

Welcome to Sunny Metal Tooling Co., Ltd

Dongguan Sunny Metal Tooling Co., Ltd was established in February 2012, and obtained ISO 9001:2008 certificates in 2013. His core business is manufacturing metal stamping tools for automotive industries. With the current 6000 square meters building area, Sunnytool employed more than 120 technicians. Our state-of-the-art facilities are located in an area – Dongguan City, China Republic which is known for manufacturing excellence. Utilizing superior equipment and highly skilled workers allows us to deliver **high quality and cost effective** automotive metal stamping tooling to our customers.

Company Vision: Growing to be one of the medium-sized manufacturers of auto parts in this industry with highest impact, advanced technology, perfect management and high professional service.

Company concerns the requirements of customers: To try our best to meet customer's requirements and create the highest value for them.

People First in Sunnytool: There is a positive atmosphere which was built by Sunnytool in both the working and living place. Employees were trusted and respected here, and many chances of learning and self playing were provided.



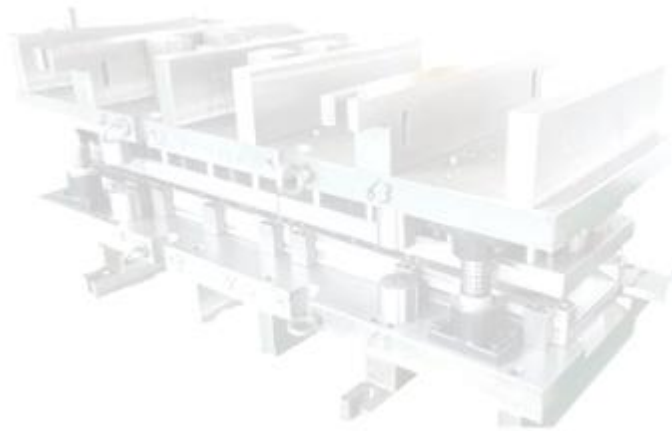
Dongguan Sunny Metal Tooling CO.,LTD

➤ China Metal Stamp Tooling Professional Manufacturer

- Established in 2012
- 6000 square meters building area
- 120 associates

➤ Specialize in stamping dies for automotive, appliance, electrical & communication industries. At here progressive dies account for (70%), transfer dies account for (10%), single stage dies account for (20%).

➤ Capacity to produce 20~30 sets of dies per month at present, tryout presses range from 80 tons to 800 tons.



Certificates



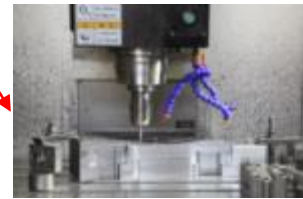
Project Management Flow Chart



A. PO Review



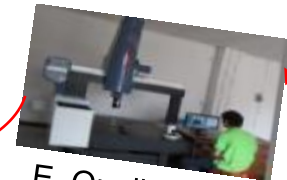
B. Design approval



C. Machining



D. Debug



E. Quality test



F. Buyoff



G. Shipment



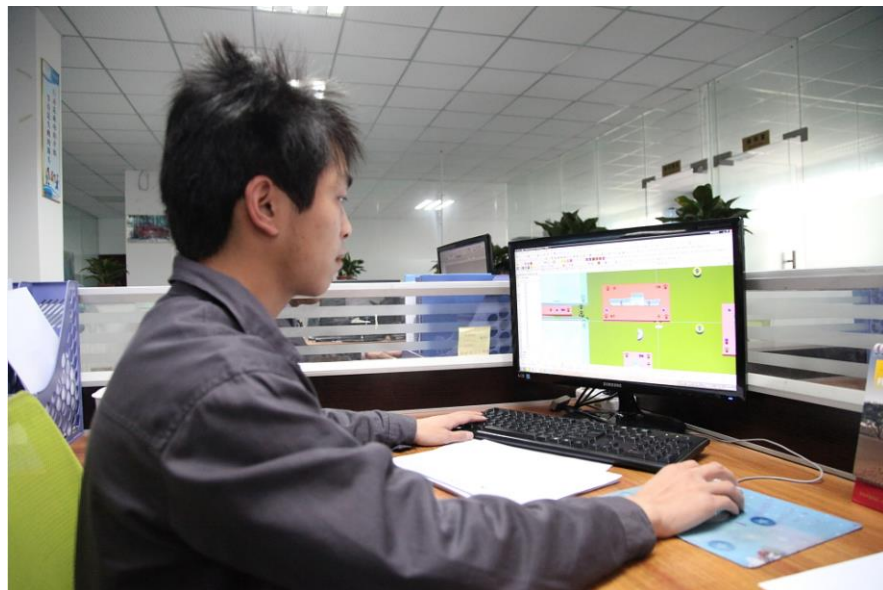
H. Home-line support

Project Management
Project Management

Engineering and Technic



20 professional stamping die designers and process engineers.
3D & 2D die design using UG-NX8, Top-solid and Auto-Cad.
Simulation—Dany-form & Auto-form to insure the feasibility of every process.



