

## 鸿泰佛吉亚与您相约AUTO TECH 2019中国国际汽车技术展



近年来，汽车材料轻量化、绿色化、低成本备受汽车生产制造企业关注。鸿泰佛吉亚以汽车轻量化和复合材料的研发与生产为重点，下一步还将导入氢燃料储气罐业务及氢燃料电池系统的研发及生产，旨在汽车轻量化和节能环保领域实现新的突破。

### 武汉工厂

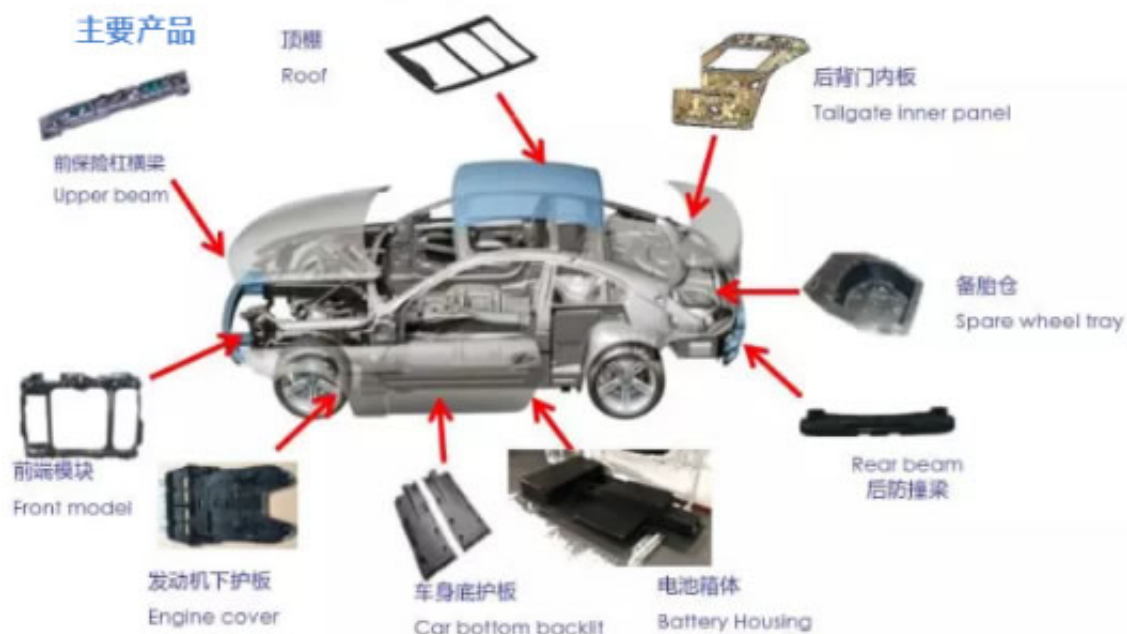
Address 地址: 武汉经济技术开发区振华路38号 38# Zhenhua Rd, Wuhan Economic zone

神龙0.5Km，东风本田2Km，离东风时代0.5Km，离东软睿驰15Km

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### 主要产品



AUTO TECH 2019 中国国际汽车技术展览会将于2019年5月9日至11日在武汉国际博览中心（汉阳）盛大举行，鸿泰佛吉亚届时将携旗下重点产品盛装亮相（展位号：204）。

### 鸿泰佛吉亚-展品

纯电动汽车电池上箱体（BEV Battery Top Cover）

## BEV Battery Top cover 纯电动汽车电池上箱体

Lightweight and low cost part for mass production lines

适合大批量生产的轻量化和低成本产品

faurecia  
inspiring mobility

### Benefits 优势

#### Weight Reduction 减重

-40% vs. Steel & -25% vs. Al (-4~8 kg)

-40% vs 钢材 & -25% vs. 铝合金 (-4~8 kg)

