**Level Up!  
No Downstream Processing:   
One-step to the visible part**

At K 2025, Haitian International will present a smart, sustainable solution for the automotive industry: the production of visible parts directly from the mold using polypropylene and a pre-decorated film insert. This eliminates the need for painting or other downstream processes. The exhibit features a fifth-generation Jupiter machine combined with a fully integrated automation cell from Haitian Smart Solutions.Ein Bild, das Wasser, Licht, Spiegelung, Nacht enthält.

KI-generierte Inhalte können fehlerhaft sein.

The application is a wheel arch for the automotive sector. The special feature is that a preformed decorative film is inserted directly into the mold and bonded with the PP during the injection molding process. There is no need for a transfer station, painting or trimming – the part leaves the mold fully decorated and ready to install.

This streamlined process reduces complexity, material waste and cycle times. At the same time, it enables the use of cost-effective recycled materials while meeting high demands for surface quality. The Jupiter servo-hydraulic two-platen machine provides the necessary precision and stability for such applications, offering a compact footprint and full automation potential.

At K 2025 a Jupiter Series with clamping force of 6,500 kN produces a 450 g part in a single-cavity mold in 60 seconds. Film handling and part removal are fully automated using Haitian Smart Solutions components. The system is also equipped with Haitian’s Go Factory MES for real-time production monitoring and control, as well as the HT·Inject smart feature, which optimizes the injection process in real time and ensures consistent part weights — a critical advantage when processing recycled materials.

This live showcase is the result of close collaboration between Haitian, Oerlikon HRSflow, Inevo, DNP, ExxonMobil, Meusburger and Sesotec. Together, these partners demonstrate how premium quality and economical manufacturing can go hand in hand without compromising process reliability.

**Visit us at Hall 15 / A57**

More: eu.haitianinter.com/Haitian-at-K2025