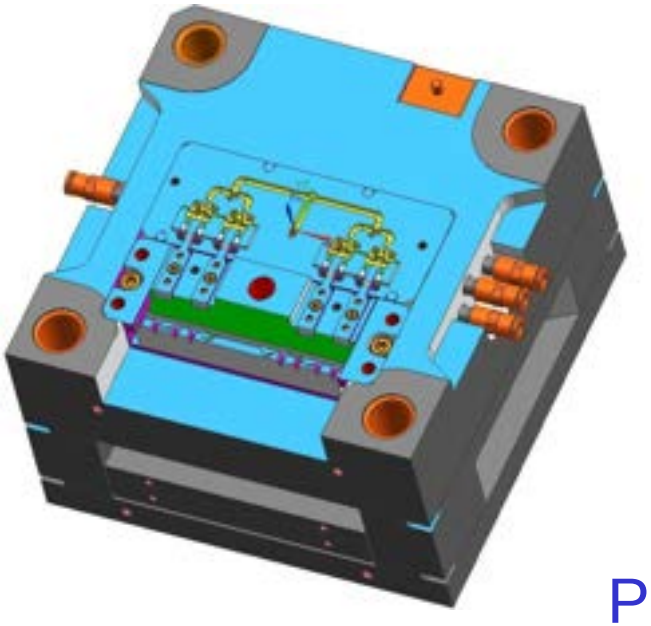


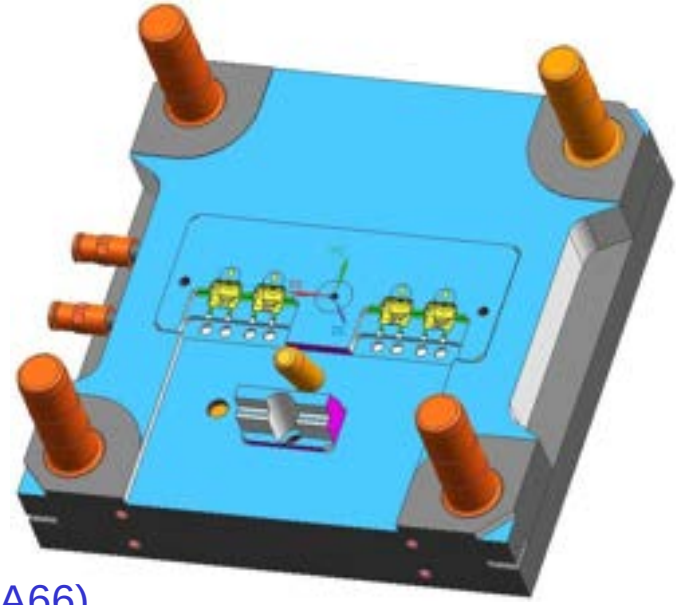
PLUG_3 (overmolding; PA66)

size of mold base (W x L x H)- 246x246x226

(production mold– 4CAV.)

