

End to End Manufacturing services

Service Overview



Intronex.tech



OUR MISSION

We believe that quality and simplicity is the key to success. By delivering precise and supreme quality design deliverables we make sure our customers have minimal rework thereby reducing the overall cost leading to increased productivity and customer satisfaction.



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OUR-SERVICES

PRESS TOOL & MOULD

- ✓ Progressive tool
- ✓ Single tool
- ✓ Combination tool
- ✓ Stage tool
- ✓ Transfer tool
- ✓ Panel dies
- ✓ Injection Mould
- ✓ Two-shot injection Mould
- ✓ In-Mold Decoration (IMD)
- ✓ Single & multi cavity Mould



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DESIGN PROCESS



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Mission & Vision:

To become one of the most preferred Technology Services and Solutions Partners for engineering companies leading innovation at the intersection of the digital and physical world.



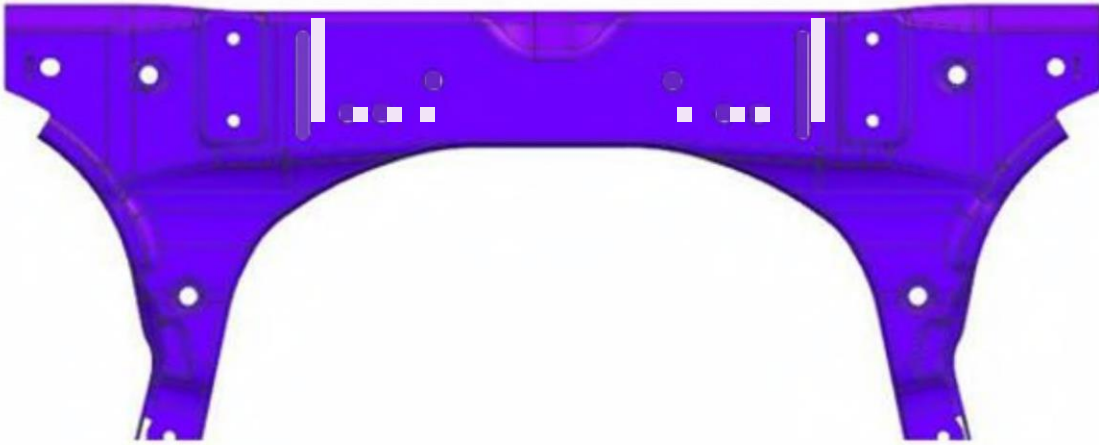
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Our Previous Projects and Accomplishments

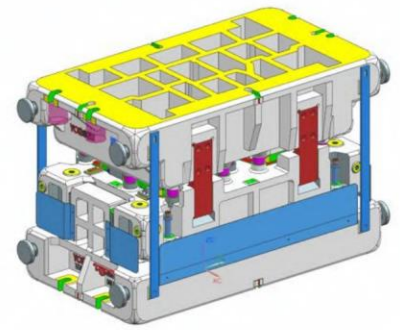


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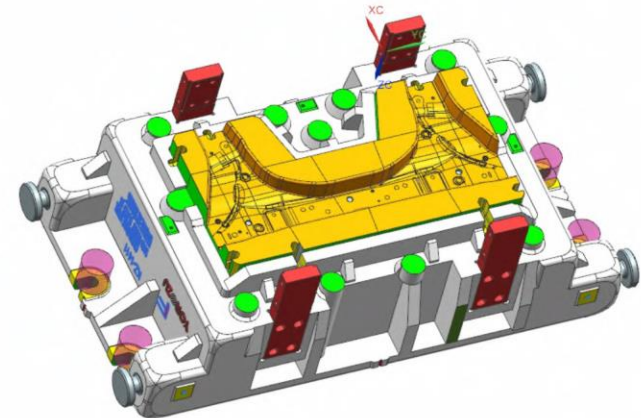
DRAW-TRANSFER TOOL



Customer - Yorozu_JBM
Part Name- Center frame upper (BIW Part)
Sheet Thickness- 1.8mm
Number of stages - 6
Draw - Casting Tool
Press - 600T
Software used - UG-NX
Number of trails - 5
Final completion of design took 3 weeks due to multiple revisions to feed height from the customer.