Wire cutting Department.



Machining Department.



Die Assembly Department



Die Assembly Department



Tryout presses

400 Ton tryout press.

500 Ton tryout press.

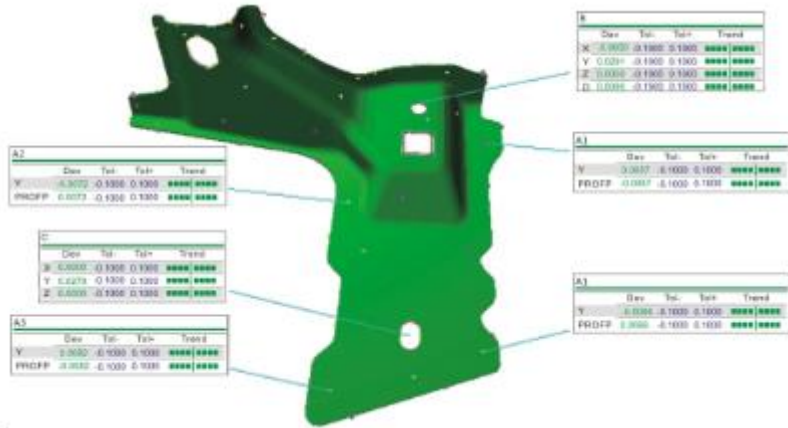


Tryout Press



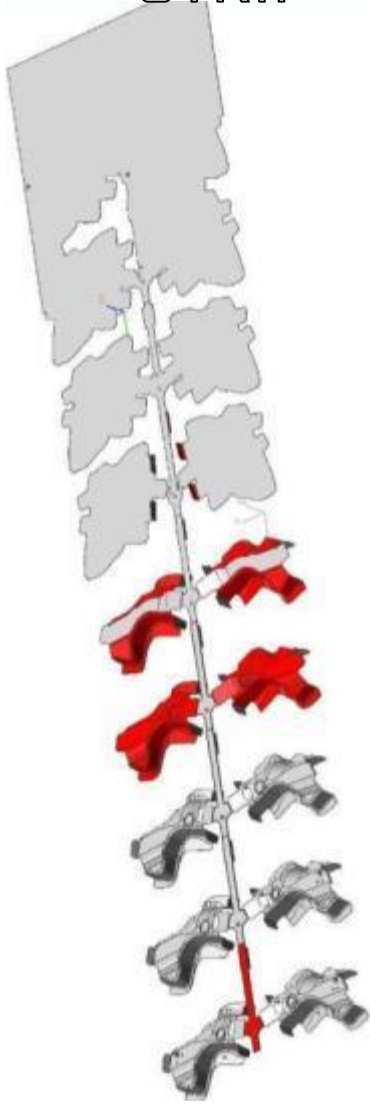
800 Ton Press
Bed size: 4200*2000 mm
Shut height: 500-1000 mm
SPM (s/min): 15

