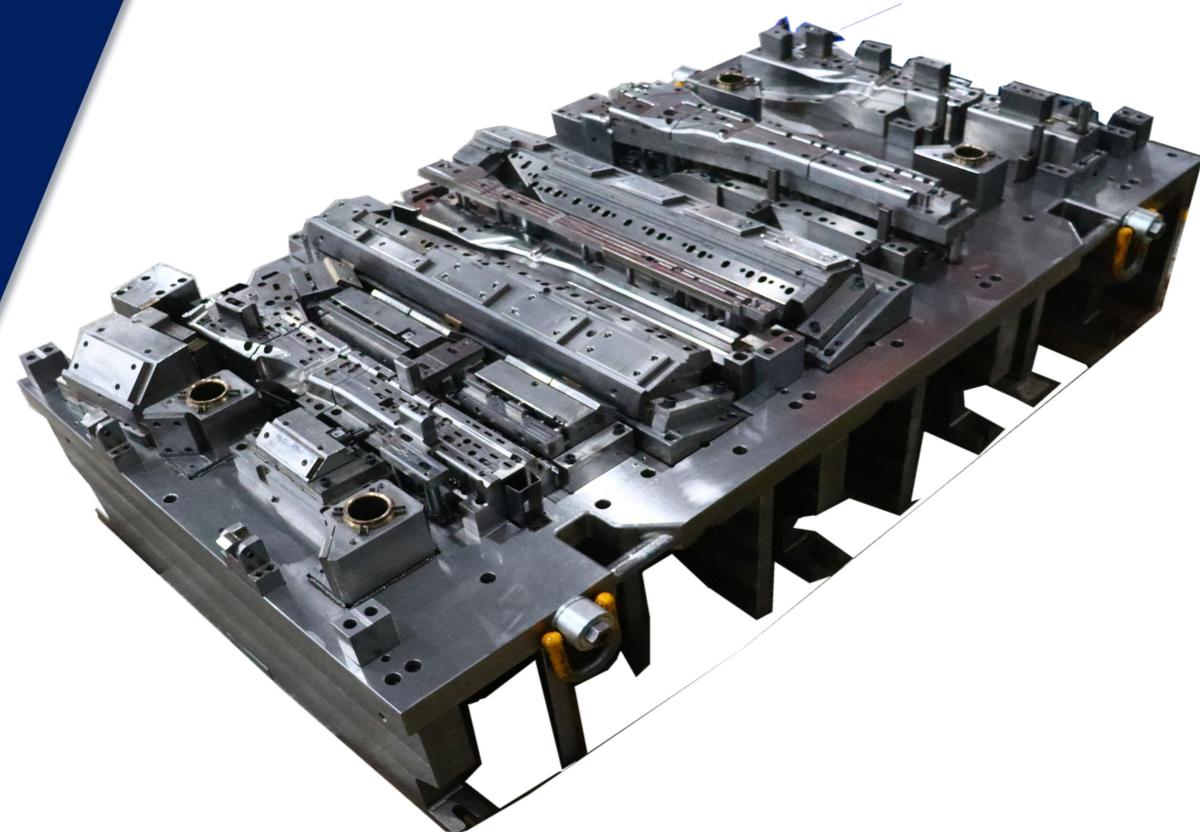




MLD TOOLING CO.,LTD

HUIZHOU MLD TOOLING CO.,LTD

Professional stamping die design
and manufacturing



Our Facility

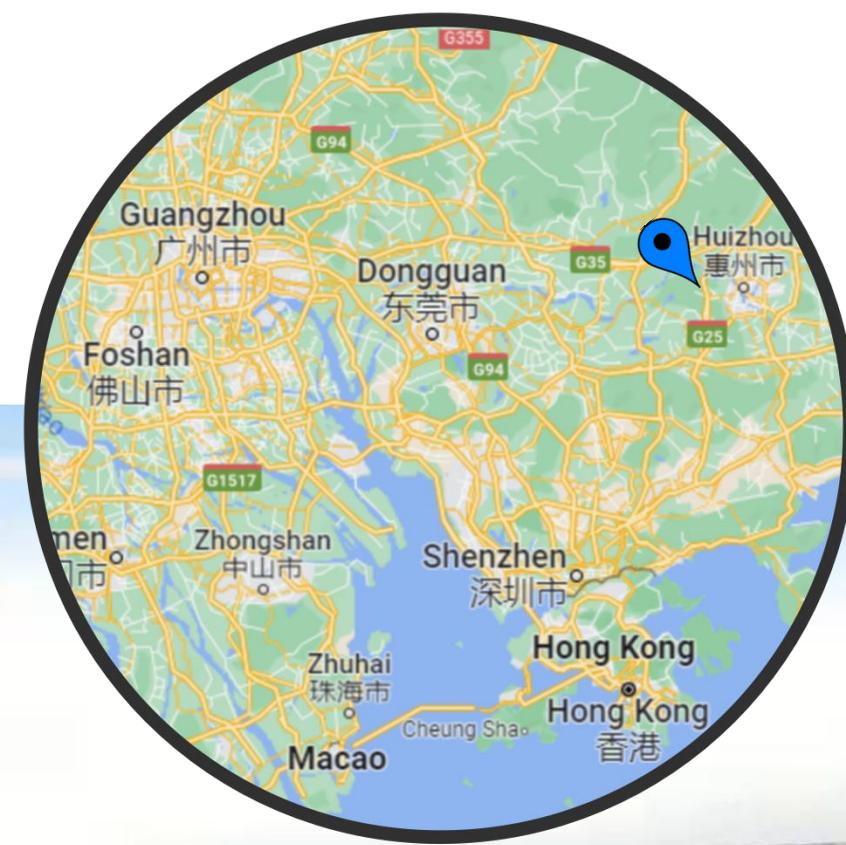
Travel Time:

HK to MLD: 2.5 hrs

Shenzhen core to MLD: 1 . 5 hrs

Guangzhou core to MLD: 1hr

Dongguan core to MLD: 4 5 min.



In 2018, MLD moved from its previous location in Qingxi to its current facility in Huizhou. The entire facility consists of 215,000 Sq Ft. With 140,000 Sq ft. build area, and 15,000 sq ft offices. The remaining area for future consideration.

Beginning in 2023, a new 2000 Ton Mechanical press 6250mm x 2600mm was purchased and installed to be ready End of June. This allows large tryout capacity using its 1250 Ton and 2000 Ton presses.



CONTENTS

01 Design and Engineering

02 Die Build and Tryout

03 Quality Control

04 Our Capacity

05 Customers and Sales

Die Design & Engineering

24 designers

Simulation Analysis 4 senior engineers

3D Design 9 senior engineers
 5 junior engineers

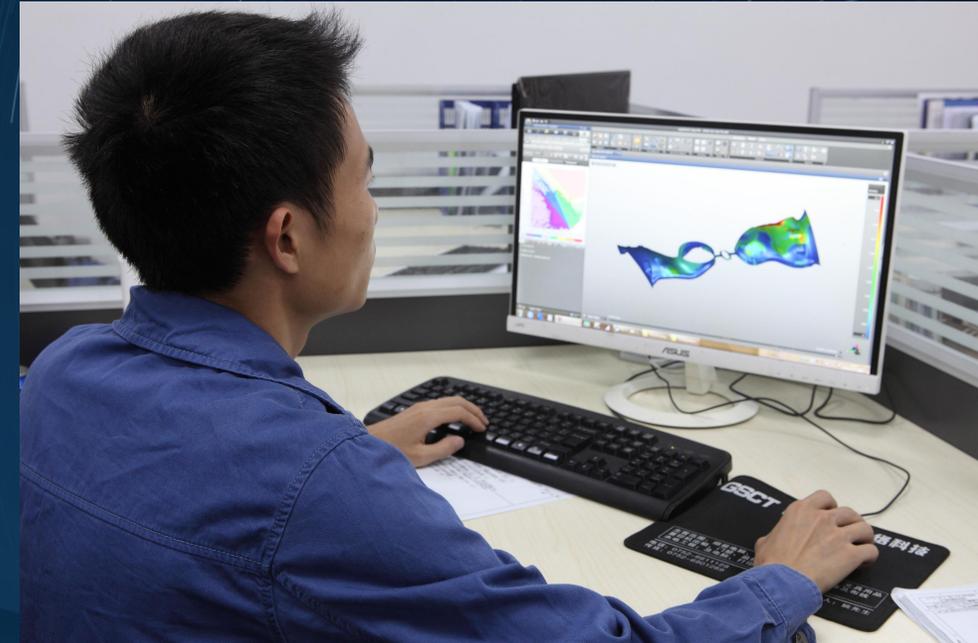
2D Design 6 senior engineers

Software:

NX – 3D Design

AutoForm – Forming Simulation

Autocad – 2D Design & Detail drawings



Die Build

Machining Staff - 30 operators

CNC coarse milling (2D)

CNC fine milling (3D)

12 sets CNC, Up to: 4000mm x 2500mm x 1200mm

6 sets wire EDM machines



Die Assembly

40 tool makers

5-15 years experience in Automotive Stamping Tooling

- Assembly
- Components fit and test
- Spotting & Tryout
- Develop & Trial Parts
- Update tooling notes, communicate with Engineer



Tryout & Testing

Mechanical press 2000 tons

With coil feeder

Bolster/Ram Size

6250mm x2600mm x 1600mm

Feeder(range of thickness)

0.6mm-6mm



Skilled



Driven



Decisive



Professional

Tryout & Testing

Mechanical press 1250 tons - with Coil Feeder

Bolster/Ram Size

5000mm x 2000mm x 1300mm

Feeder(range of thickness)

0.6mm-4.5mm

Mechanical press 400 tons - with Coil Feeder

Mechanical press 250 tons



Skilled



Driven



Decisive



Professional

TOOL TRYOUT
模具调试



1250T冲床 1250T Press 工作台面积 Table area: 5000x2000x1300mm ▲



250T 机械冲床 250T Mechanical Press ▲
工作台面积 Table area: 2600x900x500mm



.400T冲床 .400T Press ▲
工作台面积 Table area: 3200x1400x1000mm

Tryout & Testing

Hydraulic press 2000 tons

Bolster/Ram Size

5000mm x 2500mm x 2000mm

Hydraulic press 630 tons

Bolster/Ram Size

4000mm x 2000mm x 1300mm



Skilled



Driven



Decisive



Professional

Quality Control



PCDMIS - CMM reports

PI.S.T. Analysis & CPK Reports

Blue scan 3D parts

Blue scan forming and trimming components

Checking Fixtures



TRUSTED FOR OUR STANDARDS

  **ACM**

Certificate of Registration

This is to certify that the
Quality Management System
of

HUIZHOU MLD TOOLING CO., LTD.
Unified social credit code: 91441322MA51UM8CXP
Registered Address
Qixing Workshop, Xique High-tech Park, Jiandi Road
Shahe, Liwu, Shiwán Town, Boluo County
Office & Production Address
Qixing Workshop, Xique High-tech Park, Jiandi Road
Shahe, Liwu, Shiwán Town, Boluo County
Huizhou, Guangdong, China

Has been independently assessed and is
compliant with the requirements of:

ISO 9001:2015

For the following scope of activities:
Production of Hardware Moulds

Certificate Number: 18ACM6491Q

Date of initial registration 19/12/2018
Certificate expiry 18/12/2024
(subject to the company maintaining its system to the required standard)

 
AUTHORISED SIGNATORY
Date of this certificate 23/12/2021, VI

During validity period of the certificate a surveillance audit should be performed at least once within each 12 months. The label should be pasted on specified position of right side of the certificate then it is valid. The certificate can be checked out at China CMAA website www.cmaa.gov.cn and ACM UK website www.acmcert.com.

ACM - CCAS Limited, Unit 5 Marus Court, Meridian Business Park, Leicester, LE19 1RU, UK
Local Office: ACM (CHINA) LIMITED, 8th B201, No 352, Wanhuan Road, Minhang District, Shanghai 201199, China
T: +86 21 64305860 F: +86 21 64881056 W: www.acmcert.com.cn E: info@acmcert.com.cn

Our Capacity

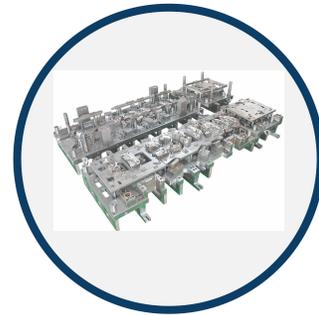


Transfer Dies

Plate / Cast / or Hybrid

Up to:

6000 x 2500mm x 1600mm



Progressive Dies

Plate / Cast / or Hybrid

Up to:

5000 x 2000mm x 1500mm



Stage Dies

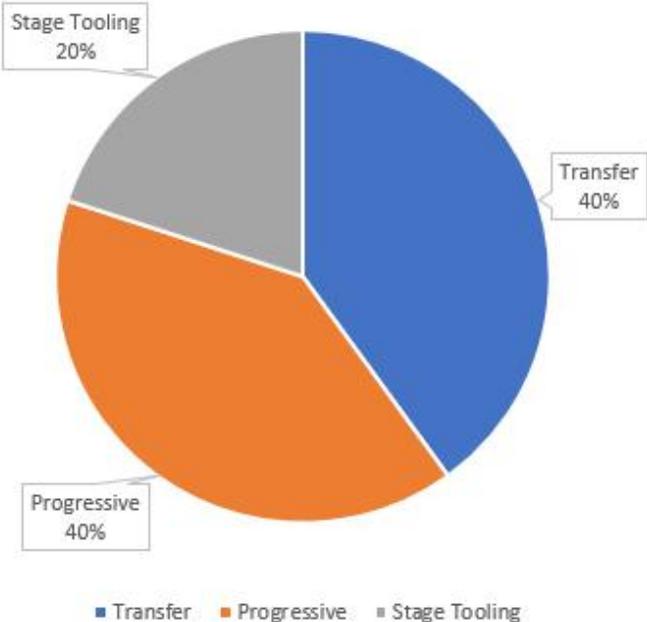
Plate / Cast / or Hybrid

Up to:

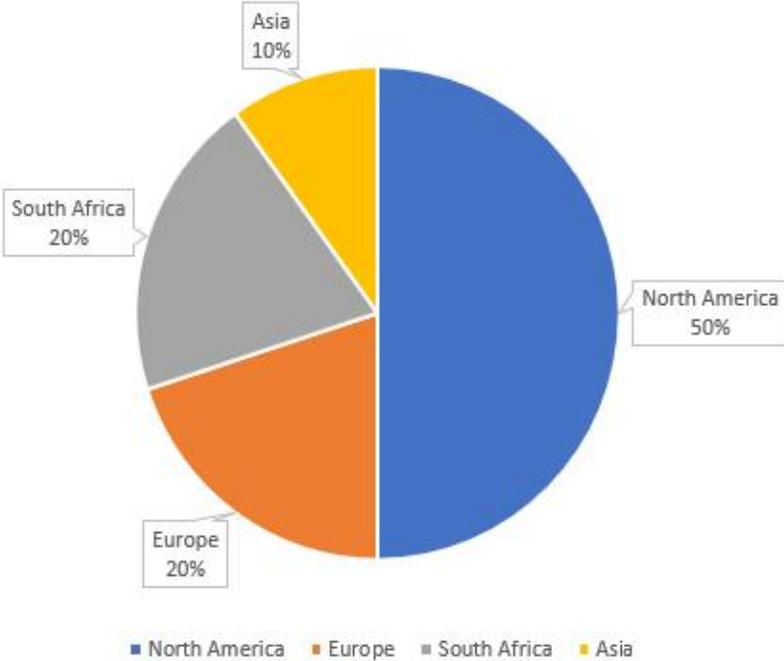
3500 x 2200mm x 1600mm

Our Markets

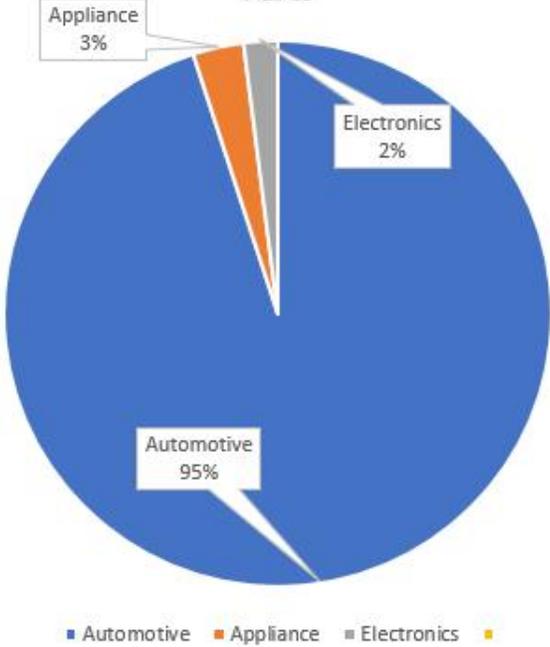
Type of Tooling



Location



Parts



Customers and Sales

Customers: CRH, Formex, ECM in South Africa

Magna, Martinrea, Multimatic, CSL and Am-Trim in NA

Binder, Voestalpine, G-Cosmos in Europe

APAC and Fengfu in Japan



01

Sales in 2021

US\$ 8,500,000

02

Sales in 2022

US\$ 9,000,000

03

Expected sales in 2023

US\$ 10,000,000

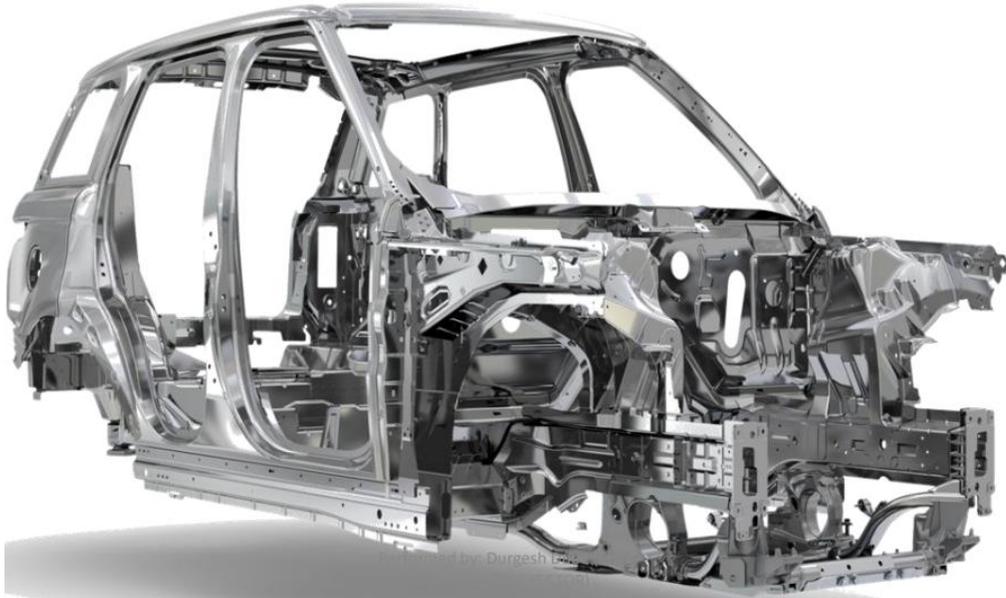
04

Desired sales in 2024

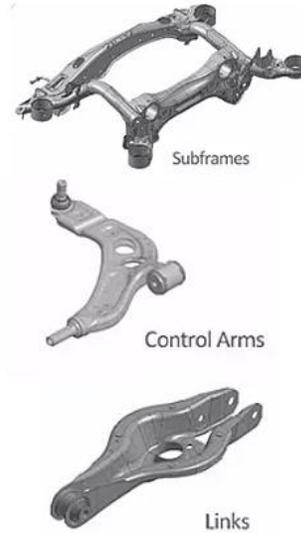
US\$ 14,000,000

Type of Parts

BIW



CHASSIS



EXHAUST

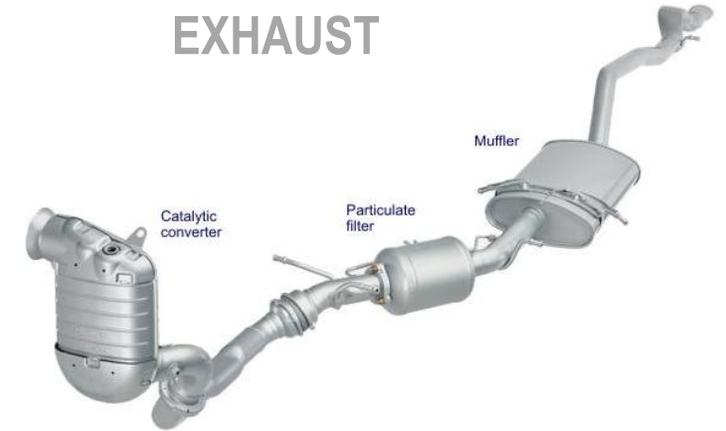


Figure 1. Passenger car exhaust system
2007 Mercedes-Benz A-Class diesel with particulate filter
(Source: Faurecia)

Courtesy: Future Market Insights. NB: Photo is representational; courtesy: Gestamp Automocion.

COWL CROSS BAR – IP COMPONENTS

- Instrument Pnl
- Knee Bolsters
- IP Brackets

FLOOR COMPONENTS / BATTERY BOX

- Battery Tray
- Floor
- Sill step comps

UPPER BODY / UNDER BODY

- Pillars
- Reinforcements
- Roof Rails

SUBFRAMES / CONTROL ARMS / LINKS

- Shock Towers
- Control Arms
- Links
- Subframe

CATALYTIC / MUFFLER / SHELLS / HEATSHIELDS

- Half Shells
- Catalytic Shells
- Muffler internal panels

PARTS

BIW
High Strength / Tailor Welded
/ DP / Martensitic



Control Arms



Catalytic Shells

Half Shells

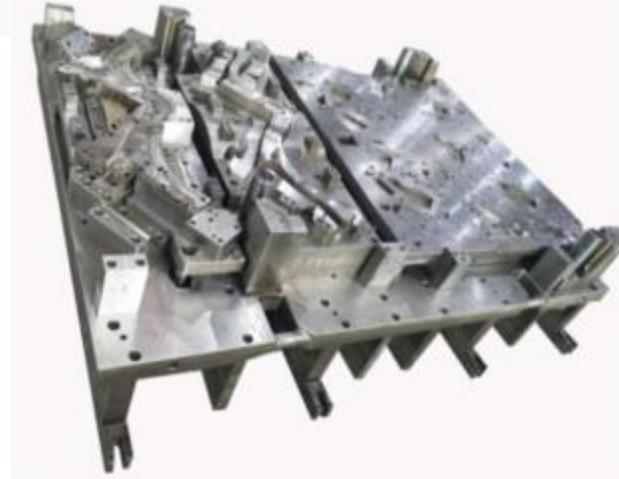
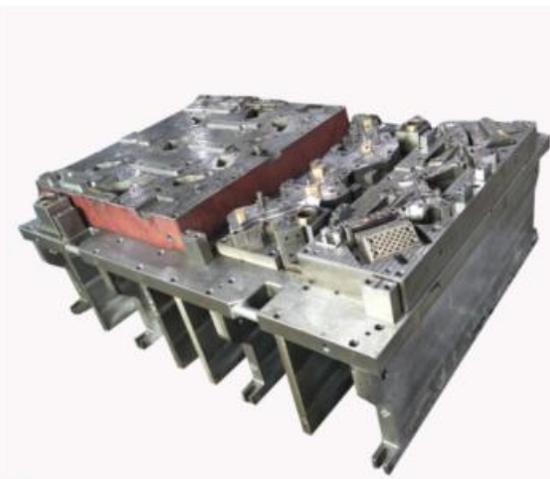


