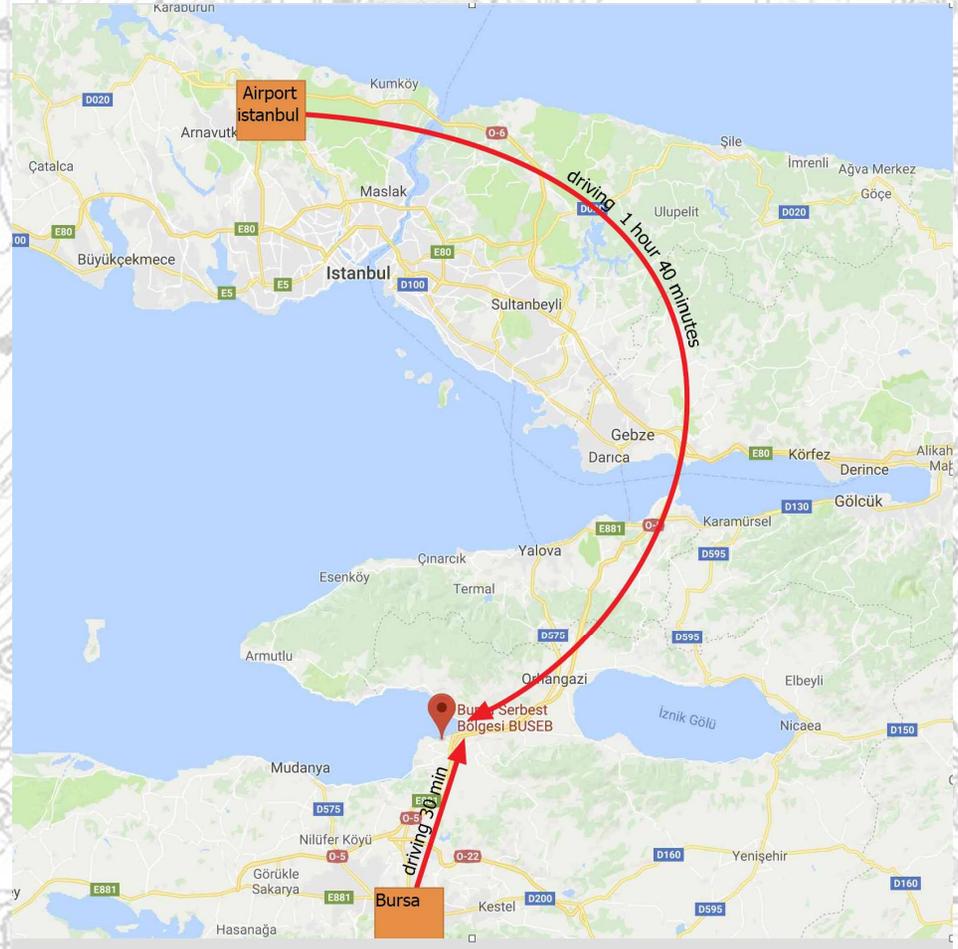




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Istanbul Airport -3A Teknik : Driving 1 hour 40 minutes
Bursa Center -3A Teknik : Driving 30 minutes



More than 25 years experience in Automotive Industry ,

- ✓ Transfer, Progressive , Robot, Prototype, Manual tools to European Market
- ✓ Main experience become Progressive , Transfer Tool Production,
- ✓ Flexible Service , High Technology Tools with Full Service to Customer,(home line try out , after production service)

Personel

➤ Management	3 person
➤ Process Method -Design	4 person
➤ Project Management	2 person
➤ <u>Try out -tool maker</u>	<u>11 person</u>
➤ Total	20 person



TOOLING TECHNOLOGY

About Us

New Machine investment

- 1000 Tons 4,0 mt Table Mechanical Press-New brand
- 300 Tons 2,2 mt Table Mechanical Press
- CMM machine 2,1 meter Pc Dimis software
- CNC Machine 3,0 mt x1,5 mt
- CNC Machine 1,0 mt x 0,8 mt
- 2D Laser Cutting Machine 3,0 mt x1,5 mt
- Some Supplementary machines , (Grinder ,Drill etc)