3D CMM

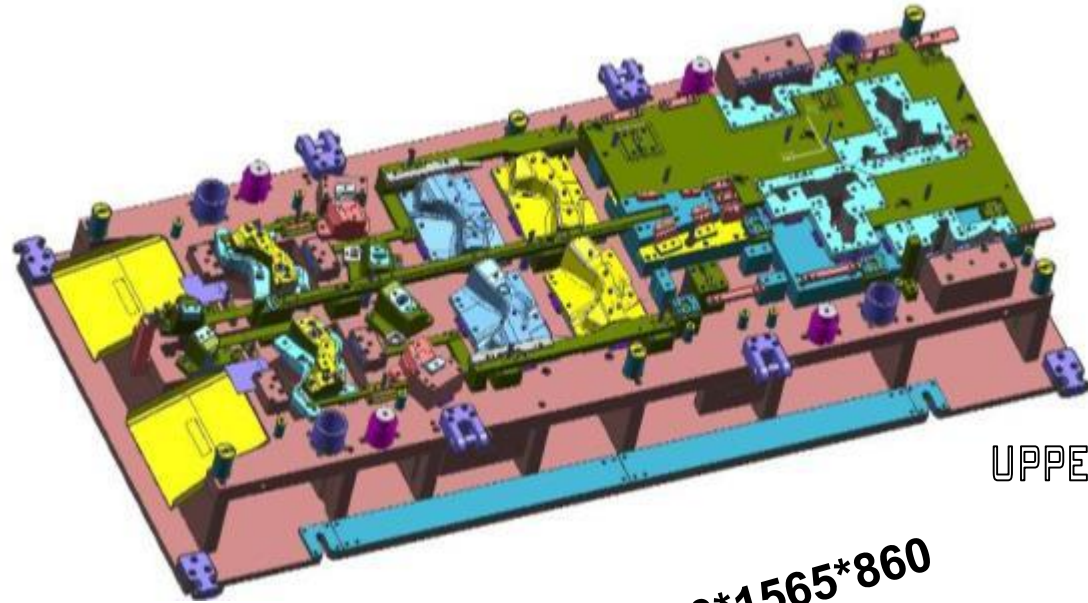


3D Die Design

STRIP

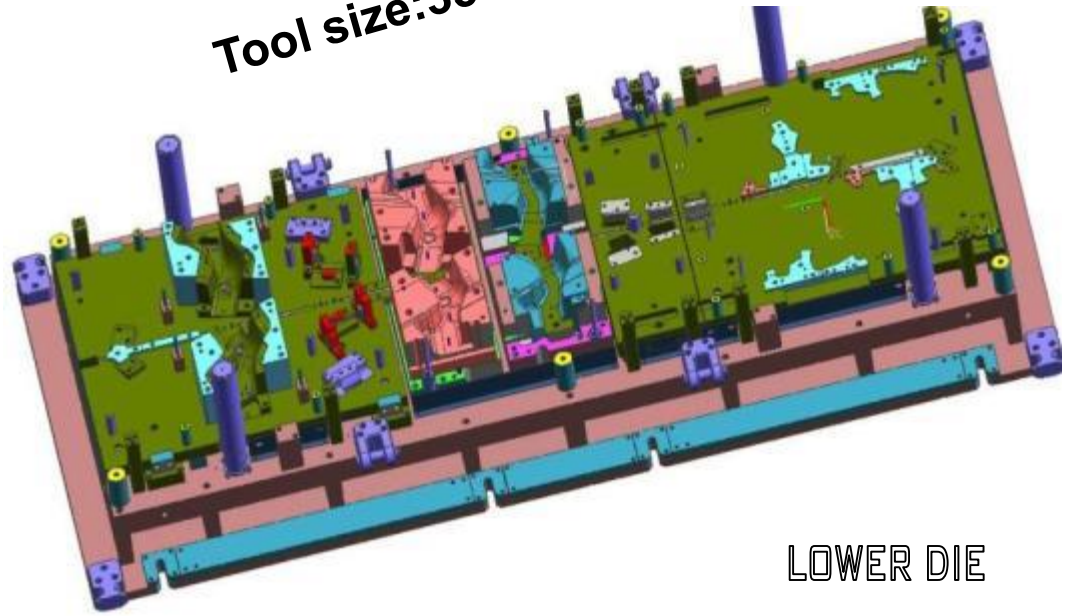


Thickness: 2.0MM



UPPER DIE

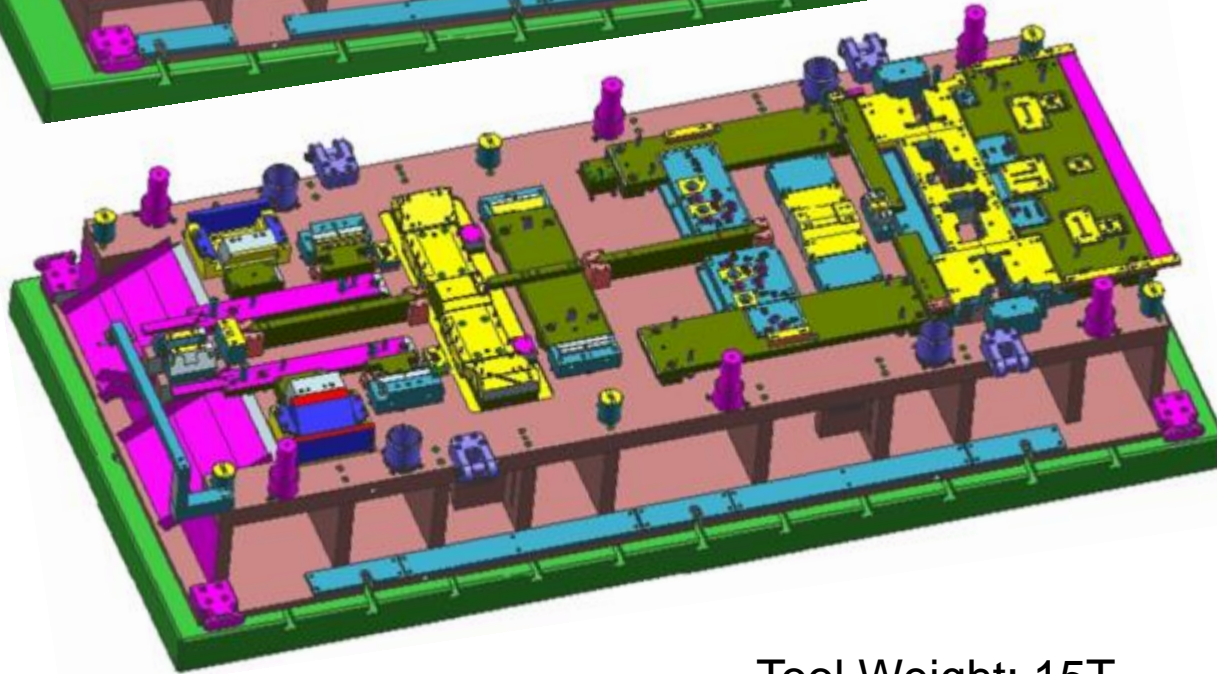
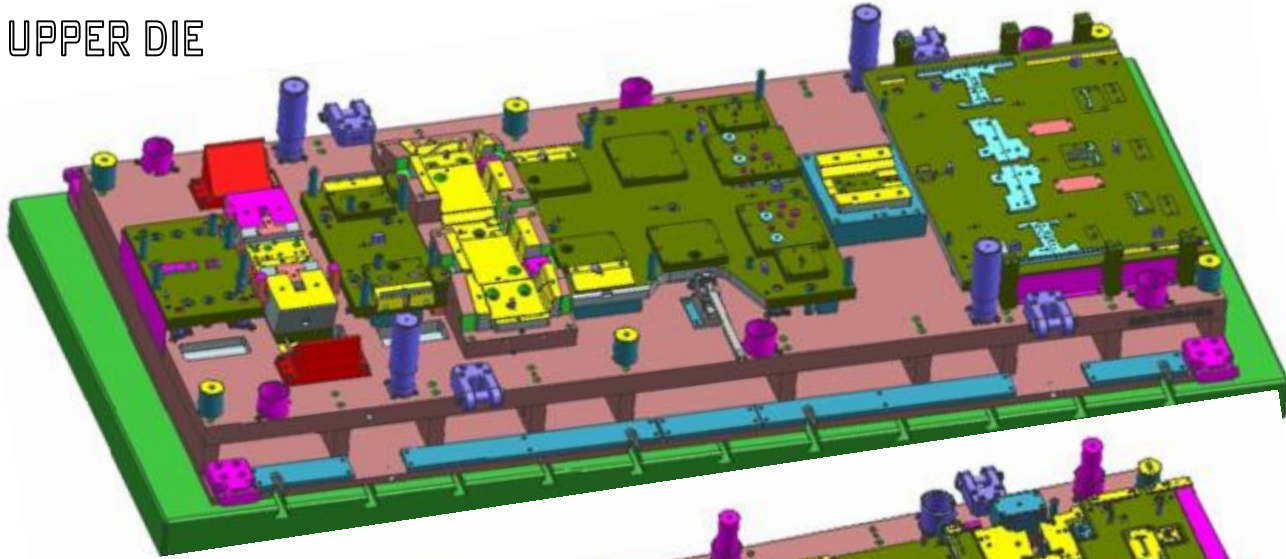