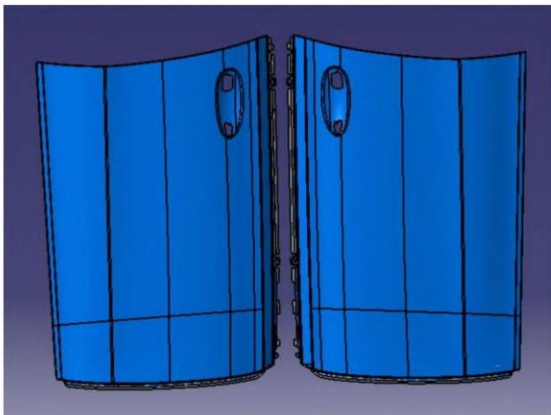


BOTTOM HALF



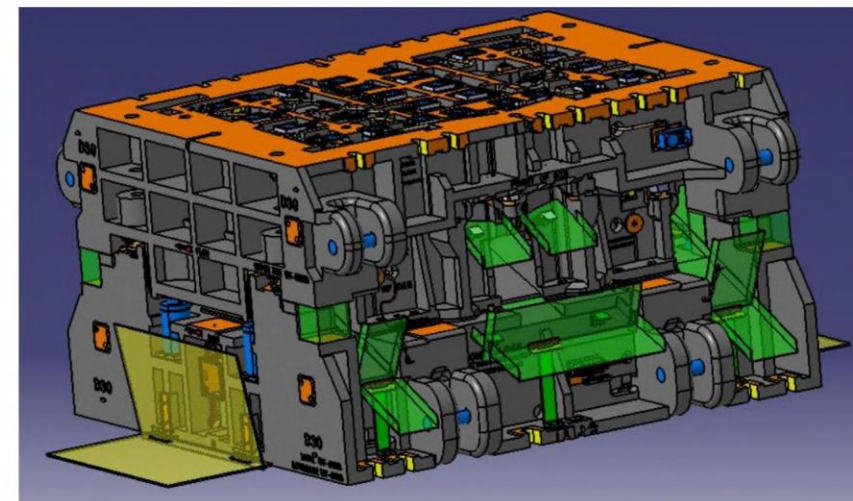
UPPER HALF

PANEL DIE - ROBOTIC

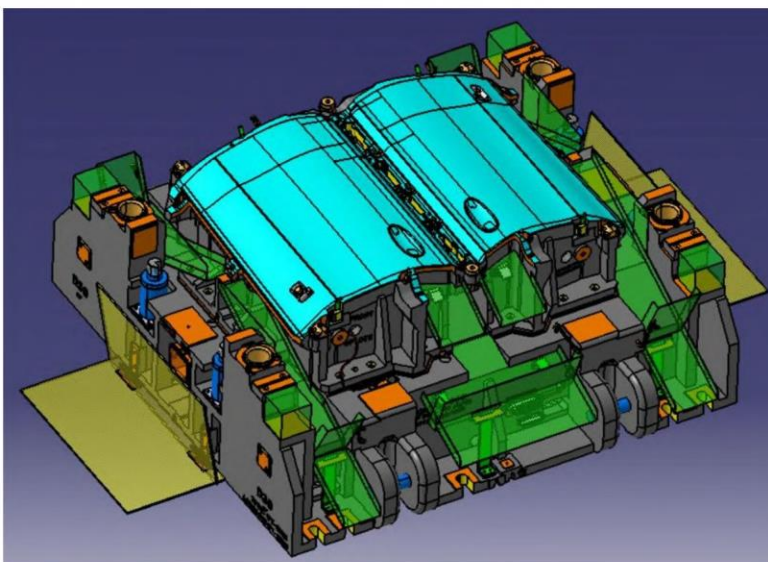


FINAL PART

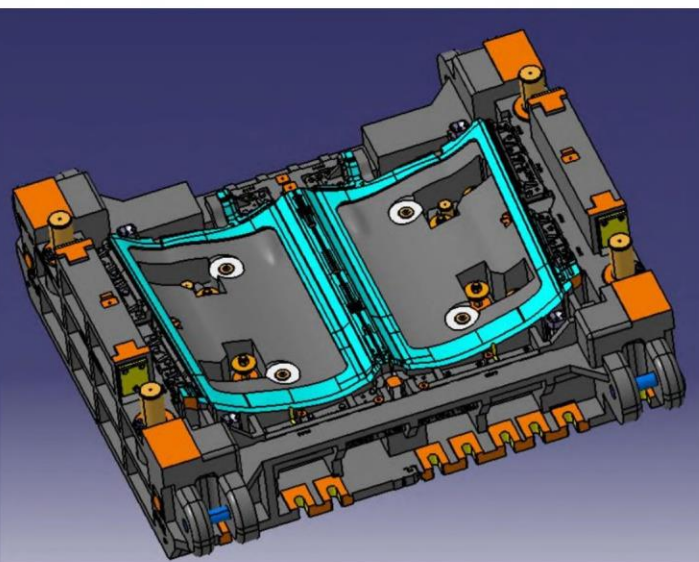
Trim Tool
Outer door panel
Sheet thickness - 1.15
Number of stages - 5
Press - 1500T
Software used - Catia