Transfer Dies

Part Name: Control Arm

Material: GMW3032M-ST-S-HR340LA

Material Thickness: 3.5mm

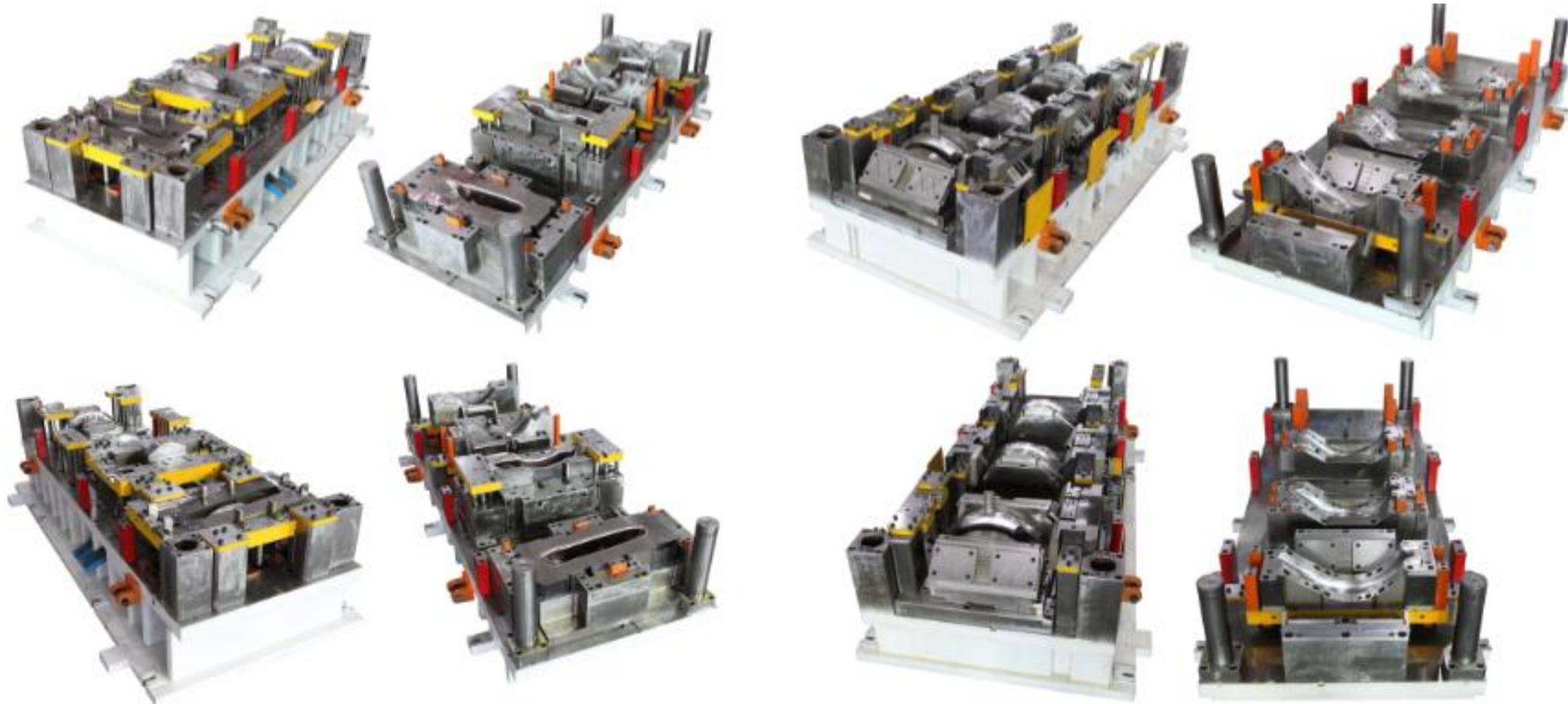


Transfer Dies

Part Name: Control Arm

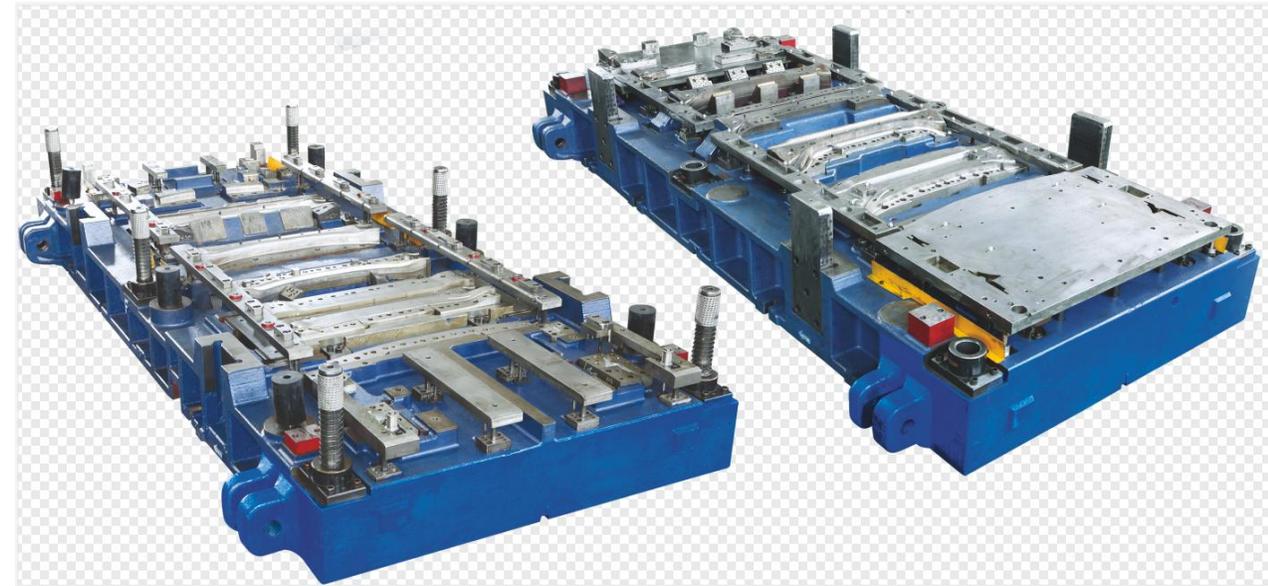
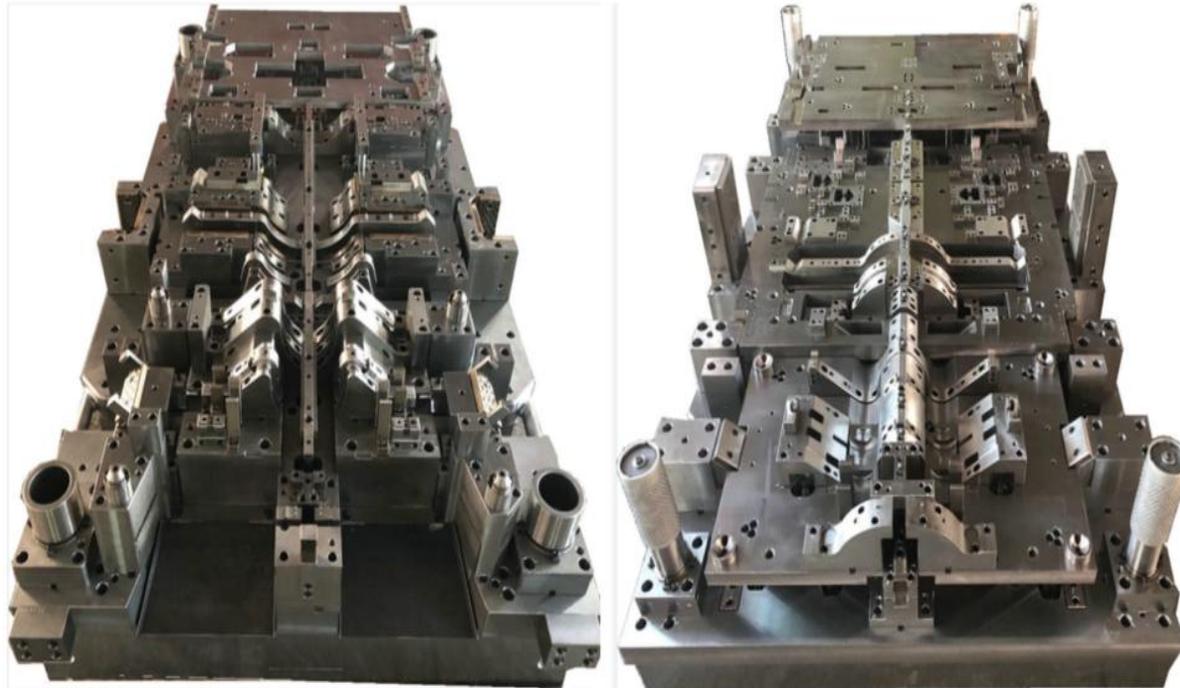
Material: GMW3032M-ST-S-HR340LA