Tool size: 3550*1565*860



LOWER DIE

3D Die Design

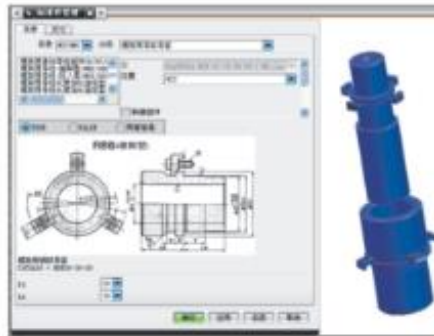
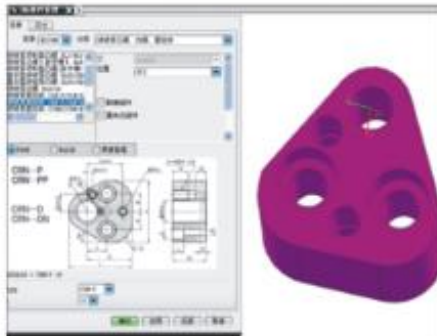
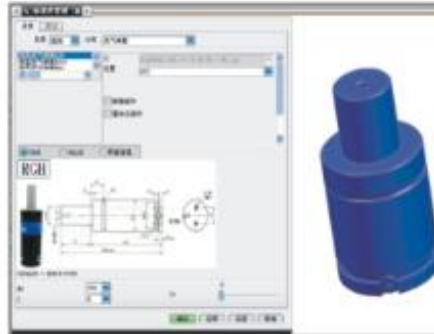
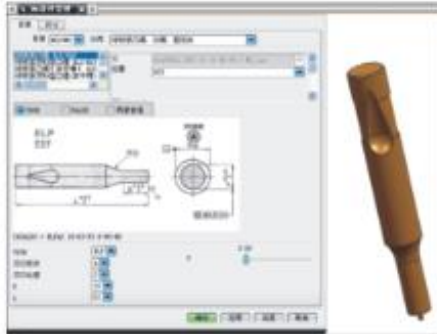
UPPER DIE