TOOLING TECHNOLOGY

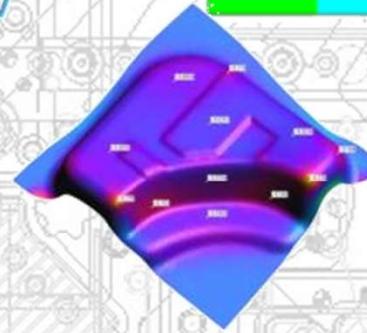
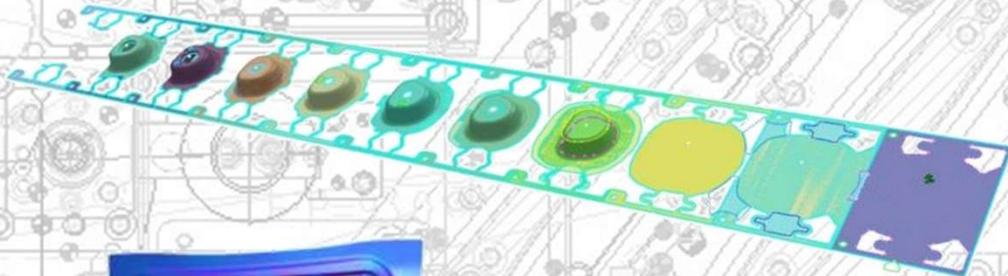
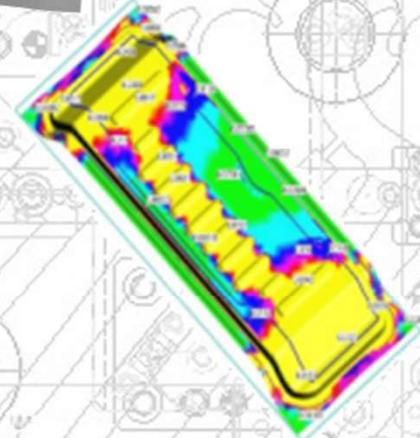
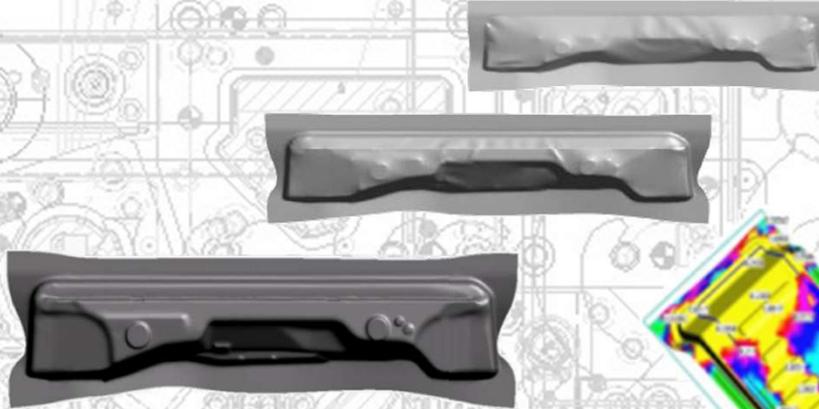
About Us





Simulation

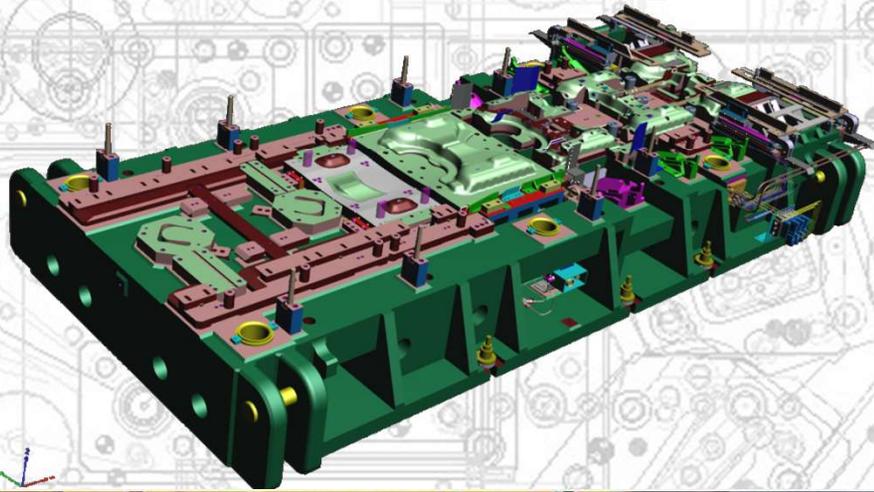
- Layout and Tool process
- Feasibility Study
- Formability
- Thinning
- Max Failure
- Srprign back analysis





