

## COMPOSITES

复合材料

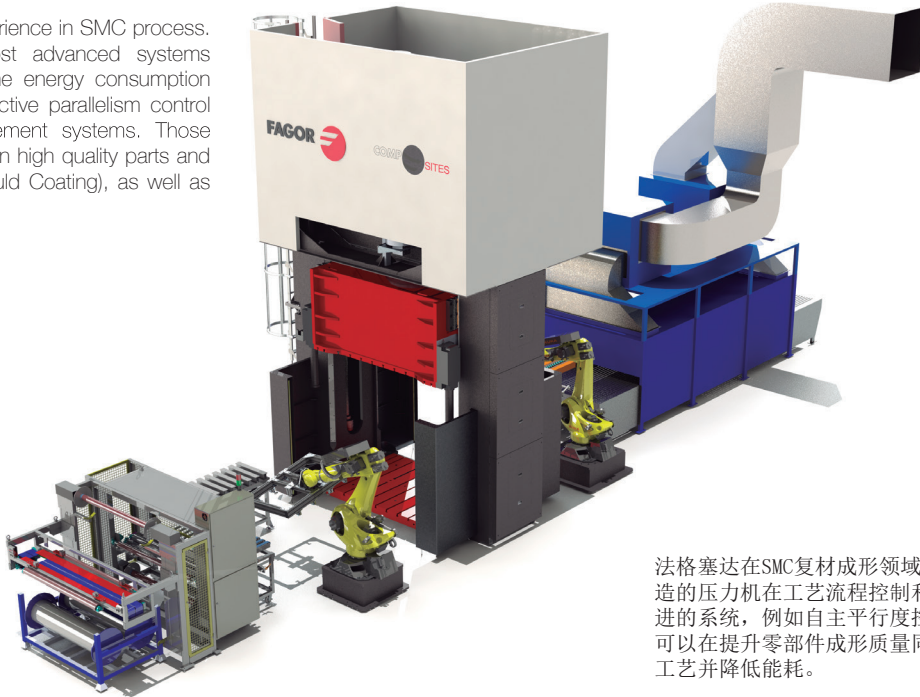


**40+** YEARS  
OF EXPERIENCE  
IN THE COMPOSITES INDUSTRY

## Sheet Moulding Compound 复材

**SMC**

Fagor Arrasate has a large experience in SMC process. Our presses include the most advanced systems for the process control and the energy consumption optimization, for example the active parallelism control and energy efficiency management systems. Those systems make possible to obtain high quality parts and also allow IMC process (In Mould Coating), as well as reduced consumption.

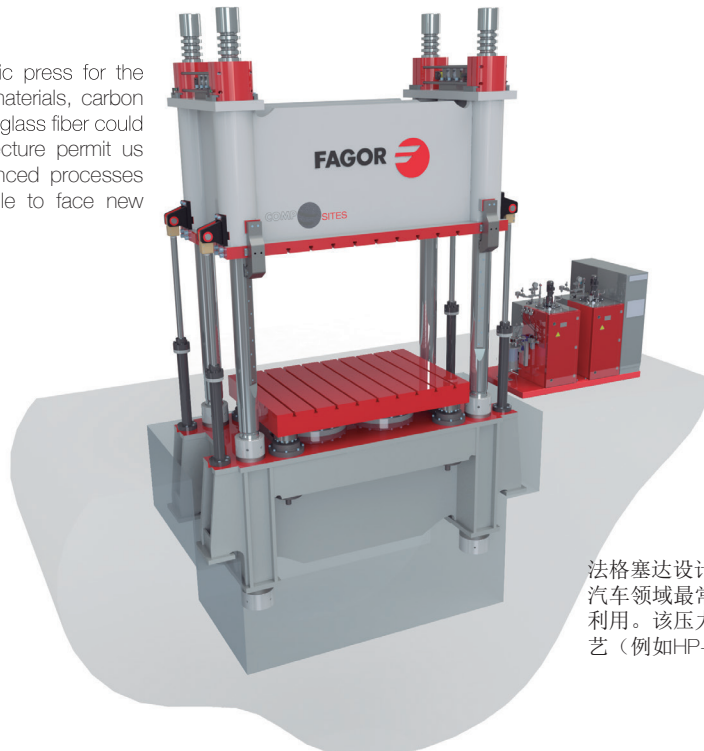


法格塞达在SMC复材成形领域拥有丰富的经验，我们制造的压力机在工艺流程控制和能耗优化方面配备了最先进的系统，例如自主平行度控制系统和能效管理系统，可以在提升零部件成形质量同时，兼容IMC(模内涂层)工艺并降低能耗。

## Carbon Fiber Reinforced Plastics, RTM, HP-RTM, Compression RTM, Wet compression, Organo Sheets 碳纤维增强树脂，RTM，HP-RTM，压缩RTM，湿压缩，有机板材

**CFRP**

Fagor Arrasate has designed a specific press for the processing of continuous composite materials, carbon fiber is most common in automotive but glass fiber could be also used. This new press architecture permit us to produce parts with the most advanced processes (HP-RTM for example) making possible to face new challenging developments.