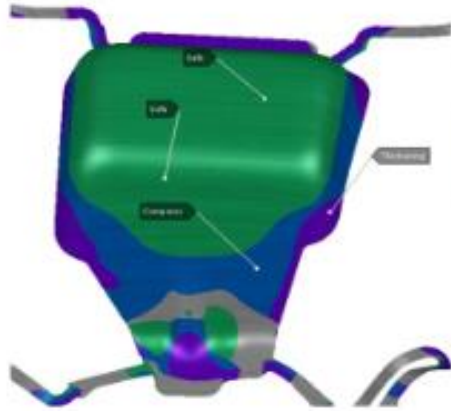
LOWER DIE

Tool Weight: 15T
Tool size: 3650*1690*850MM

3D Die Standardization



Simulation by Auto-form

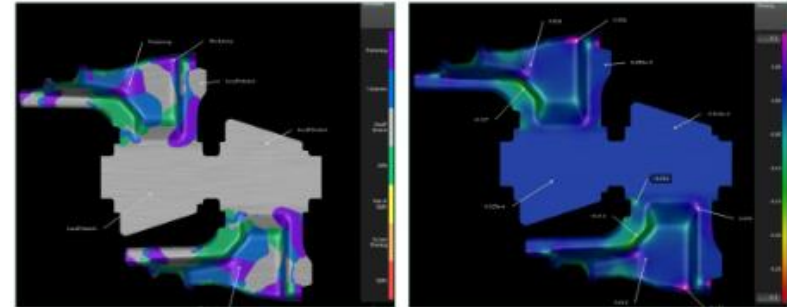
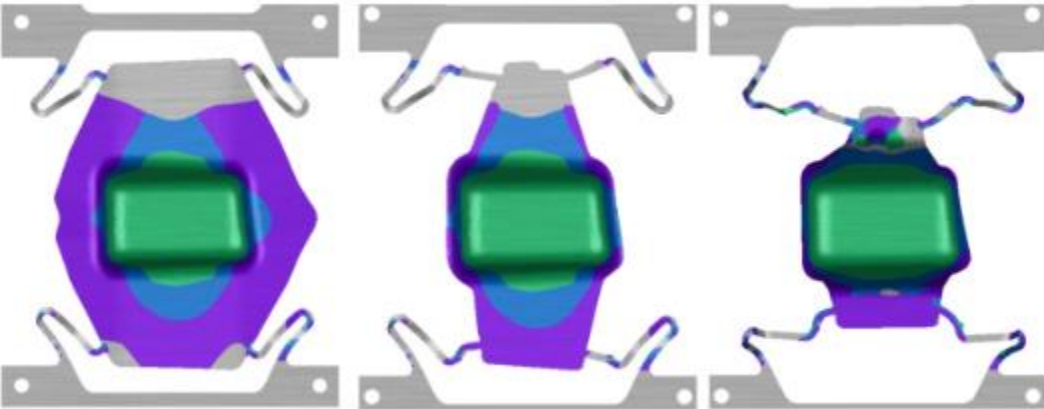


项目名称Project: 3D_91978 零件号Part No.: 3YD_809_A21622 零件名称Part Name: C_SCHAMBERKOPFARBE		零件成形性模拟分析 Simulation Analysis of Stamping Part Formability	
模拟设置 Status of Data 零件模型Part Model: AutoCAD ID: C:\3rd\chengxing\3d\Viewer\制件人\user1 计算Calculating: 计算: 完成: 完成 开始日期Date of start: 2014/4/28 完成日期Date of finish: 2014/4/28 人员Personnel: 张磊 张磊 工艺方案编制 Technical scheme compiled by: 张磊 张磊 模拟 Simulated by: 张磊 张磊		零件材料、厚度规格、质量Part's Material, Thickness and Data 10035LAC T=1.5 材料属性 Shape of sheet metal: <input type="checkbox"/> 平面 <input type="checkbox"/> 曲面 <input type="checkbox"/> 圆形 <input type="checkbox"/> 矩形 材料厚度Direction of sheet metal: <input type="checkbox"/> 沿Z轴 <input type="checkbox"/> 沿X轴 计算方式Drawing mode: <input checked="" type="checkbox"/> 模拟 <input type="checkbox"/> 显示	
备注Remarks: 空白模拟参数表Insert the specification of drawing direction: <input type="checkbox"/> 是: <input type="checkbox"/> 否 模拟软件版本Program and Version: AutoFormPlus R3.1		模拟结果Result of Simulation: 模拟结果严重, 应力分布不均。	
模拟结果评价 Evaluation of Simulation Results: ● 不合格: 模拟结果严重, 应力分布不均, 无法成形。 ● 合格: 模拟结果严重, 应力分布不均, 无法成形。 ● 合格: 模拟结果严重, 应力分布不均, 无法成形。 ● 合格: 模拟结果严重, 应力分布不均, 无法成形。			