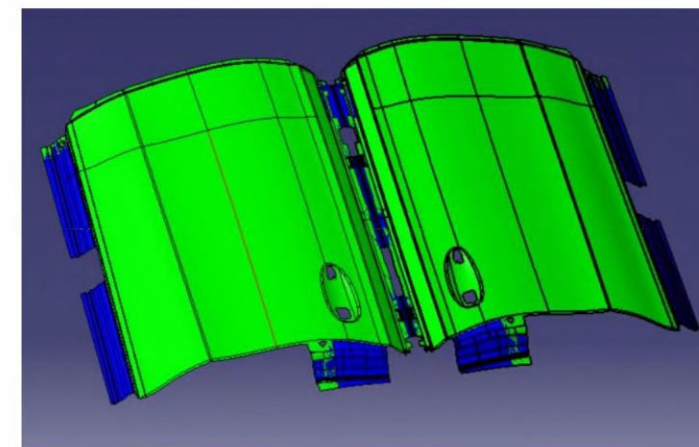
Isometric view - Trim Tool Assy



Lower Half

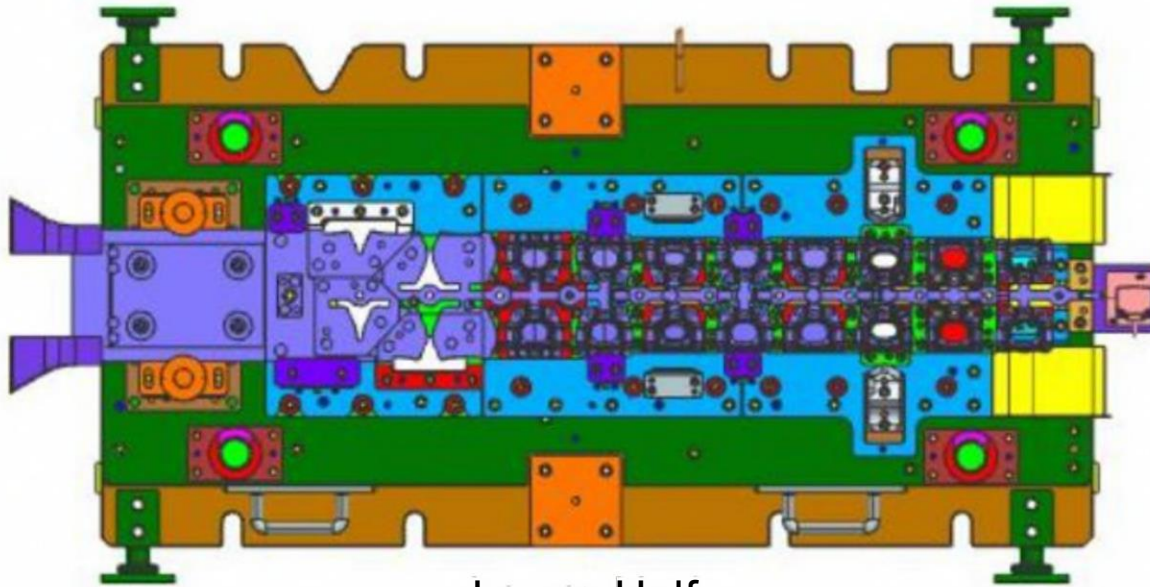


Upper Half

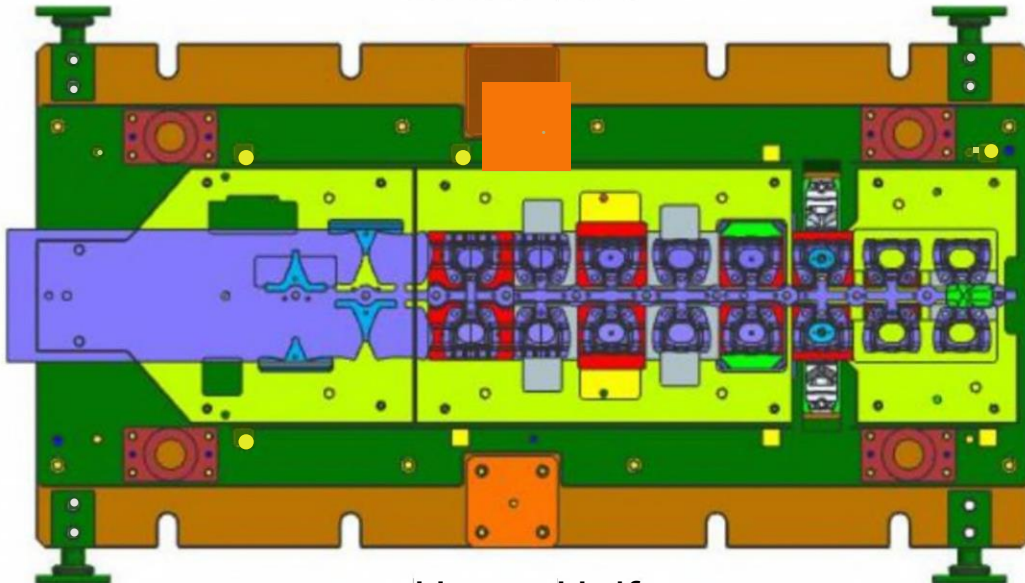


Trim input and output

PROGRESSIVE TOOL

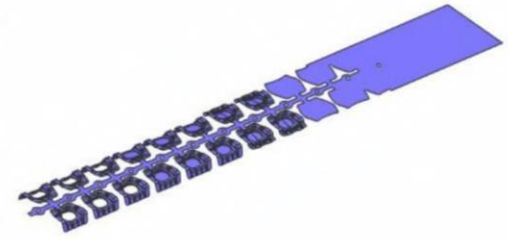


Lower Half

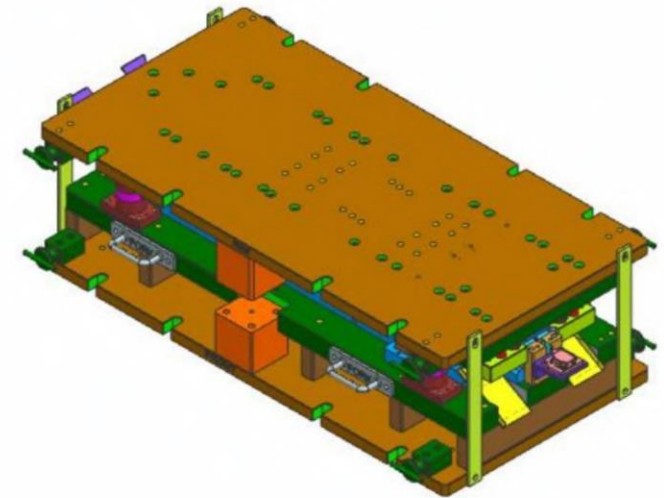


Upper Half

Customer - TTIA (Toyota)
Automotive Part for vehicle
Progressive Tool - Plate type Tool
Press - 600T
Software used - UG-NX
Std cam used for profile PI
No of trail- 3