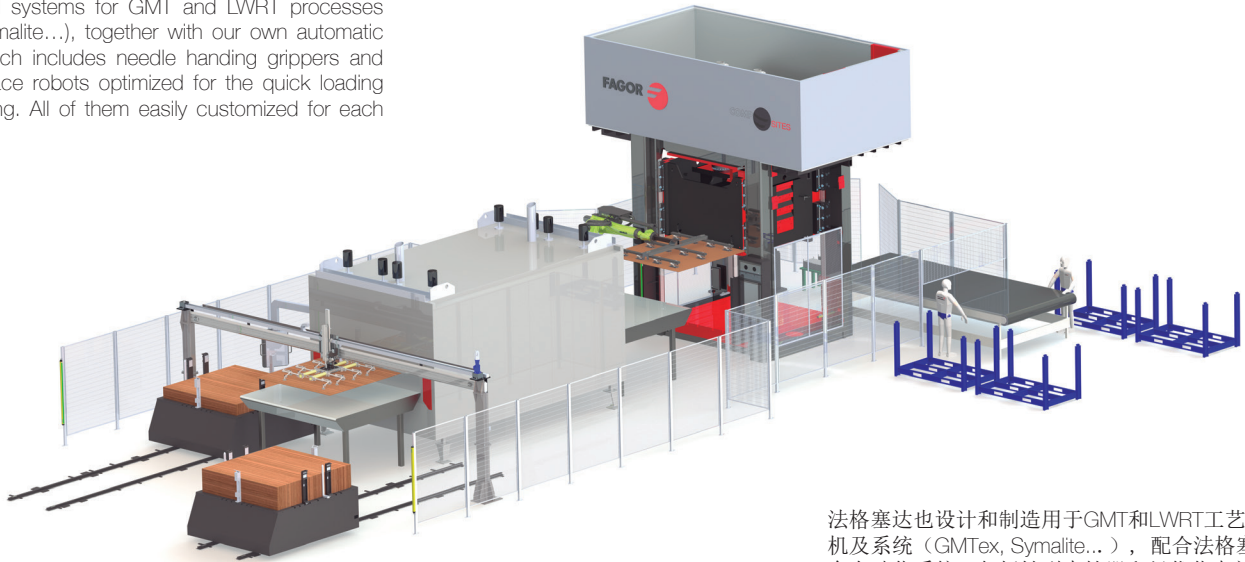


法格塞达设计了一款用于复合材料的连续加工的压力机。汽车领域最常见的材料是碳纤维，但是玻璃纤维也可以利用。该压力机的结构可以使用户采用最先进的生产工艺（例如HP-RTM），来面对新工艺的挑战。

## Glass Mat Thermoplastic & Lightweight Reinforced Thermoplastic 玻璃纤维热塑性复合材料和轻质增强热塑性复合材料

## GMT / LWRT

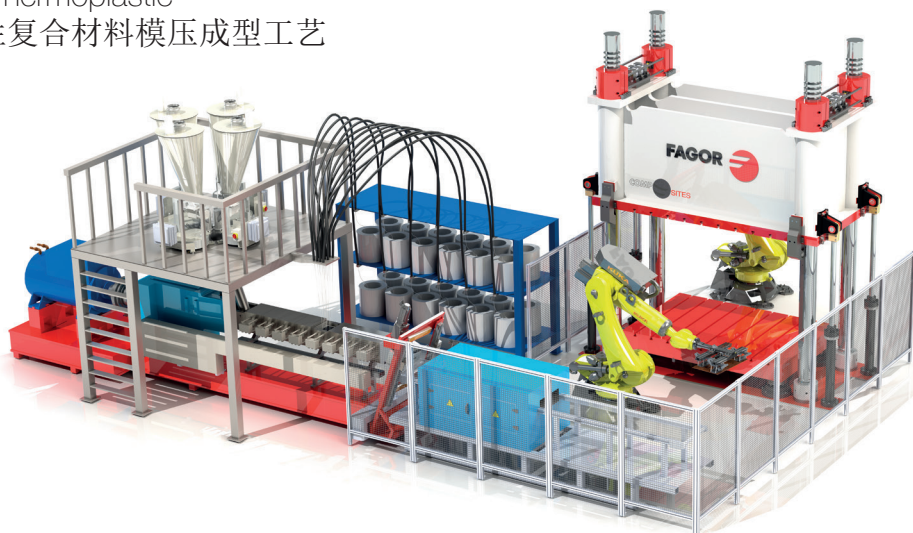
Fagor Arrasate also designs and manufactures presses and systems for GMT and LWRT processes (GMTex, Symalite...), together with our own automatic systems which includes needle handling grippers and pick and place robots optimized for the quick loading and unloading. All of them easily customized for each application.



法格塞达也设计和制造用于GMT和LWRT工艺的成形压力机及系统（GMTex, Symalite...），配合法格塞达技术的全自动化系统，包括针型夹持器和经优化专门用于快速取放料机器人。这些设备均根据客户的工艺量身定制。

## Direct Long Fiber Thermoplastic 长纤维增强热塑性复合材料模压成型工艺

## D-LFT



As this is a process where the thermoplastic matrix material is being compound in line, we offer the possibility to provide the whole process manufacturing equipment, from the compounder for raw material (pellets+fibers) to the final part unloading from the press, all full automatized. The type of extruder could also be different depending on customer needs.

鉴于热塑性材料混合生产工艺，我们提供完整的全工艺生产线设备，从原料混合（颗粒+纤维），到最终成形部件的下线，一整套全自动化工艺。注胶机的类型可以根据客户的需求定制。



**Fagor Arrasate S.Coop.**

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