模拟结果Result of Simulation:
模拟结果严重, 应力分布不均。

模拟结果评价
Evaluation of Simulation Results:
● 不合格: 模拟结果严重, 应力分布不均, 无法成形。
● 合格: 模拟结果严重, 应力分布不均, 无法成形。
● 合格: 模拟结果严重, 应力分布不均, 无法成形。
● 合格: 模拟结果严重, 应力分布不均, 无法成形。

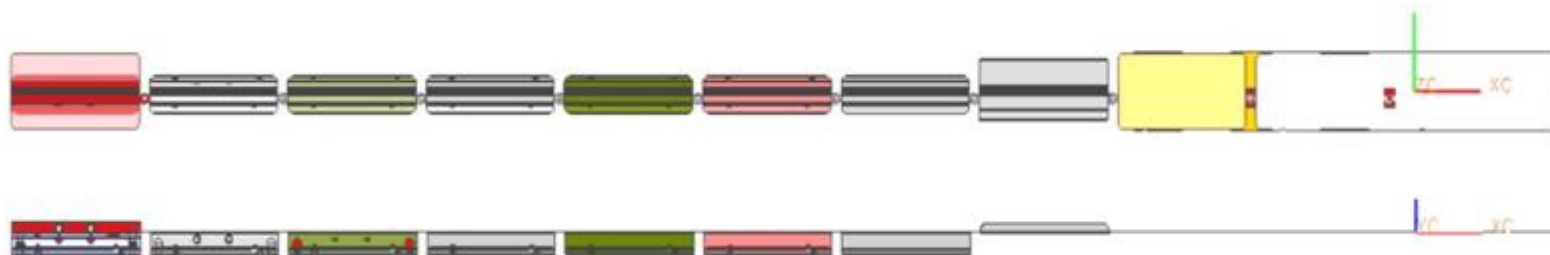


Die Display—Progressive

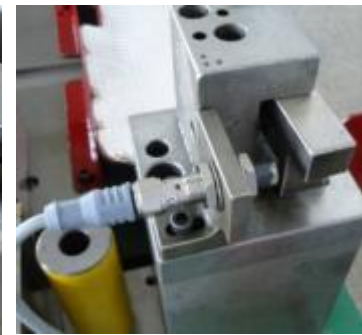
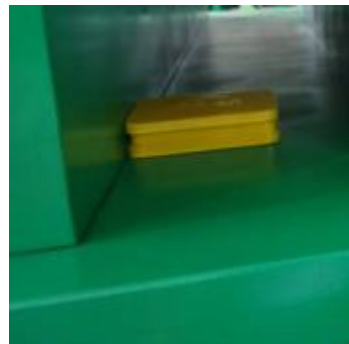