Plastic Injection Molds



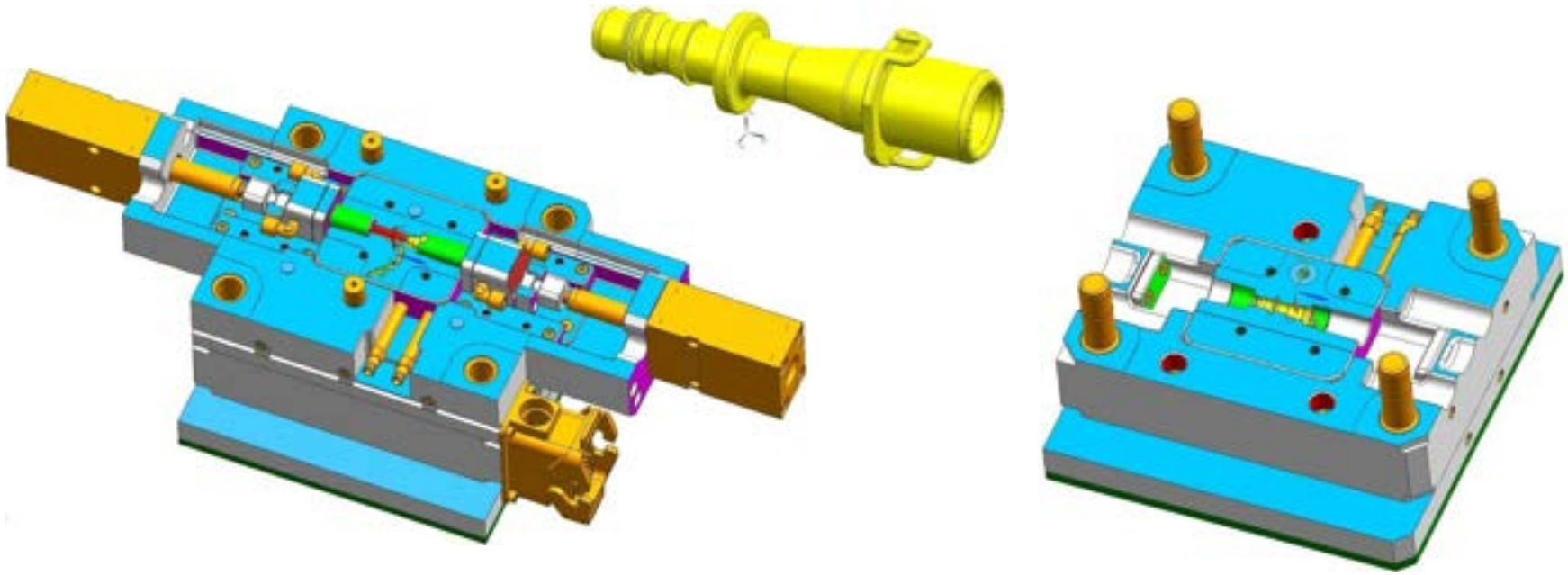


PLUG (overmolding; PA66)

size of mold base (W x L x H)- 246x246x193

(production mold – 4CAV.)

Plastic Injection Molds



SIMPLE CONNECTOR (POM)

size of mold base (W x L x H)- 190x246x226

(prototype mold – 1CAV.)

Plastic Injection Molds

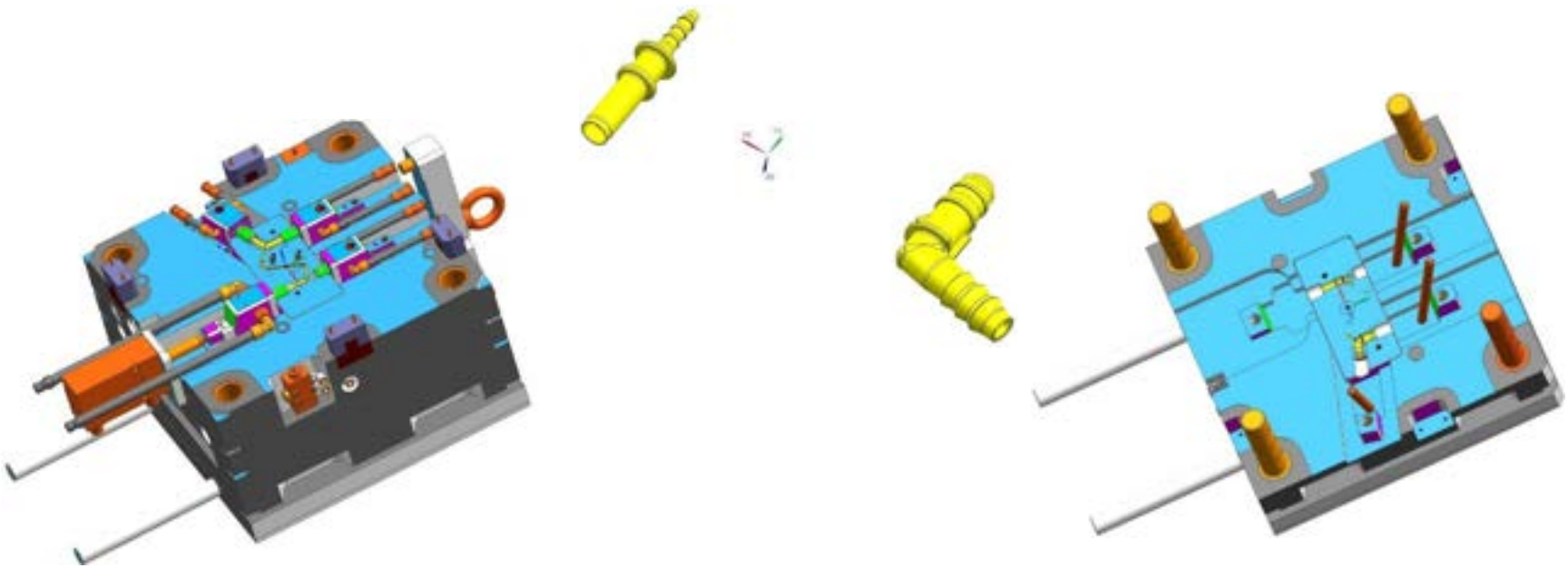
COVER (POM)