Material Thickness: 4.0mm



Progressive Dies

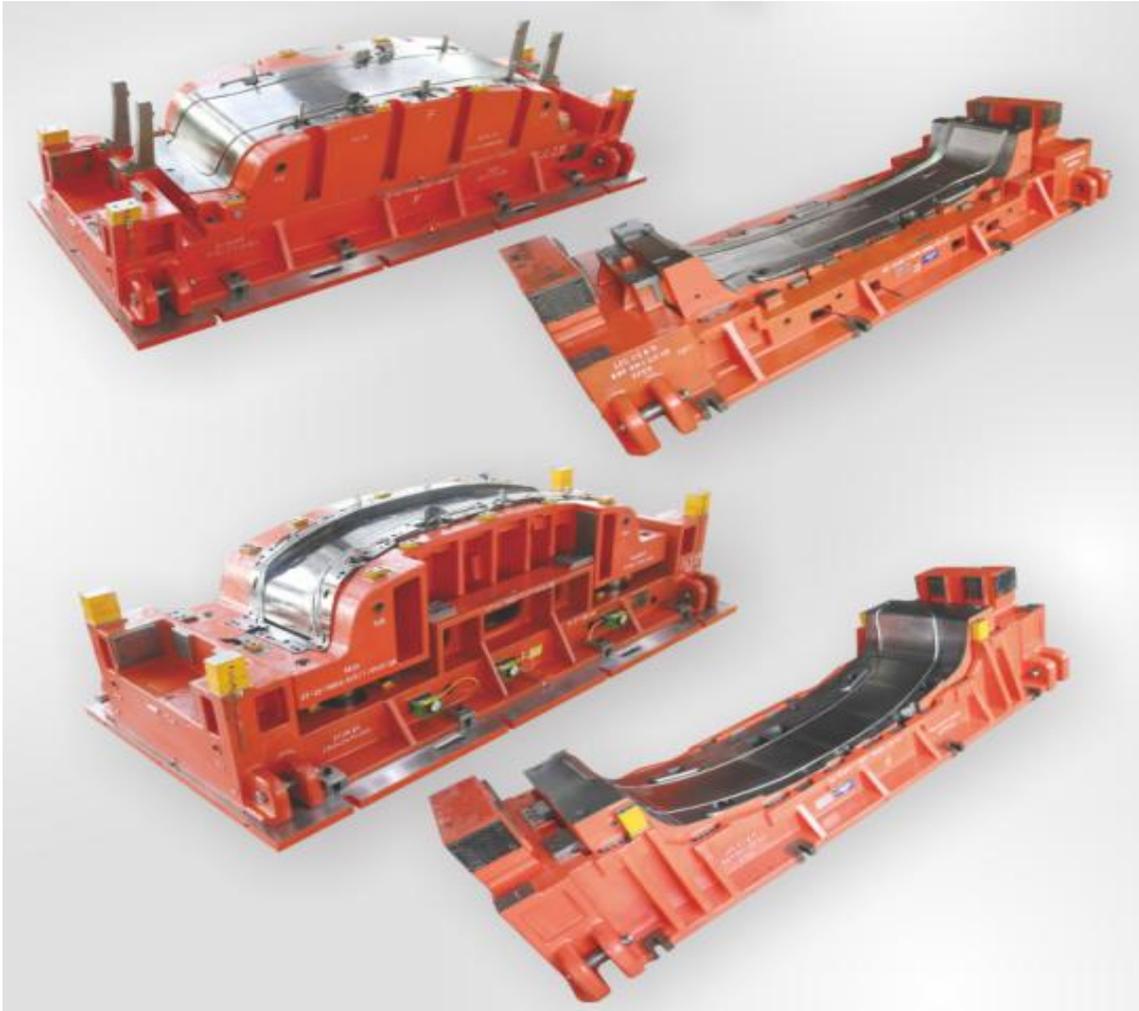
Part Name: BRKT-DRIVER KNEE BOLSTER OTR
Material: GMW2M-ST-S-CR3-UNCOATED-U
Material Thickness: 1.2mm



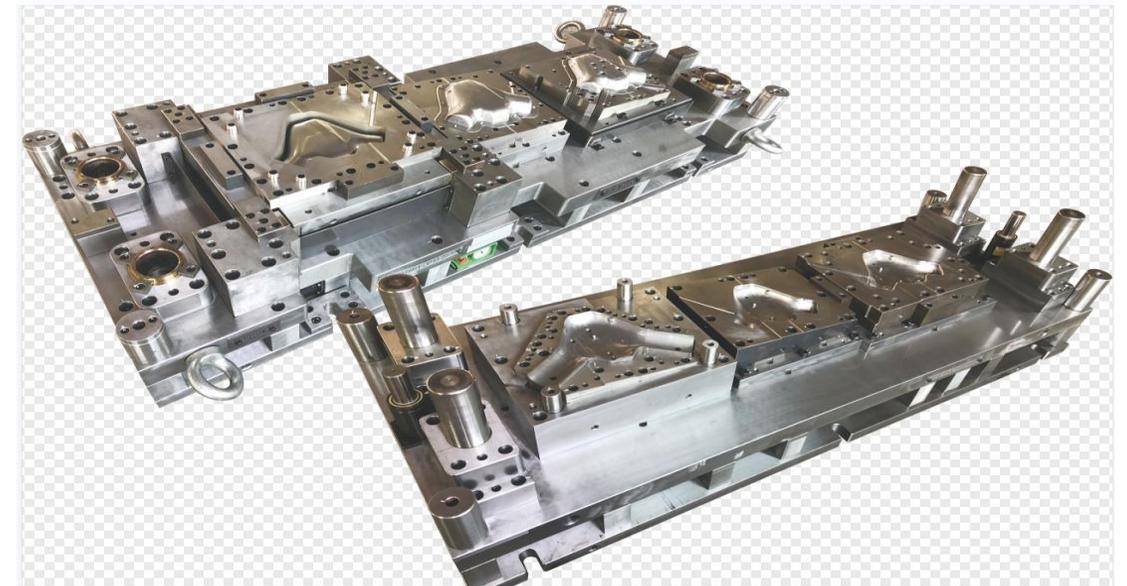
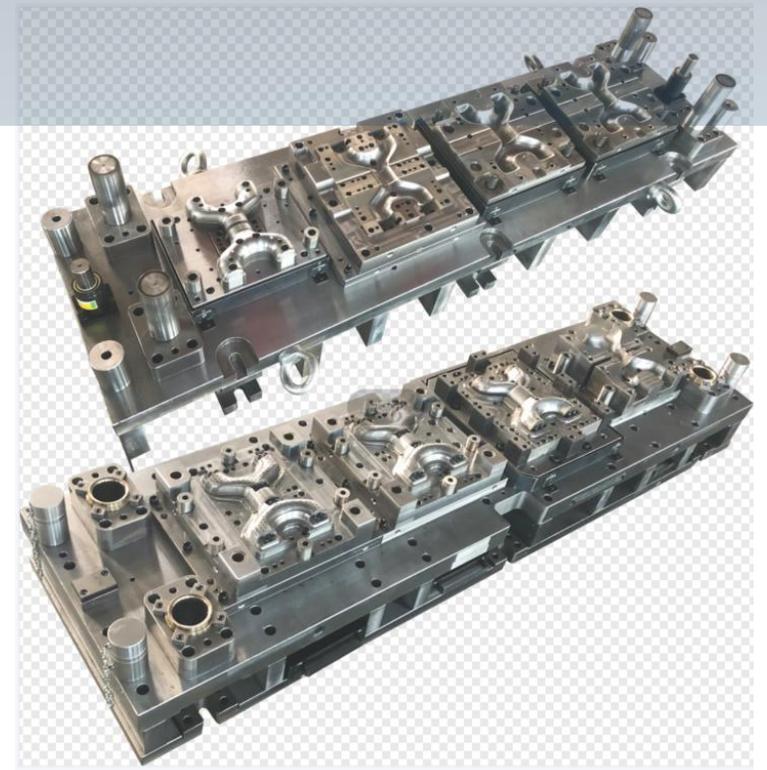
Part Name: Front Axle
Material: DP980
Material Thickness: 2.0mm