TOOLING TECHNOLOGY

Tool Design



Catia -V5-R24



TOOLING TECHNOLOGY

Tool Production



Progressive Tools : Max 1200 tons 5,0 mt.

Transfer Tools : Max 1600 tons 6,0 mt.





TOOLING TECHNOLOGY

Tool Production

Transfer Tools



BENTELER
Automotive

PSA PEUGEOT CITROËN

HY Project –



TOOLING TECHNOLOGY

Tool Production

Progressive Tools



Mercedes-Benz

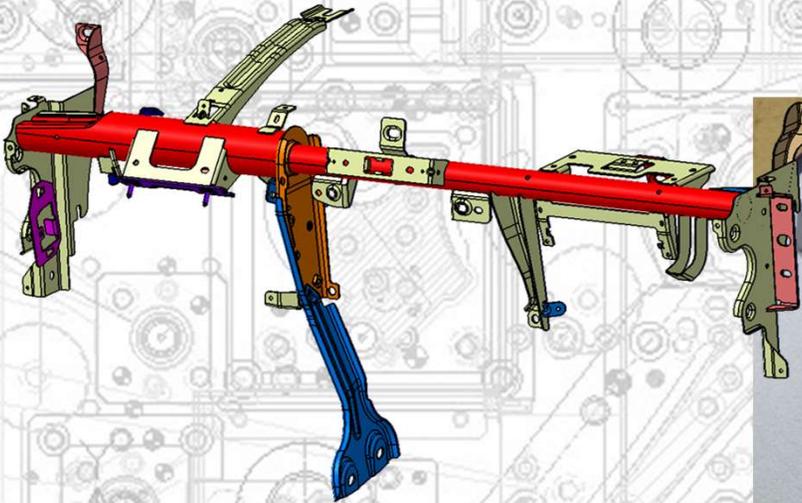
A205 PROJECT – Year 2013



TOOLING TECHNOLOGY

Tool Production

Progressive Tools



BENTELER
Automotive



RENAULT

X 10 PROJECT – year 2012



TOOLING TECHNOLOGY

Tool Production



- Indie Clinching
- Indie Tapping
- Indie Transfer
- Tox Connection



TPV GROUP



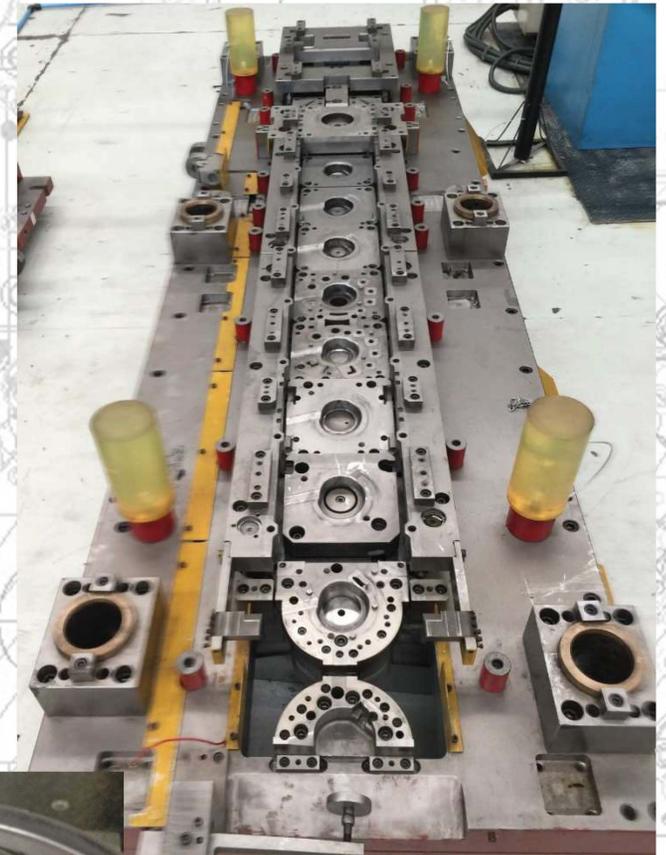
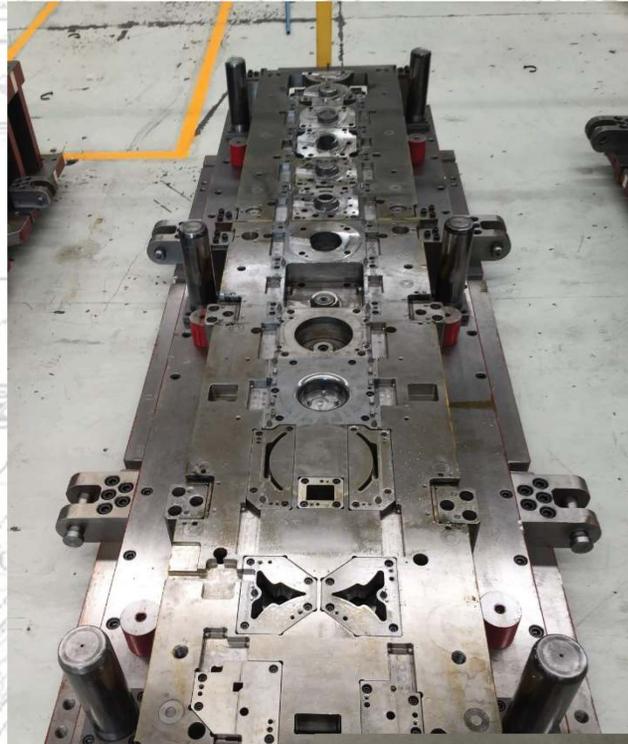
RENAULT