size of mold base (W x L x H)- 246x296x358

(prototype mold – 1CAV.)

TOOLS PROJECT

Plastic Injection Molds

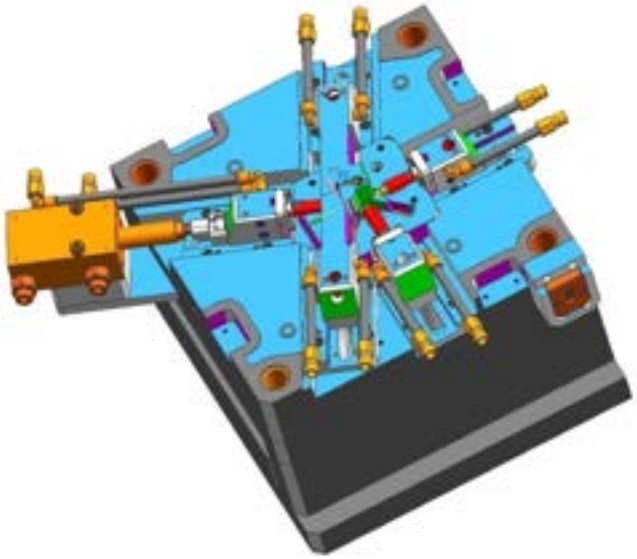


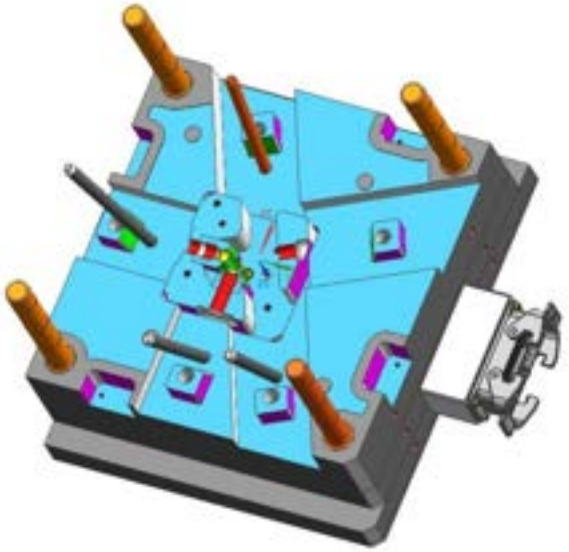
SIMPLE CONNECTOR + ANGLE CONNECTOR (POM)

size of mold base (W x L x H)- 396x396x292

(prototype mold – 2CAV.[1+1])

