



## Magna Exteriors Torsional Welding for Automotive Fascia

Magna has put a new twist on joining thermoplastic materials in order to help automakers cut weight and costs: torsional welding. The torsional welding process, developed by Magna for automotive applications at its exteriors plant in Liberec, Czech Republic, presents a new way to join plastics. It features a high-speed twisting motion that creates enough friction-based heat to join a plastic bracket to a thermoplastic fascia.

Category:  
**Enabling  
Technology**

Application:  
**2017 Skoda Octavia**

Weight Savings:  
**10%**  
Lighter than previous system

Methodology:  
**Design Optimization**

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