X 07 PROJECT – year 2013



TOOLING TECHNOLOGY

Tool Production



 **Azpiaran**
GRUPO *Stamping technologies*





TOOLING TECHNOLOGY

Tool Production

Progressive Tools
Indie Clinching



TPV GROUP



RENAULT

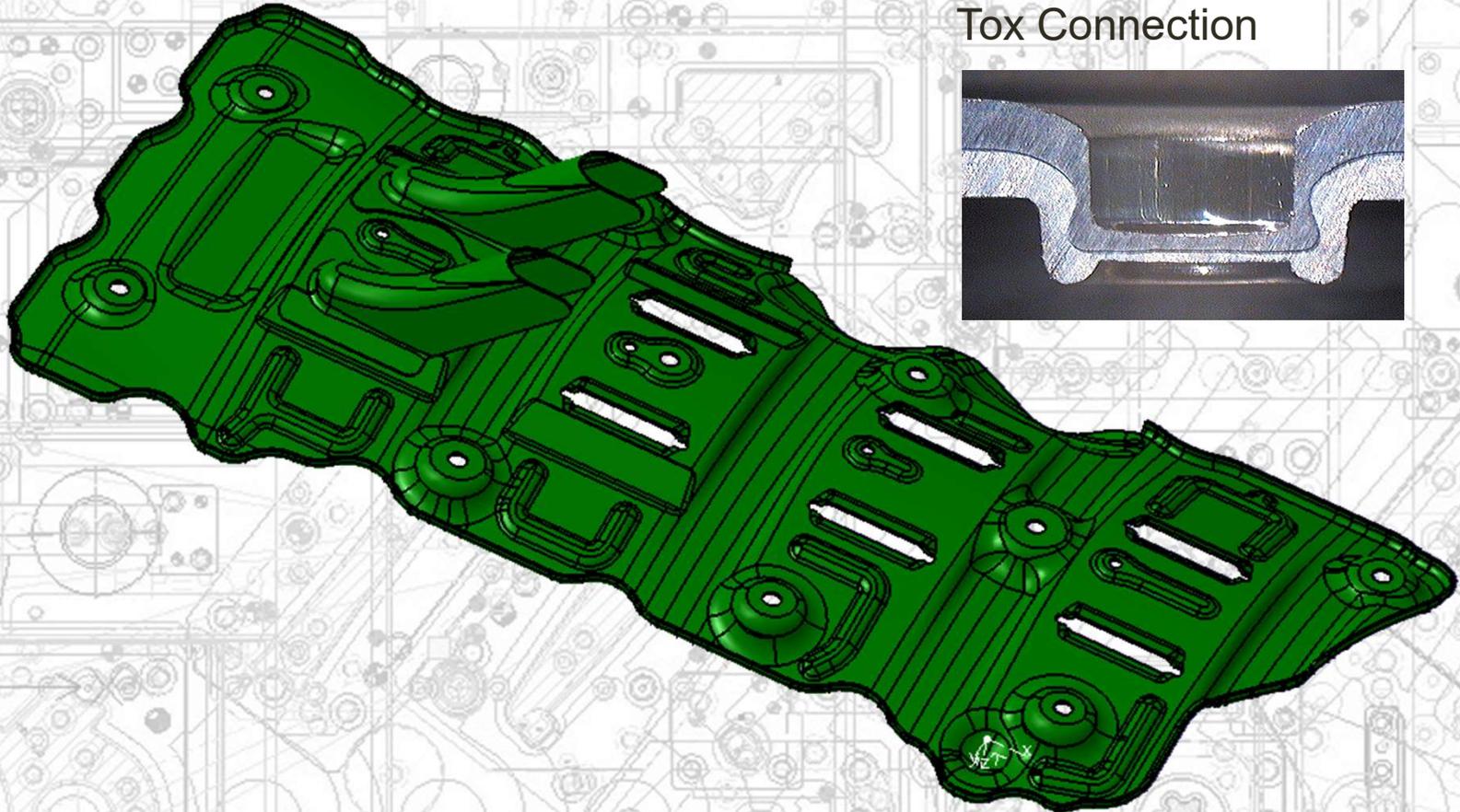
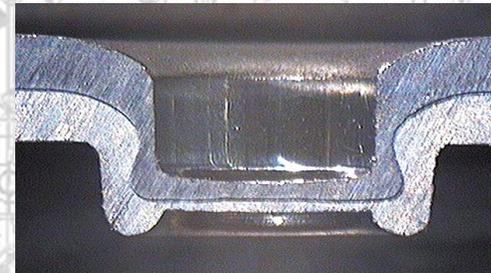
X 07 PROJECT – year 2013