Final strip layout



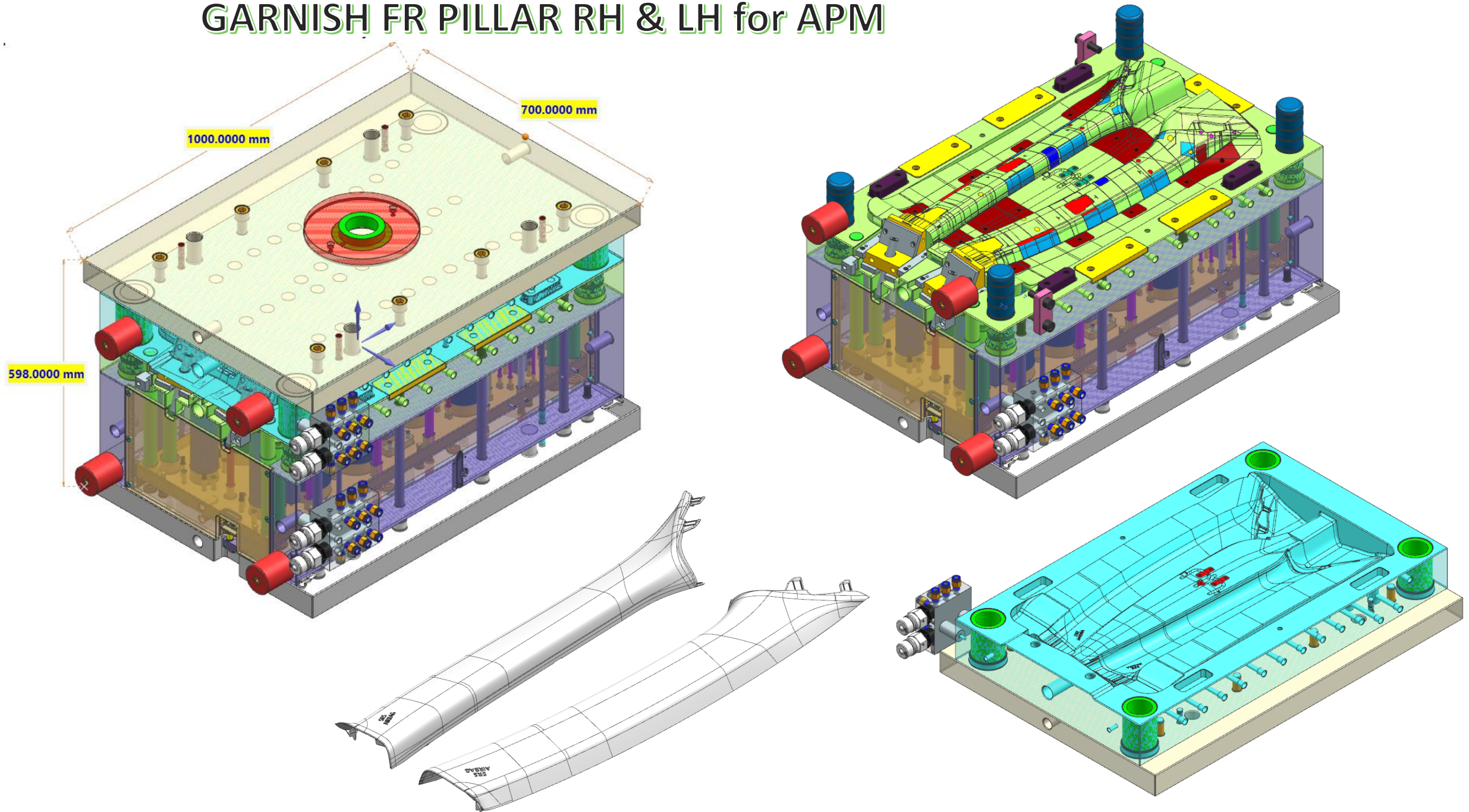
Isometric View - Tool Assy

Challenges faced on design.