Plastic Injection Molds



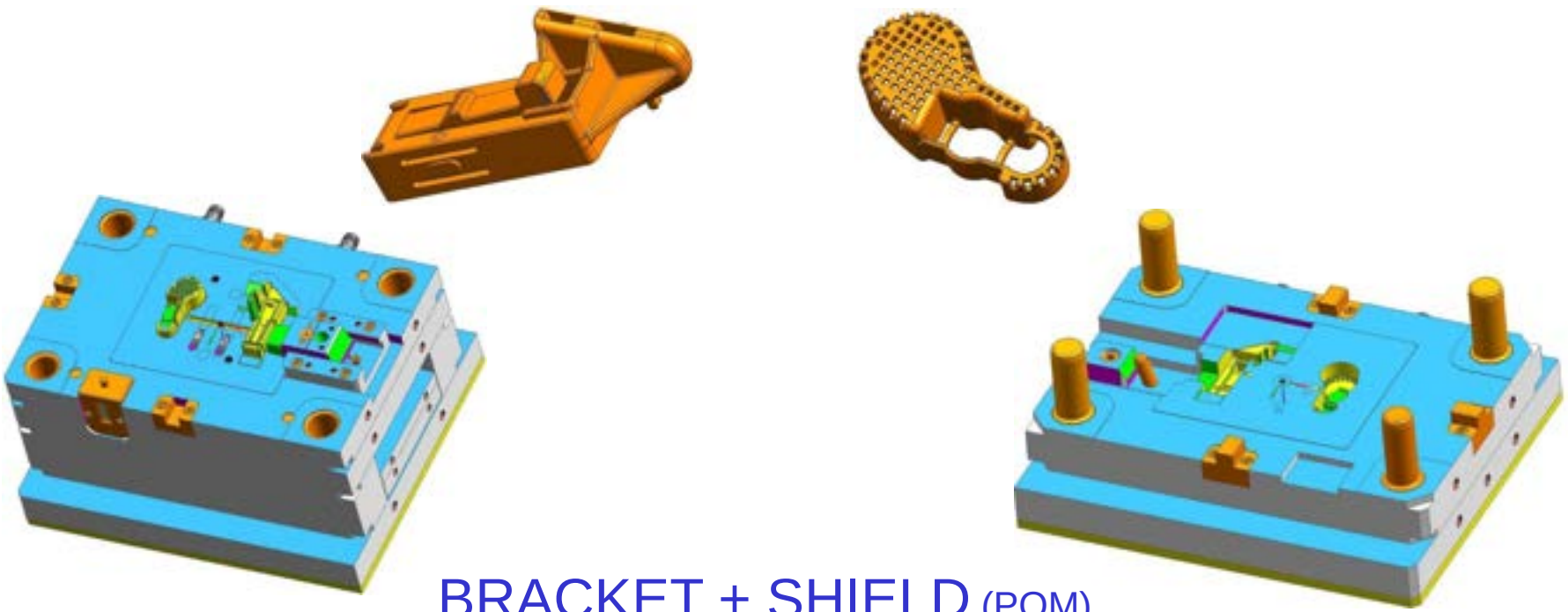


MULTICONNECTOR (POM)

size of mold base (W x L x H)- 346x346x358

(prototype mold – 1CAV.)

Plastic Injection Molds

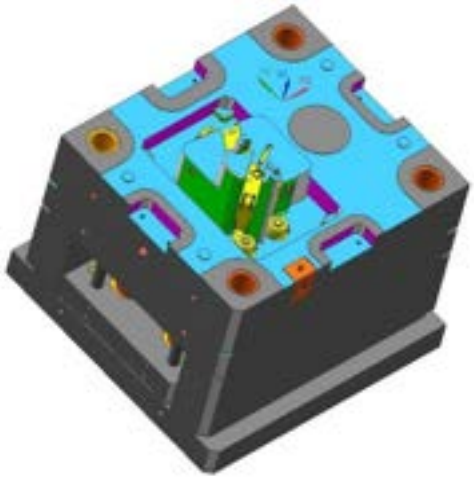


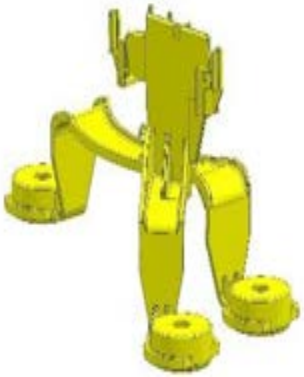
BRACKET + SHIELD (POM)

size of mold base (W x L x H)- 196x296x214

(prototype mold – 2CAV.[1+1])