TOOLING TECHNOLOGY

Tool Production

Tox Connection



TPV GROUP



○ OELHOBEL IN OELWANNE

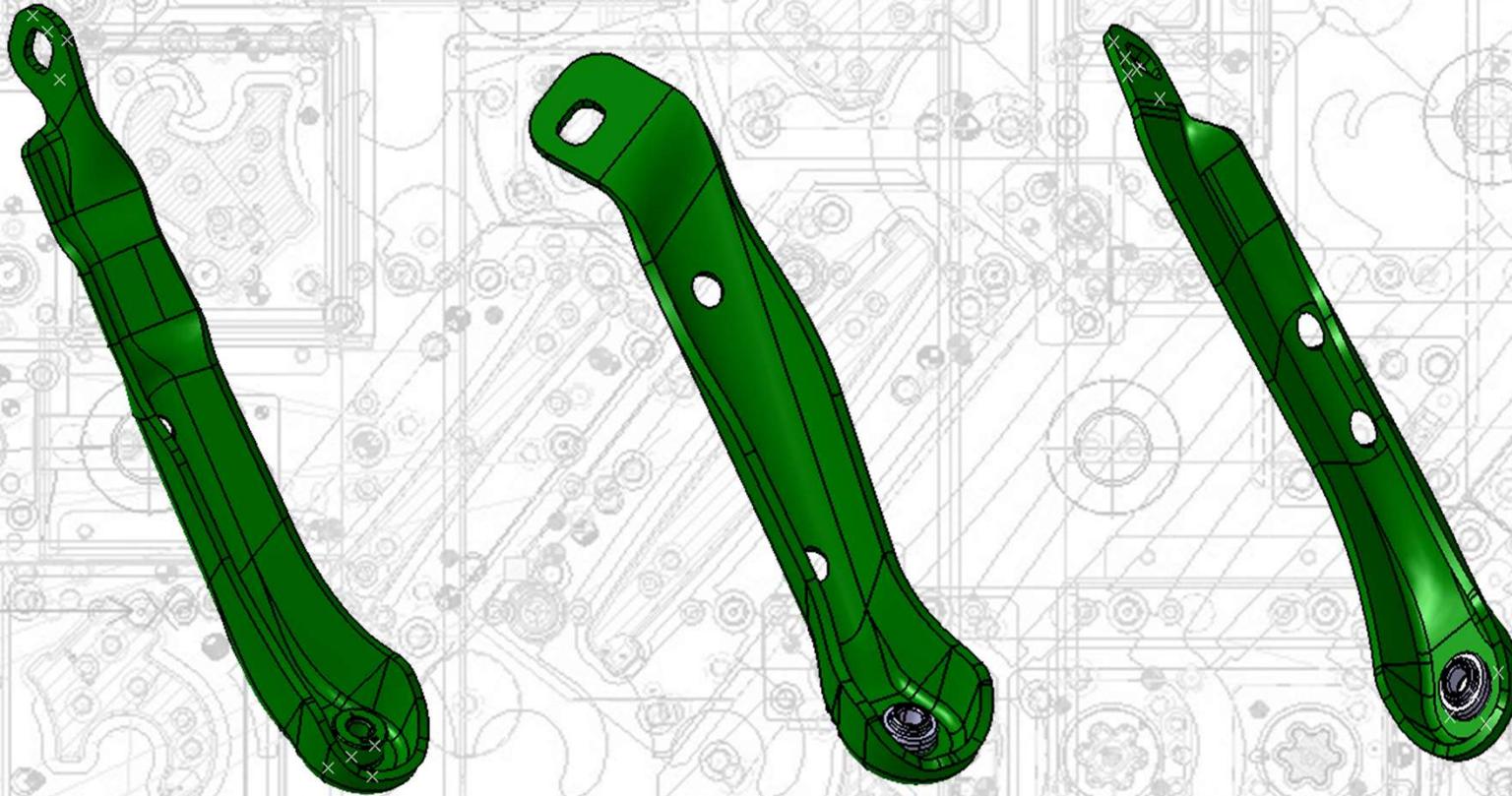
07-2015



TOOLING TECHNOLOGY

Tool Production

Indie Clinching



TPV GROUP



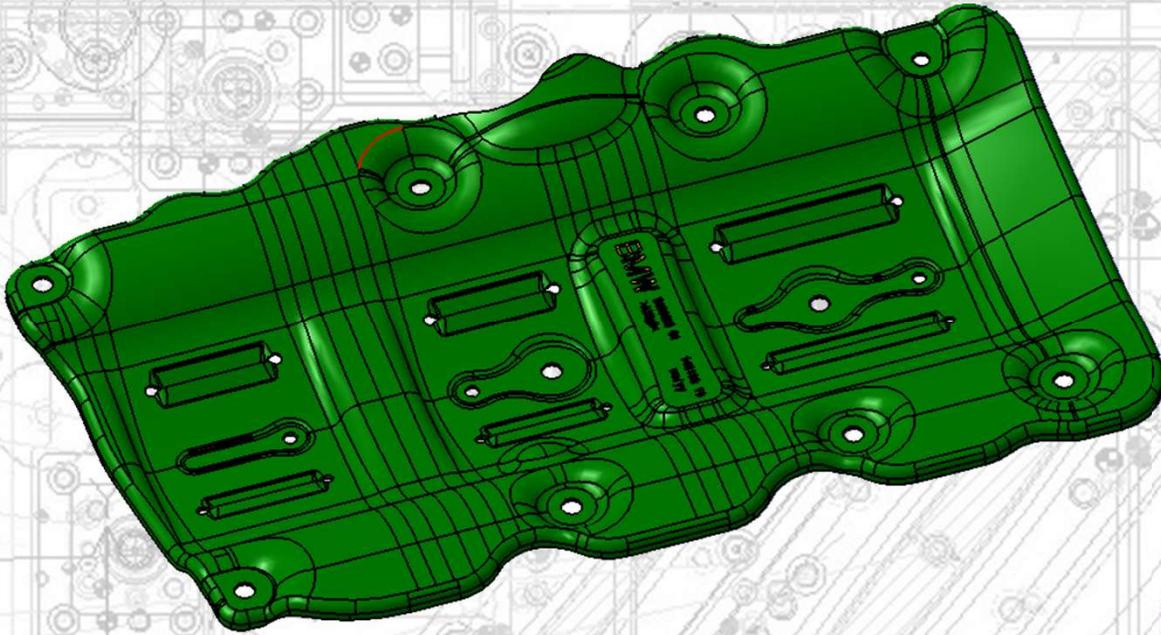
○ BMW 35 UP Stiffener 2WD
& 4WD

10-2014