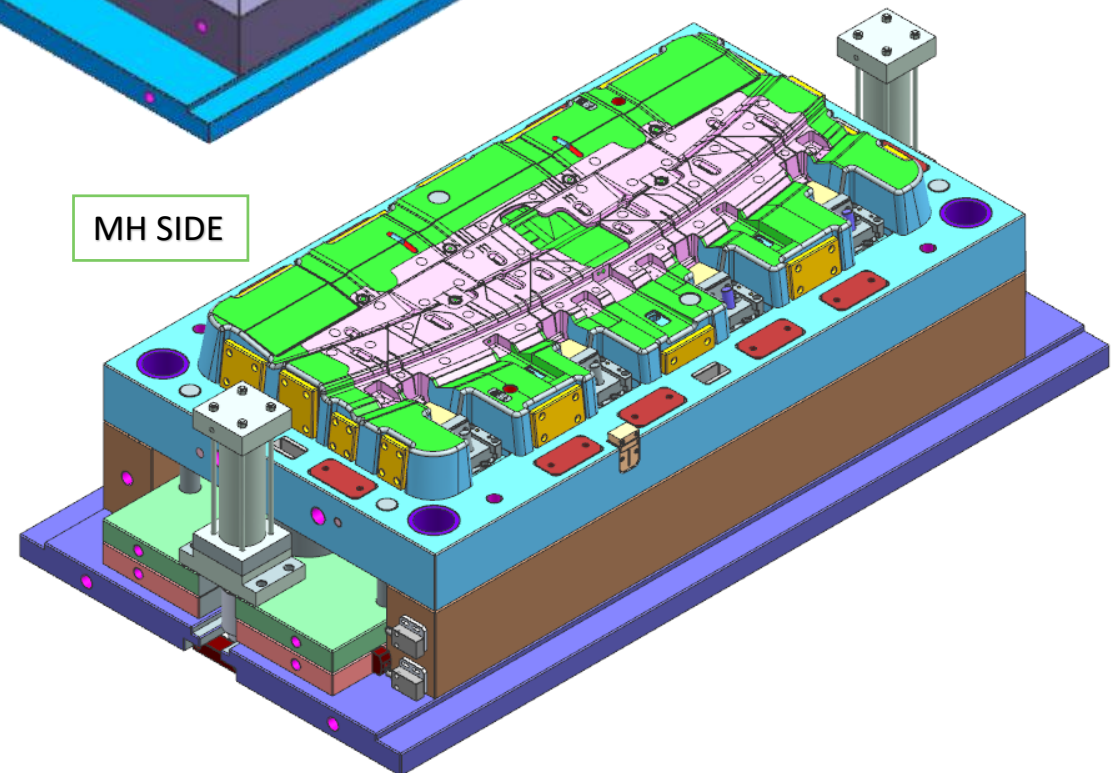
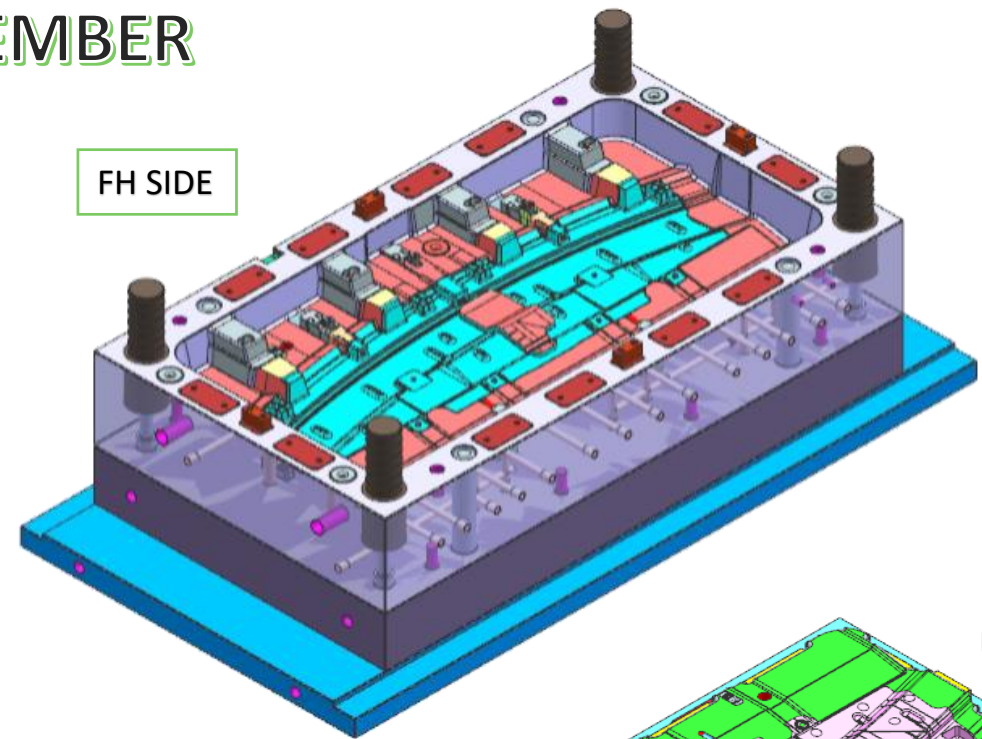
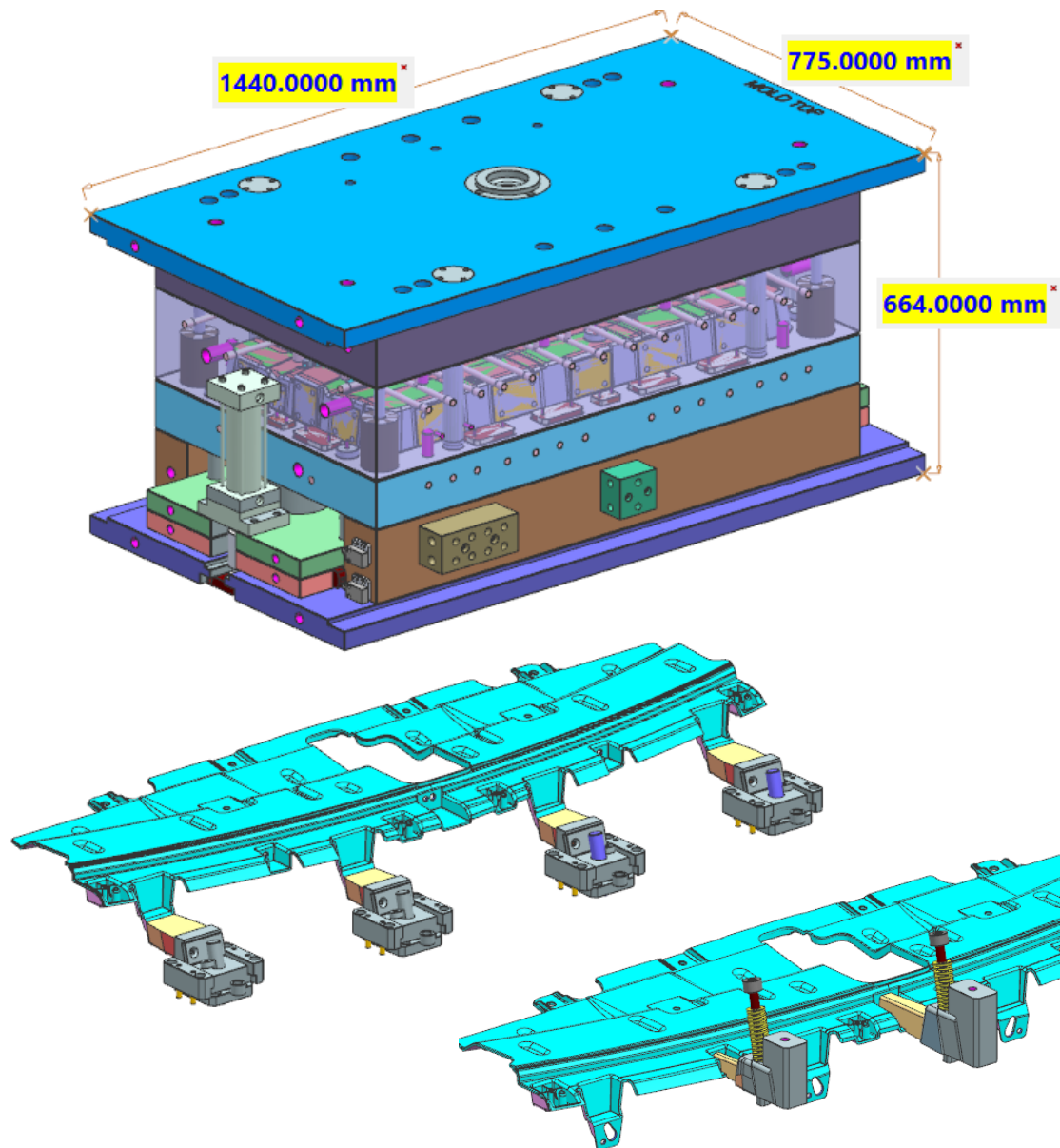
The limitations of space.