#### Design freedom 设计自由度

Fitting with large size and complex packaging

Easiest assembly and sealing 可适应大尺寸复杂的  
电池箱体且更易密封和装配

#### Reduced total cost 总成本的减少

Part price & tooling 零件成本和模具成本

### Technical description 技术特征

片状模塑料模压工艺 Sheet Molding Compound (SMC)  
process

玻纤或碳纤维增强 Glass fibers or Carbon fibers reinforced

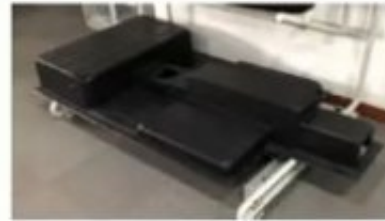
自动化生产工艺(激光切割) Automafized SMC  
manufacturing process(Laser cutting)

耐腐蚀 Corrosion free

可定制机械性能 Mechanical involvement

热管理(优良的绝缘性能) Thermal management  
(insulation)

尺寸: 2.2m \*1.3m\*0.3m Size: 2.2m \*1.3m\*0.3m



### Applications 应用

Mass production since 2019 2019 年量产

Applications: Nissan, Honda, PSA BEV 应用车型纯  
电动车型

innovation

ready for RFG

solid production

复合材料备胎托盘 (Composite Spare Wheel Tray)

## Composite Spare Wheel Tray 复合材料备胎托盘

Lightweight part optimized for mass production lines  
应批量生产的优化轻量化产品



**Benefits 优势**

**Lightweight:** -30% vs. steel spare wheel tray (-2.5kg)  
轻量化: 比钢制备胎托盘重量减 30%(-2.5kg)

**Design freedom:** Conception shape freedom  
灵活的设计: 更灵活的形状设计

**Ergonomic:** Better efficiency on the production line  
人机工程学: 高效生产线



product

**Technical description 技术特征**

- Sheet Molding Compound (SMC) process 片状成型塑料及工艺
- Thermoset polyester resin 热固聚酯树脂
- Glass fibers reinforced 玻璃纤维增强材料
- Optimized & automatized SMC manufacturing process 全自动SMC加工工艺
- Mass-market production: 2 parts / 90 seconds  
批量生产90s/2件



**Applications 应用**

Serial production since 2015 2015年投产

Vehicle : Renault Mégane / Scenic 应用: 雷诺梅甘娜/ 风景

innovation

ready for RIG

serial production

上横梁和防撞梁 (LFTD Upper beam/Rear beam)

## LFTD Upper beam/Rear beam 上横梁和防撞梁

Lightweight part optimized for mass production lines

适应批量生产的轻量化产品

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### Benefits 优势

- Weight reduction** -20~30% vs. steel 与金属比较减重20~30%
- Better than injection part 与注塑件比较:
- Physical Property**
- Tensile strength increase 20% 拉伸强度提升20%
  - bending strength increase 12% 弯曲强度 12%
  - Charpy notched impact increase 5 times 缺口冲击强度提升5倍
- Cost** Cost down 10% 成本减少10%

### Technical description 技术特征

- This product is assembled in the engine bay. The hook lock is assembled on it. 零件功能集成性，集成锁的安装
- The process of this part named LFT-D (Long-Fiber Reinforce Thermoplastic Direct). The material is PP+GF30. 使用长玻纤在线合成法生产，材料是PP+GF30。



### Applications 应用

Serial production since 2013 2013年投产

Vehicle : 308/408/C4L 应用: 308/408/C4L

innovation

ready for RFO

serial production

发动机下护板 ( Engine undercover )



## 发动机下护板 Engine undercover

高抗冲击零件

High impact resistant part for mass production lines

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### Benefits 优势

物理性能: 耐冲击性好, 强度是注塑件的两倍  
Physical: impact resistant, strength is 2 times higher than injection parts

轻量化: 相比金属减重30%  
Lightweight: -30% vs. steel part

风阻: 低空气阻力  
Air resistance: Lower than metal parts

### Technical description 技术特征

- 可控的玻纤长度 Glass fiber length can control
- 热塑性材料 Thermoplastic
- 在线成长玻纤工艺 LFT-D



### Applications 应用

批量生产 / SOP : 2014  
Serial production since 2014

车型: PSA 308/408/2008/C3-XR  
Vehicles : PSA 308/408/2008/C3-XR

innovation

ready for RfQ

serial production

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