Tandem Dies

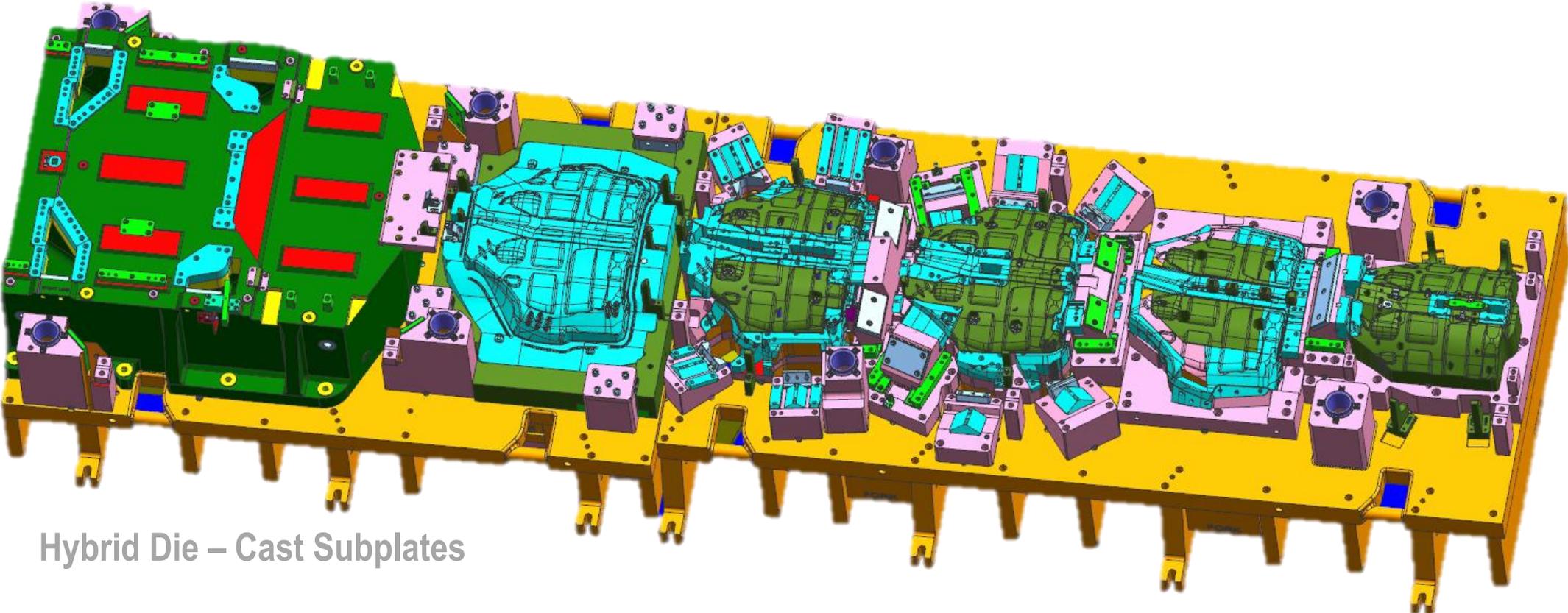
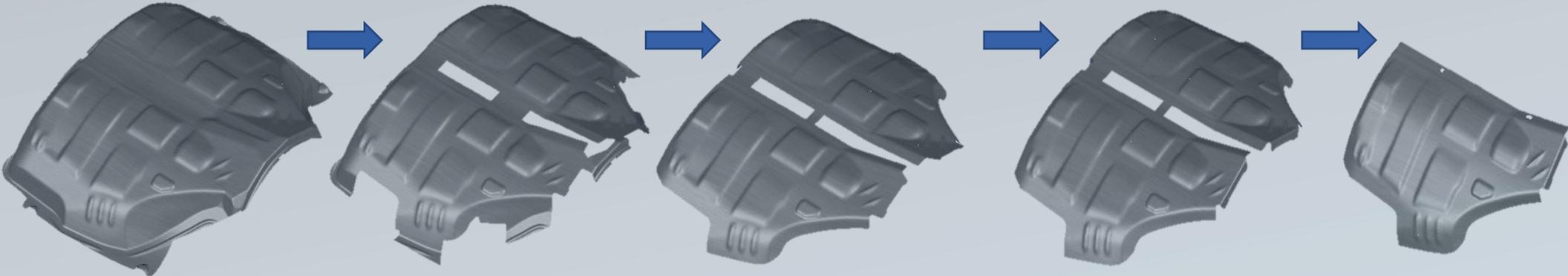
Part Name: Sunvisor
Material: SS304 Class A
Thickness: 1.0mm



Part Name: Half Shells
Material: SS441
Thickness: 2.0mm



Coil Fed Transfer Die Process



Hybrid Die – Cast Subplates

Ultra High Strength Materials

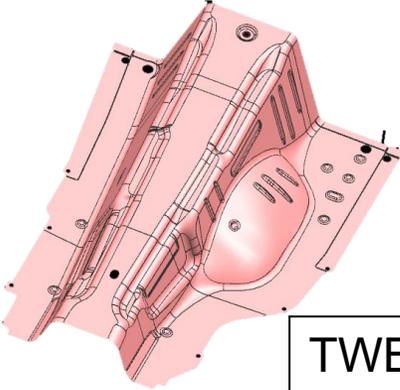
TWB
(3)



TBC600Y980T – Gen3



TBC600Y980T – Gen3

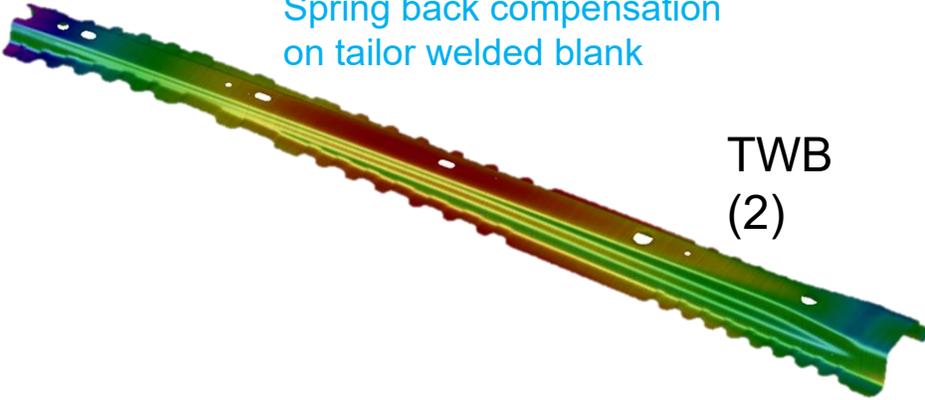


TWB
(2)