We designed the entire tool in casting type, but the customer later changed it to plate type. Our parametric design standard allows us to convert the tool in two days.

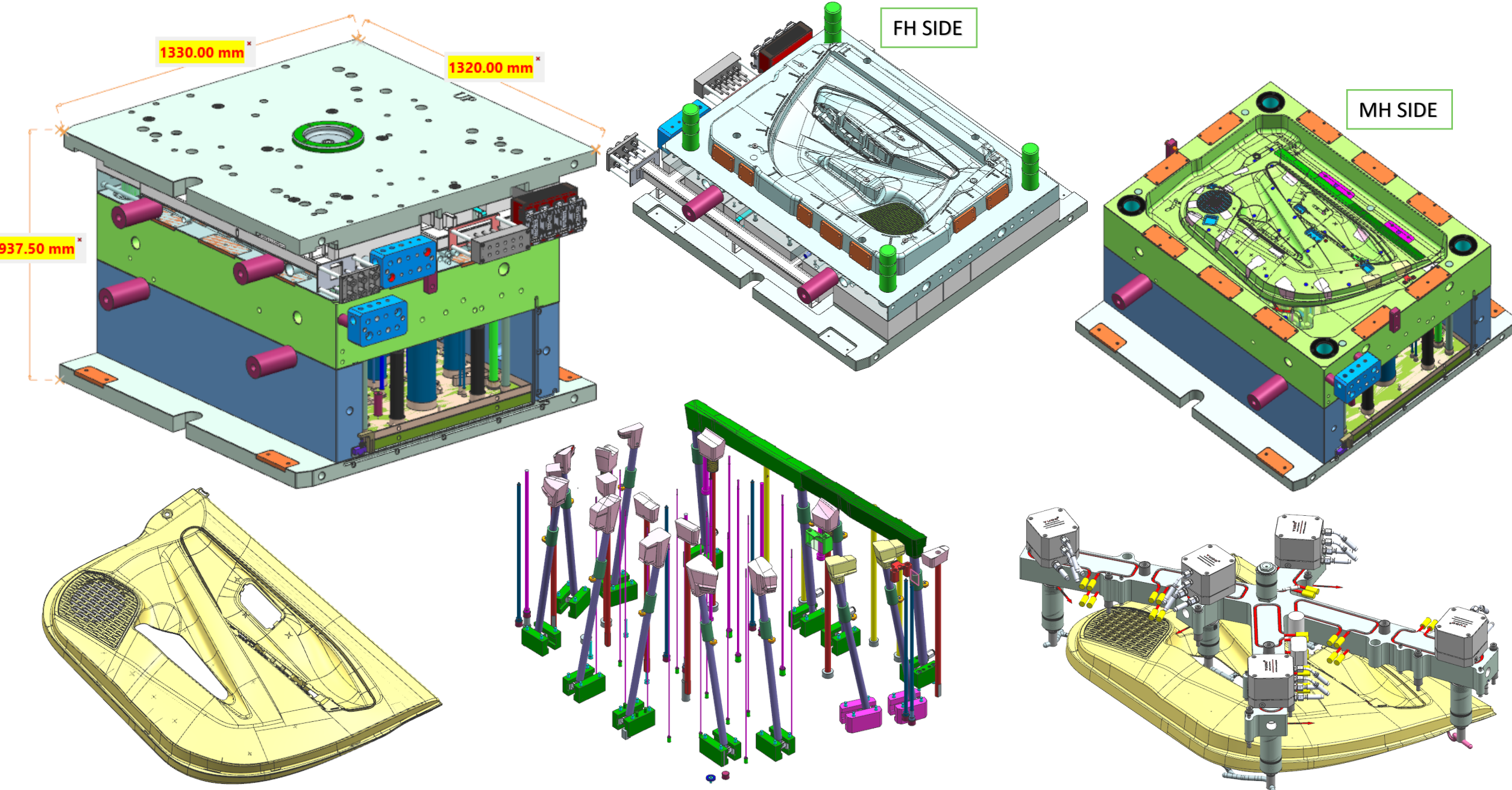