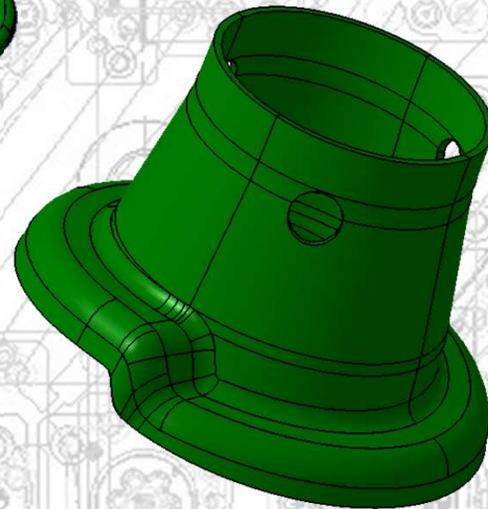


TOOLING TECHNOLOGY

Prototype Parts



OELHOBEL IN OELWANNE -AL



SPRING SEAT 11-2015



TPV GROUP



Grupo IDESA XXI



Tool Production





TOOLING TECHNOLOGY

Tool Production

Progressive Tools





TOOLING TECHNOLOGY

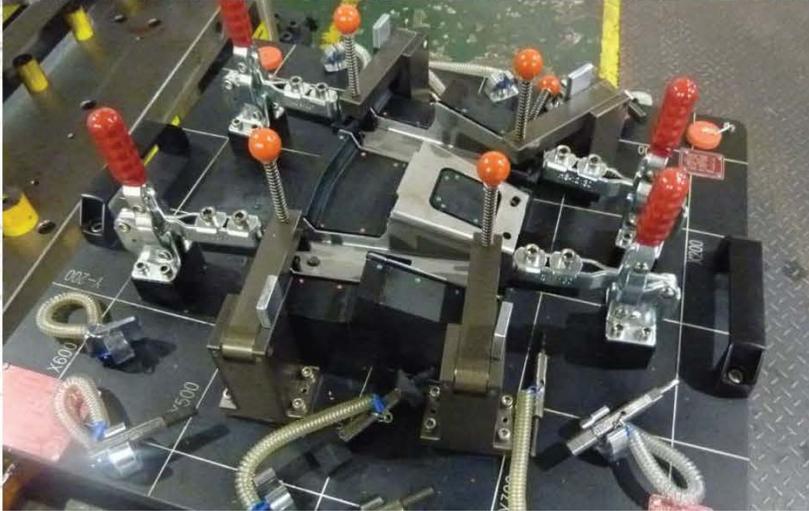