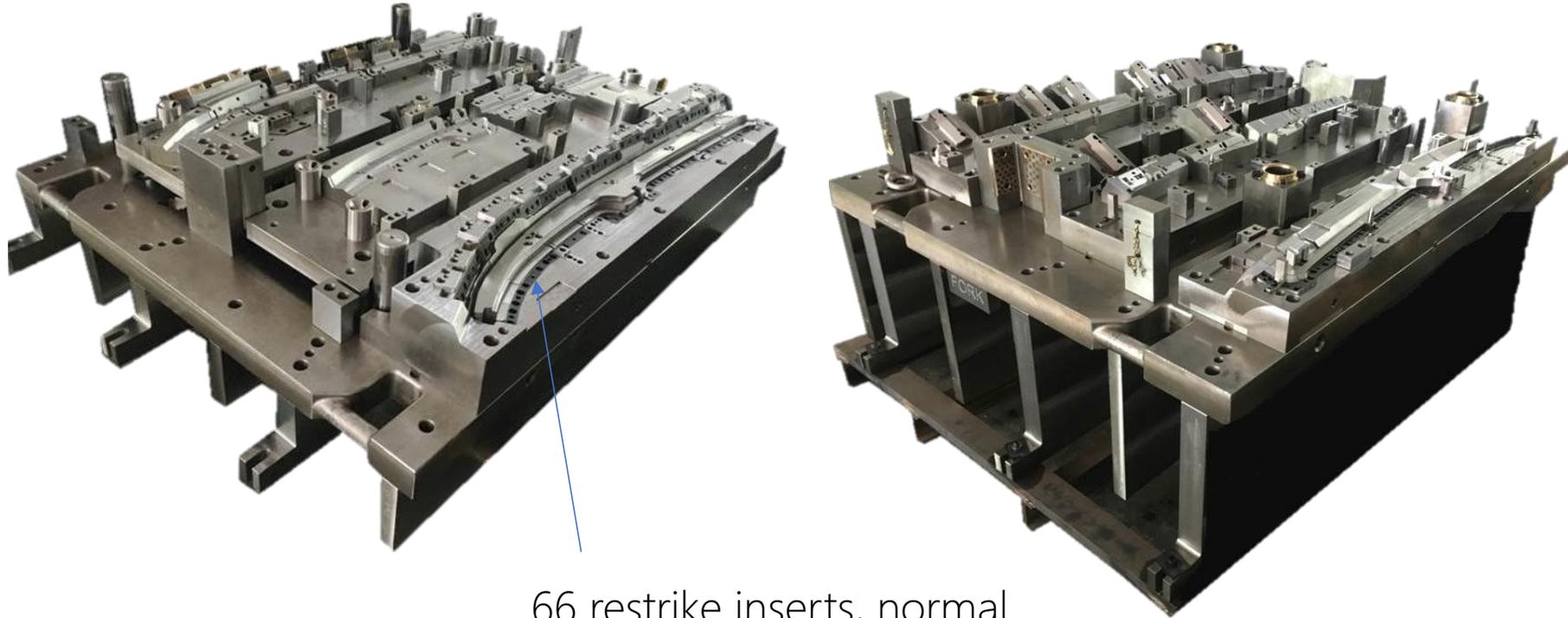
980 Gen3

DP780
Spring back compensation
on tailor welded blank



TWB
(2)