GARNISH FR PILLAR RH & LH for APM



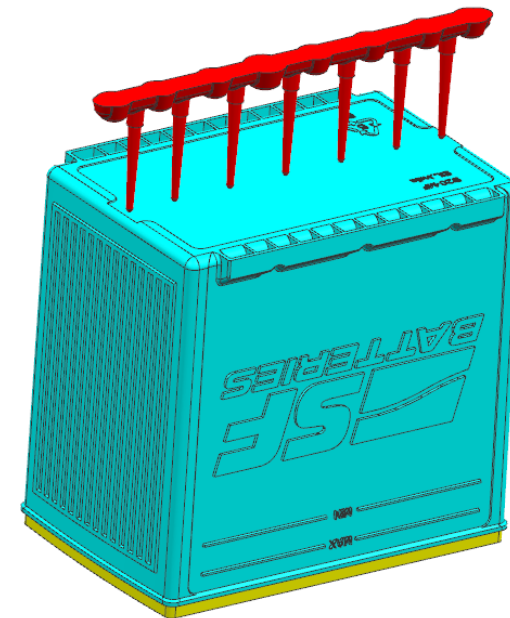
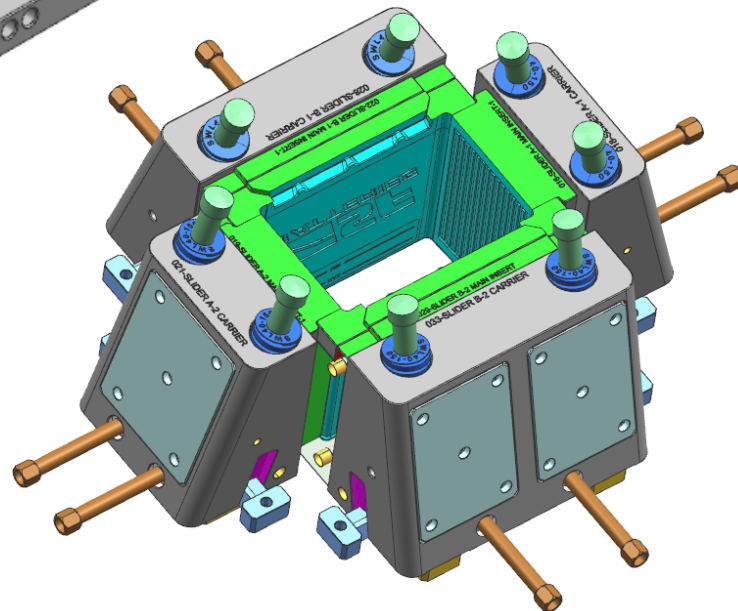
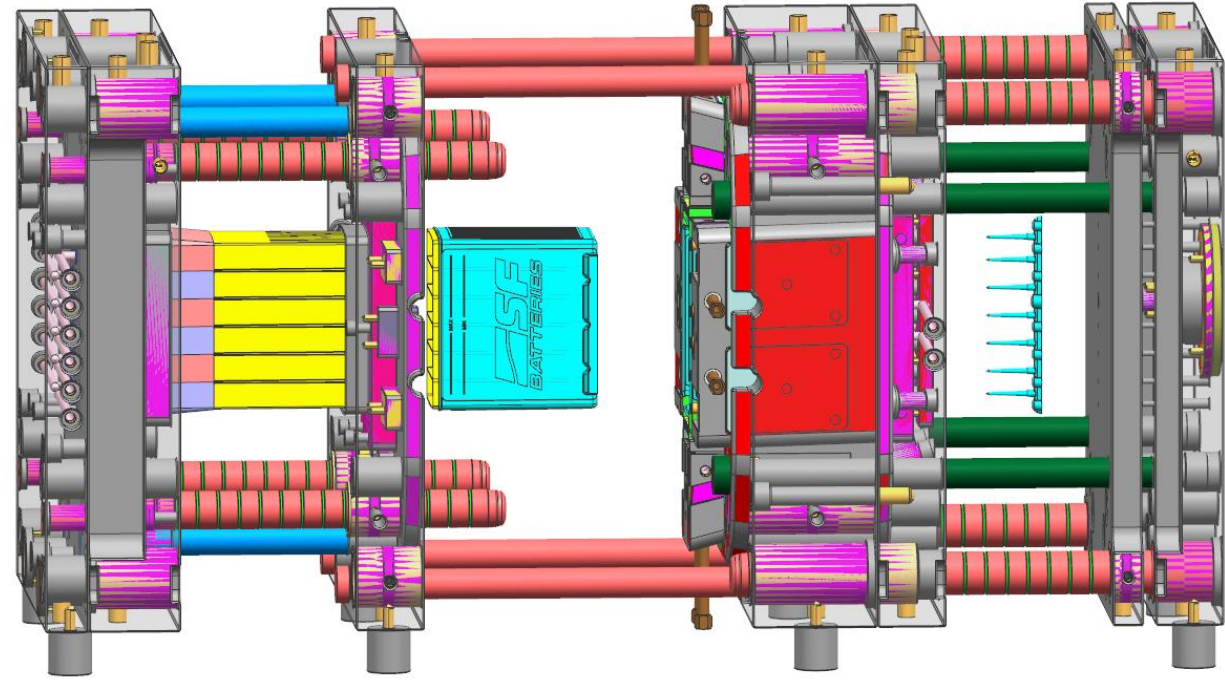
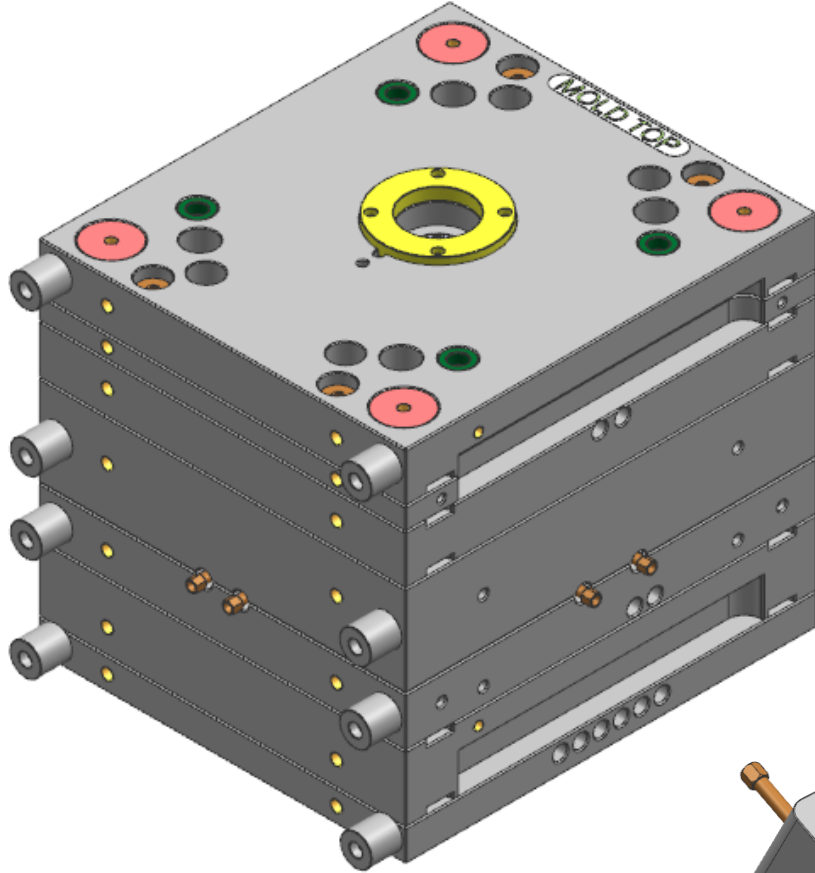
FRONT GRILL UPPER REAR MEMBER