Ford project

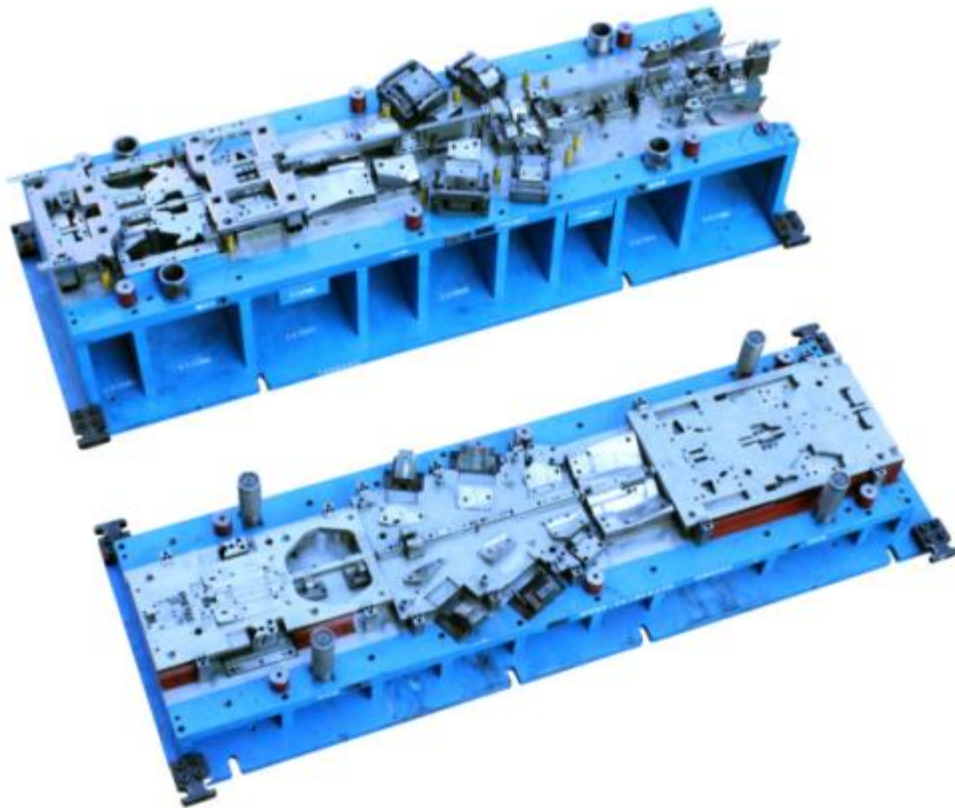
Tool size:4400*1270*750mm



Die Display—Progressive

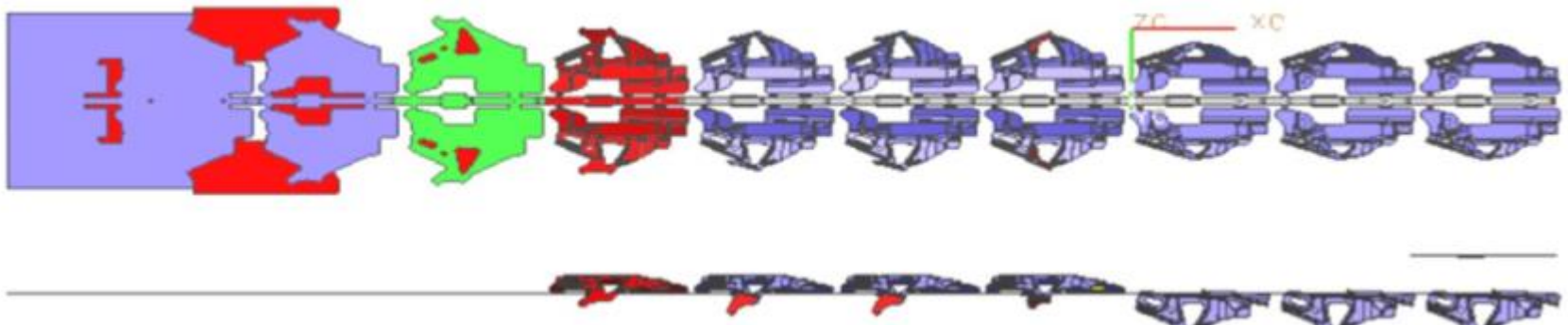


Die Display—Progressive



Jaguar project

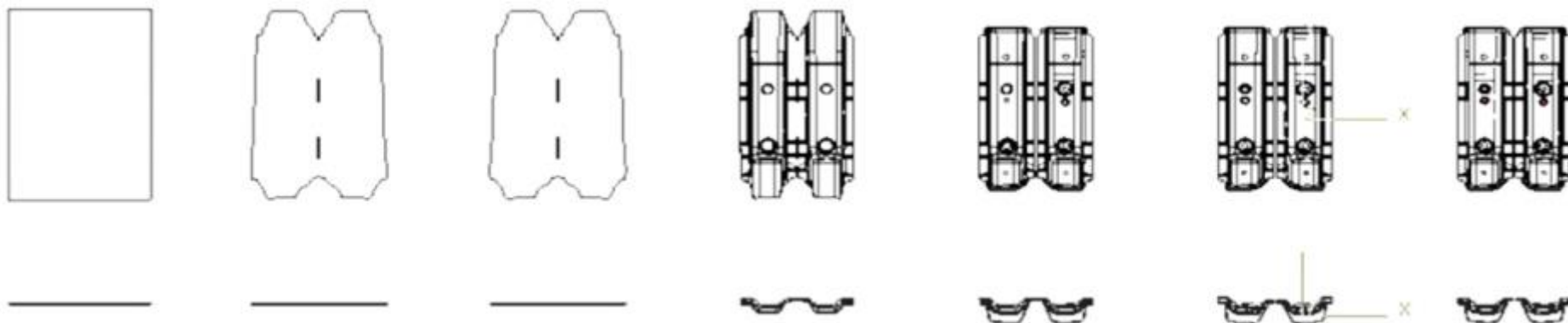
Tool size:3600*1330*1050mm



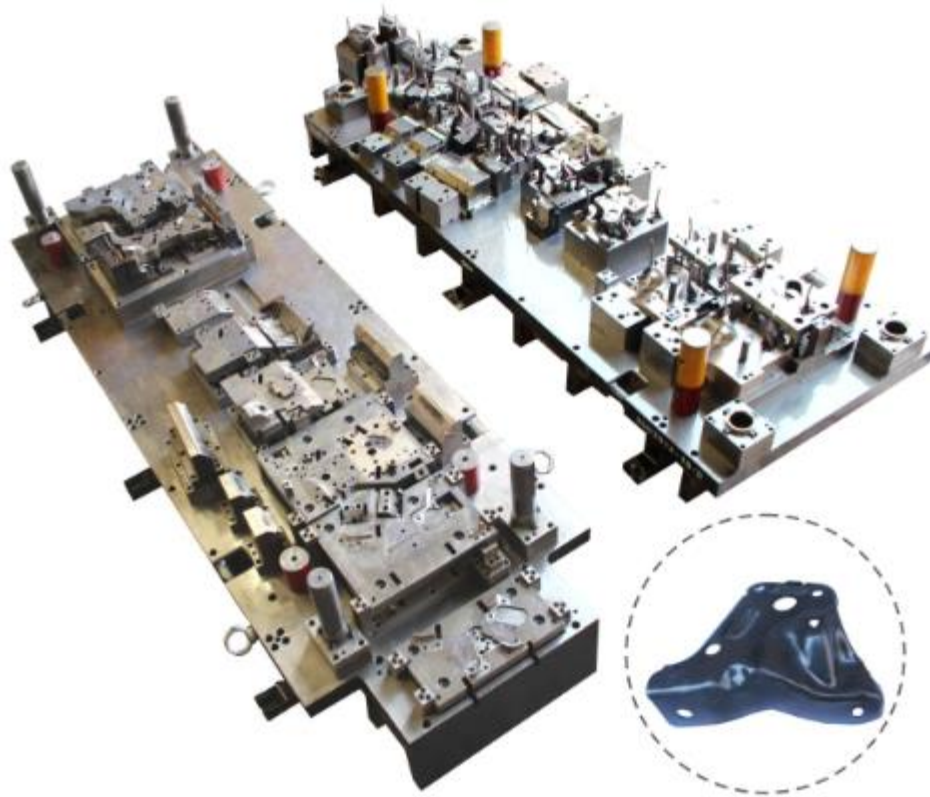
Die Display—Transfer Die



Jaguar project: transfer die
Tool size: $(2193+2112) \times 1462 \times 800$



Die Display—Transfer Die



Ford project: transfer die
Tool size:3330*1425*915mm