Plastic Injection Molds



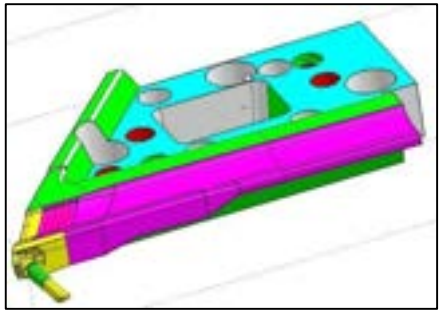
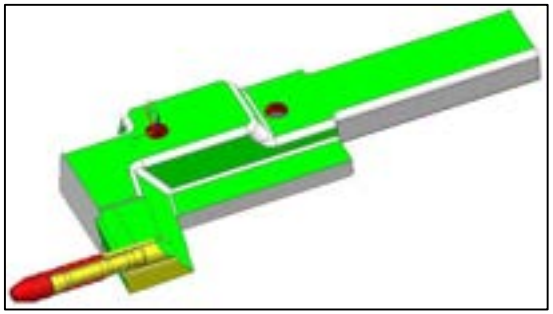
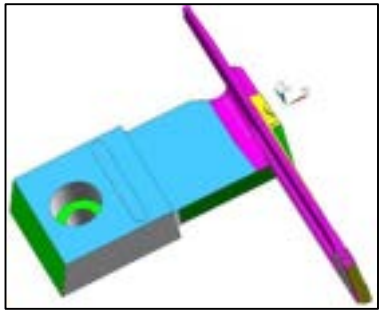
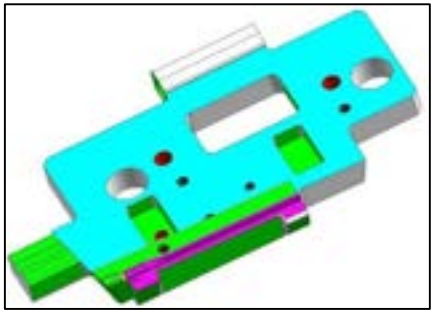
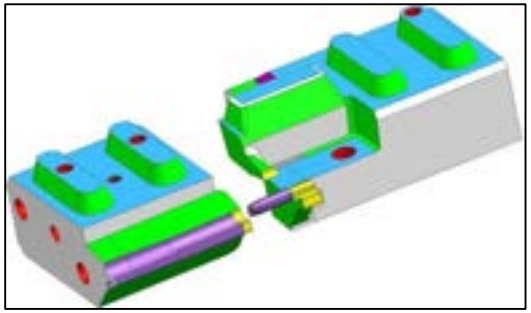
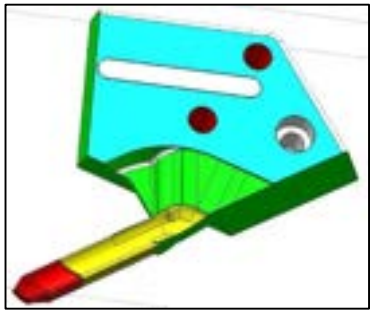


BRACKET (POM)

size of mold base (W x L x H)- 346x396x483

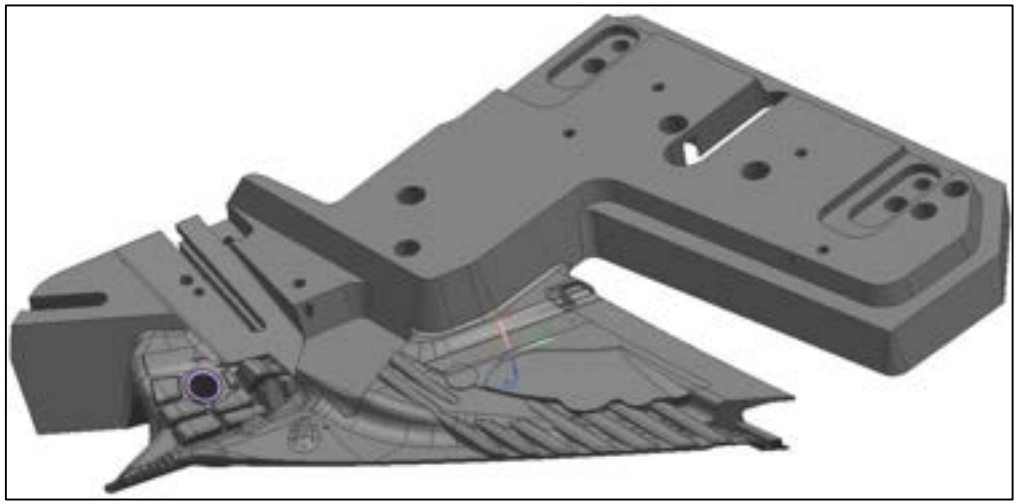
(prototype mold – 1CAV.)