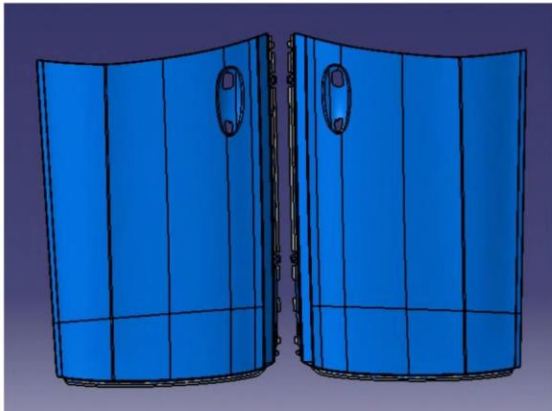
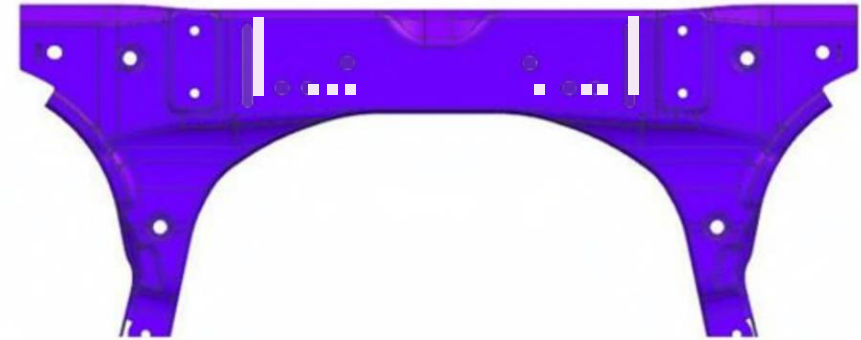
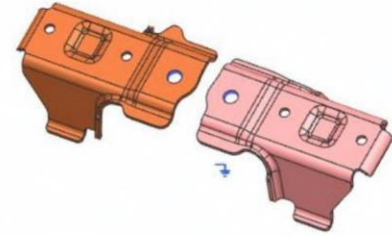
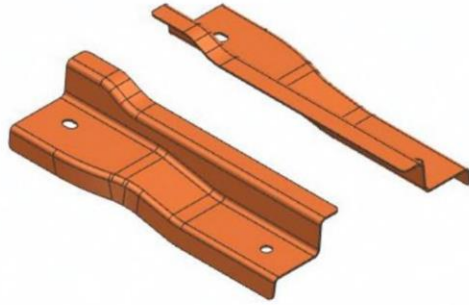
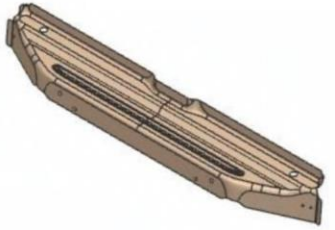
DOOR TRIM FRONT RH for APM



ISS M42 EXIDE CONTAINER



SPECIALIZED COMPONENTS IN ASSOCIATED PROJECTS



OUR CUSTOMERS



**Mahindra &
Mahindra**

Faurecia

MAGNA



KAMAZ



TATA MOTORS

TTIA

TTID



THANK YOU!



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