Thickness: 2.6mm

Strips Showing



Thickness: 2.5mm



Thickness: 0.8mm



Thickness: 1.5mm



Thickness: 1.2mm



Thickness: 5.0mm



Thickness: 2.0mm



Thickness: 0.8mm



Thickness: 4.0mm



Thickness: 1.5mm

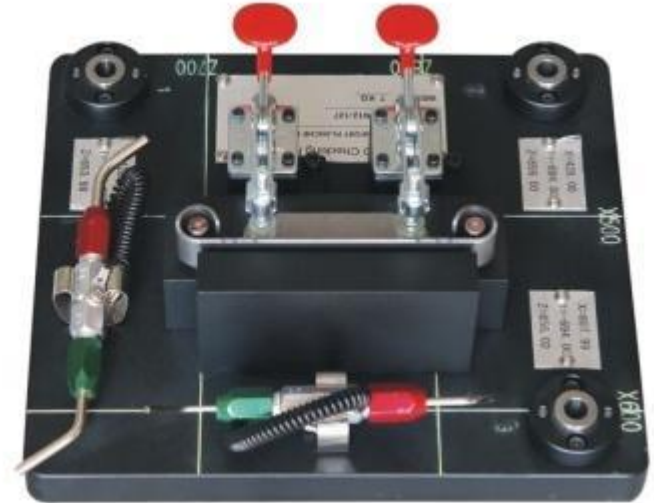


Thickness: 0.8mm

Strips Showing



Checking Fixtures



Marketing Segments 2016



Stamping Tool Industrial Segments

■ Automotive ■ Other



Overall Geographic Segments

■ Europe ■ America
■ Asia

Some End and direct Customers



- THANK YOU ! -