



TOYODA GOSEI

November 13, 2023

News Release

Toyota Gosei Co., Ltd.

Contact: Akemi Shimizu
inquiry@mlist.toyoda-gosei.co.jp

Toyota Gosei Environmental Products Used on New Toyota Crown Sedan *High-pressure hydrogen tank and topcoat-less hot-stamped grille*

Kiyosu, Japan, November 13, 2023: Toyota Gosei Co., Ltd.'s high-pressure hydrogen tank and topcoat-less hot-stamped grille have been adopted for use on new Crown sedan launched from Toyota Motor.

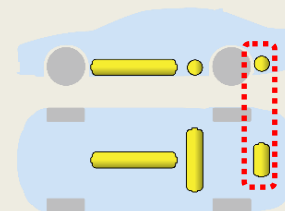
The fuel cell electric vehicle (FCEV) model of the Crown sedan is equipped with high-pressure hydrogen tanks to store the hydrogen fuel. In the rear of the vehicle is a Toyota Gosei high-pressure hydrogen tank with technology jointly developed by Toyota Motor and Toyota Gosei for improved storage efficiency through high airtightness to seal in hydrogen and high pressure resistance for efficient storage.

The front grille features metallic spot decoration with hot-stamping.* Toyota Gosei's topcoat-less, hot-stamping technology reduces CO₂ emissions during production by 20%. Hot-stamping of surfaces with large curves is also achieved with the company's precision processing technology.

Toyota Gosei will continue to leverage its expertise in plastics to contribute to environmentally-friendly mobility.

* Hot-stamping technology imparts a metallic texture to a product by transferring foil onto it with heat, enabling spot decoration of protuberances and other areas with small surface areas.

High-pressure hydrogen tank



Tank in rear of vehicle
made by Toyota Gosei

Location of high-pressure hydrogen
tanks on Crown sedan FCEV

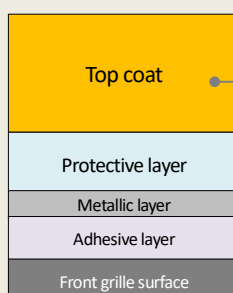
Topcoat-less hot-stamped grille



Portion decorated with topcoat-
less hot-stamping (red dotted line)

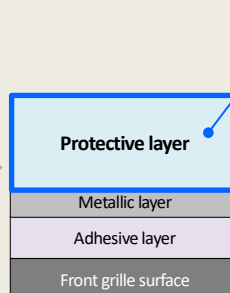
Key points in hot stamp technology that does not use a top coat

Previous



Prevents deterioration
of surface on which foil
is transferred

New



(1) Application of highly
weather-resistant plastic

(2) Thicker layer

Without need for a top coat,
CO₂ emissions during
production are cut 20%