Tool Production





TOOLING TECHNOLOGY

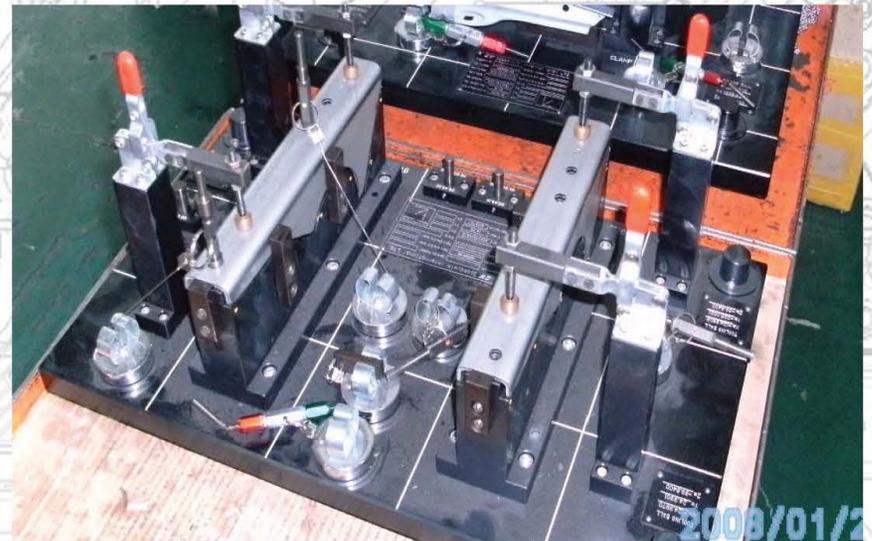
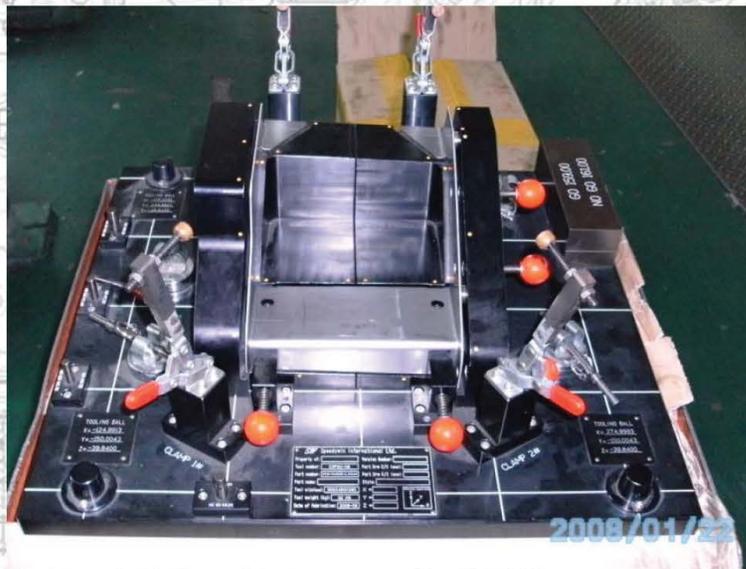
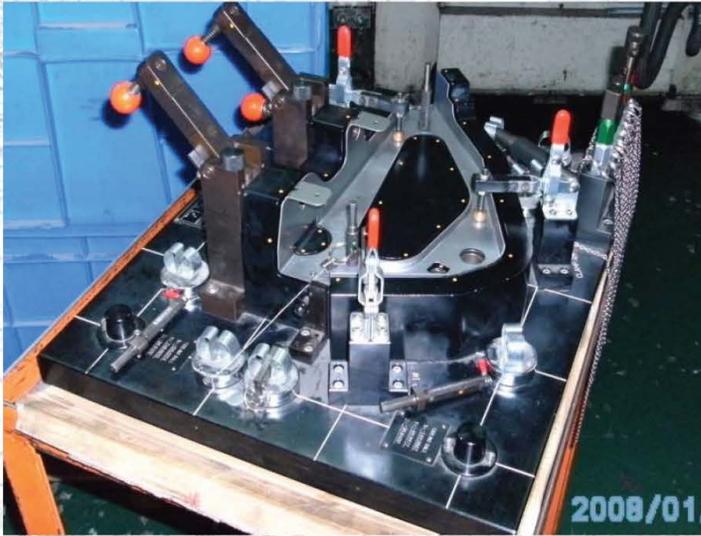
Control Gauge Production





TOOLING TECHNOLOGY

Control Gauge Production



Customer

End Customer



Our Customer