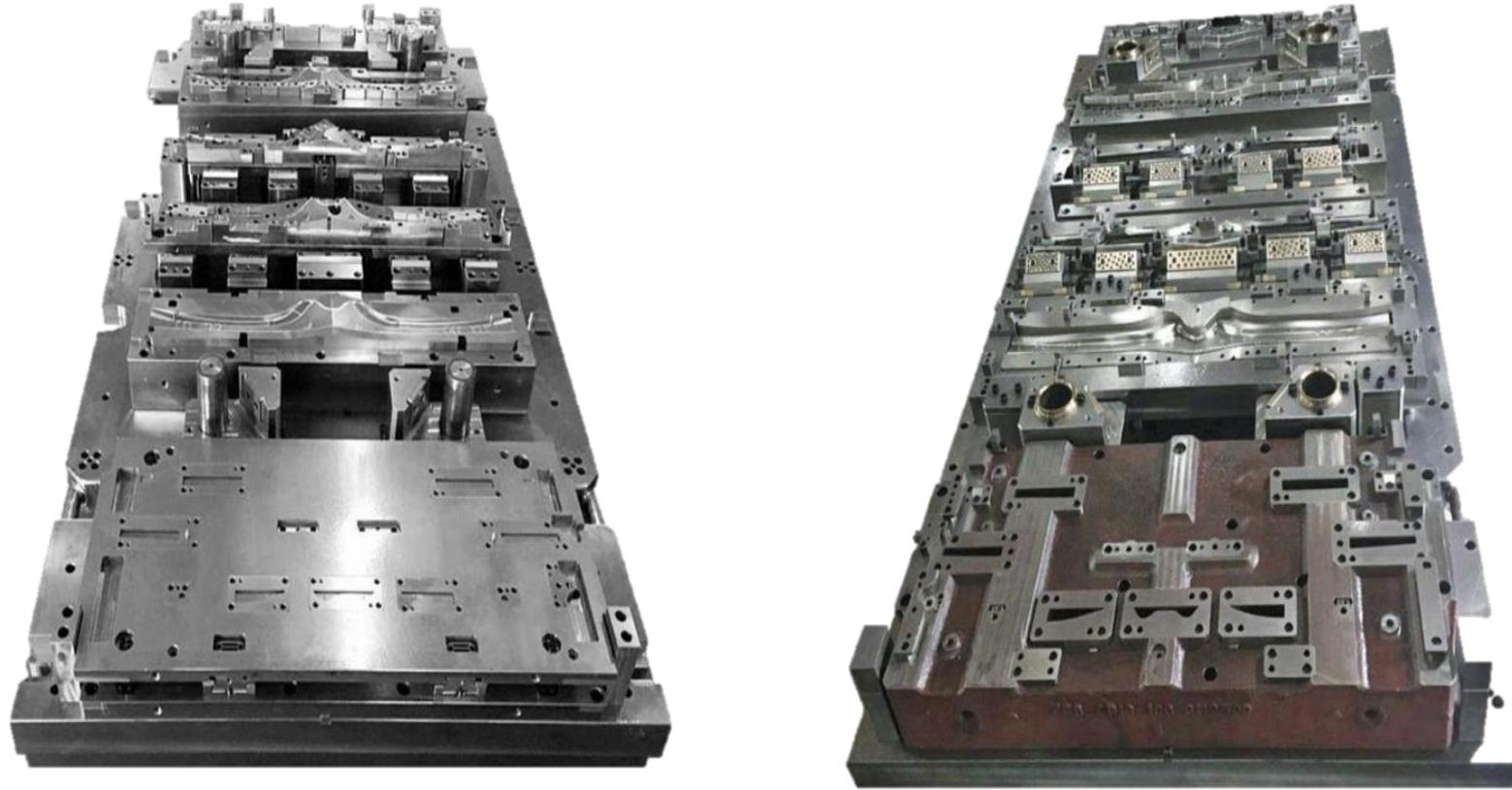
High Strength / Higher Tonnage Dies



66 restrike inserts, normal
to face adjustment

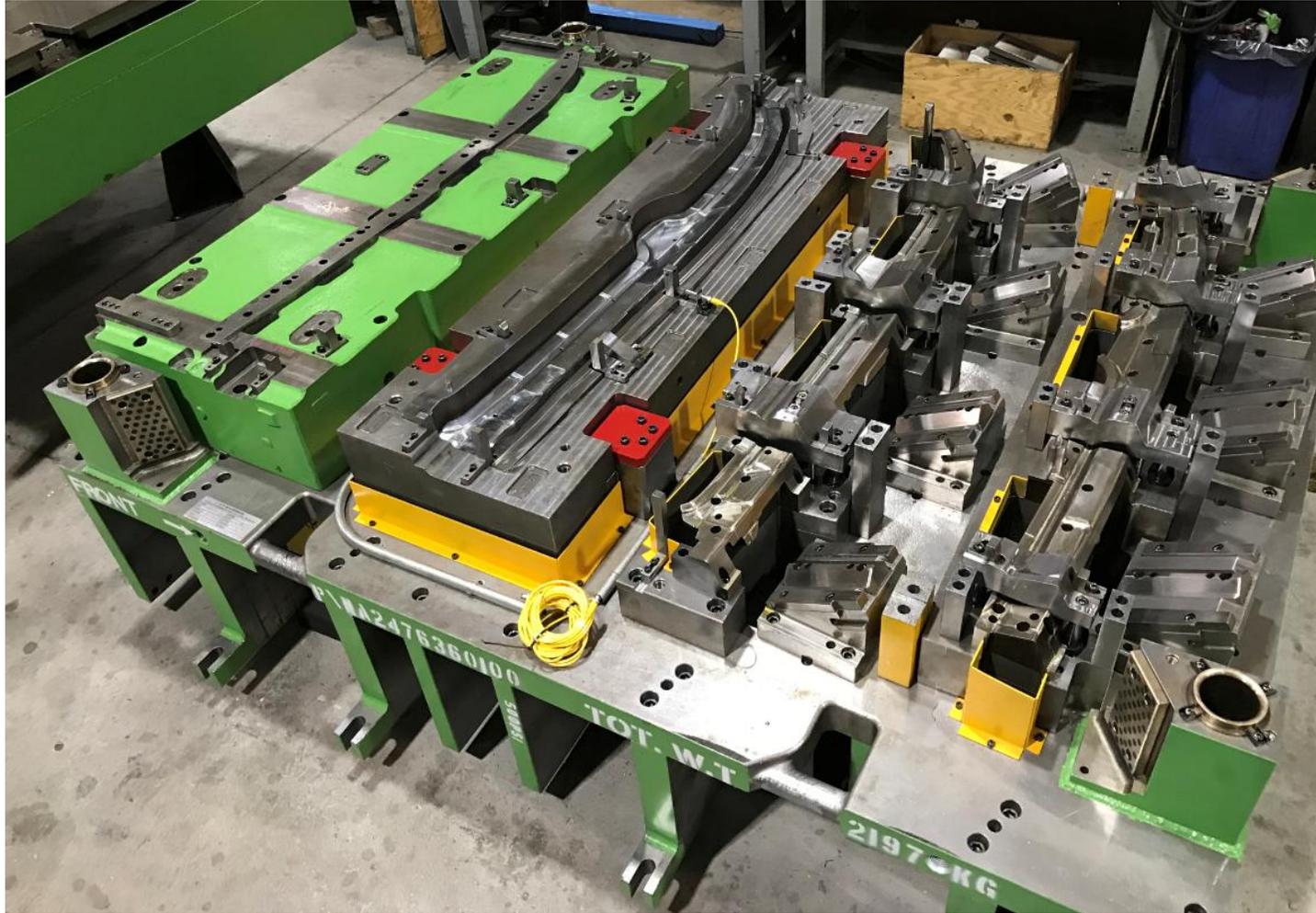
DP 980 Rail – Transfer Die

High Strength / Higher Tonnage Dies



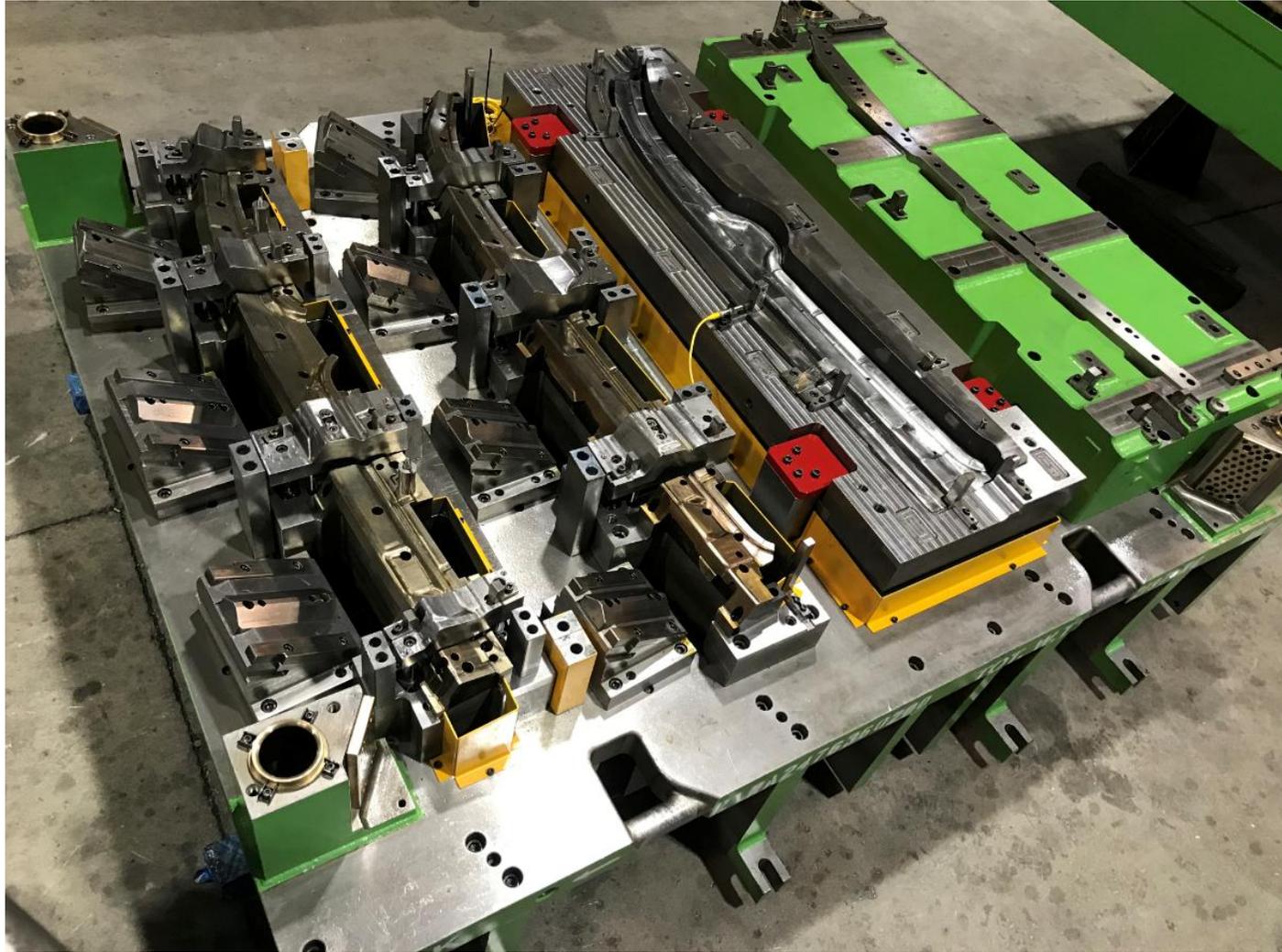
DP 780 2 out Reinforcement- Transfer Die

High Strength / Higher Tonnage Dies



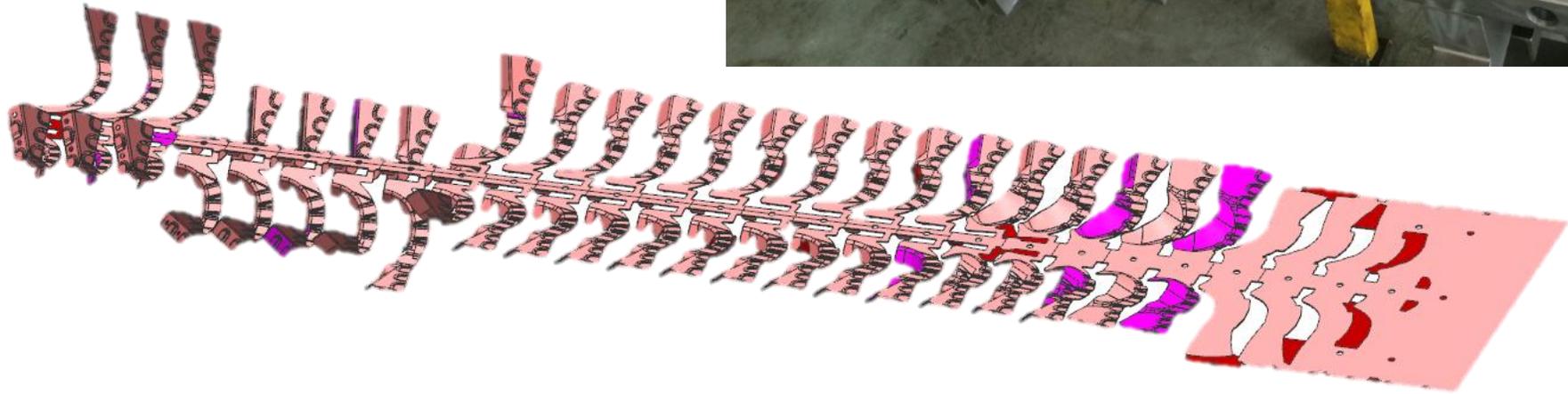
DP 780 (Roof Rail) Transfer Die LH – Die 1

High Strength / Higher Tonnage Dies



DP 780 (Roof Rail) Transfer Die RH – Die 1

Complex Forming & Restriking Dies



DP 780 (complex reforming) 2 out – Progressive Die

Hybrid Short Turnaround Dies



980 Gen3 TWB (Tunnel) Transfer Die – Die 2

Thank You! And Welcome to Huizhou MLD Tooling Co. Ltd.