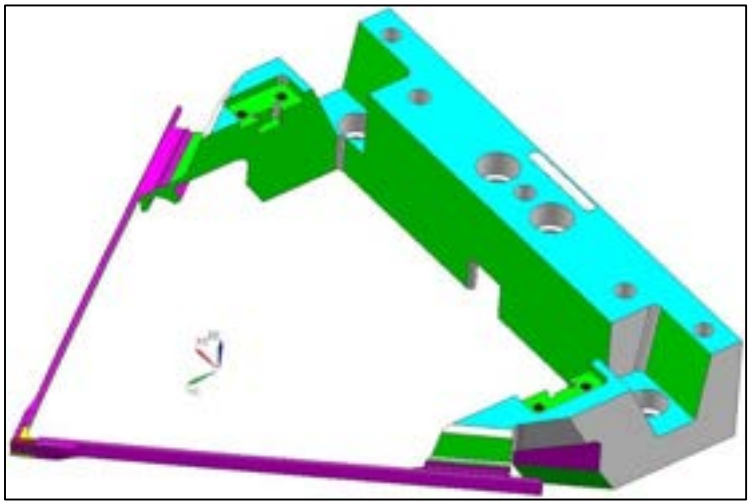
Spare Parts

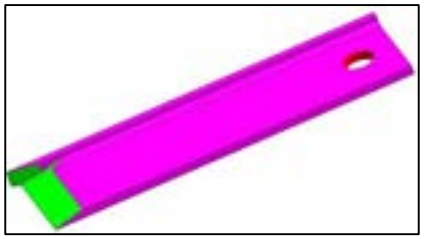
MOLDING ELEMENTS

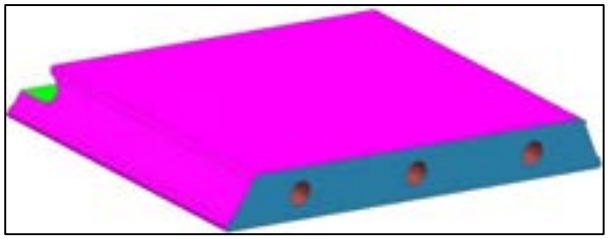
Spare Parts

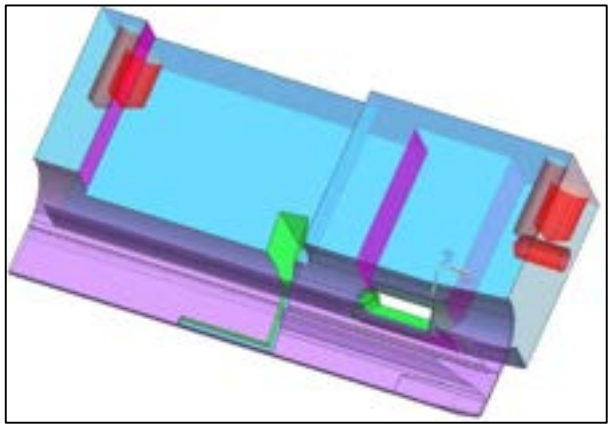


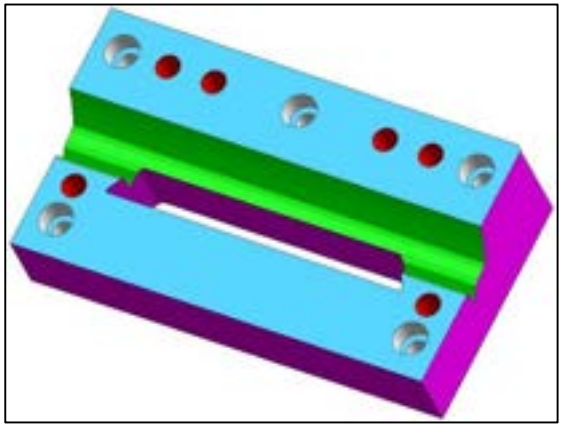


Spare parts









TOOLS PROJECT

Suppliers of Materials, Components, and Hot Runner Systems

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Welcome to cooperation!

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