



## Daimler Truck Drives ProJet™ 5000

Daimler Trucks North America LLC, a Daimler company, is the largest heavy-duty truck manufacturer in North America and a leading producer of medium-duty trucks and specialized commercial vehicles. Their products include such well-known brands as Freightliner Trucks, Thomas Built Buses, and Detroit Diesel Engines. Daimler trusts the ProJet 5000 large format 3D printer for critical design verifications and to accelerate their design to manufacturing process.

*“We really appreciate our ProJet ease of use, large platform and high accuracy. Our ProJet 5000 has allowed us to collapse our pre-production assembly verification process and assembly training shaving weeks off our mock-up phase of pre-production. The print materials offer the ideal combination of part quality, toughness, stability and precision to stand up to our vigorous requirements.”*

Tom Gomoll  
MDC Supervisor  
Portland, OR



Daimler uses their ProJet 5000 to print truck components and quality assurance go no-go gauges on a weekly basis for use during their mock-up phase of pre-production to verify critical clearances in the assembled vehicles. The tough VisiJet MX part material is routinely drilled and tapped and withstands the rough handling conditions characteristic of vehicle manufacturing. For example, vehicle pipe routing is difficult to visualize and design in CAD to ensure precise clearances. To address this challenge, Daimler prints the pipes on their ProJet 5000 and fully assembles them on the engine at the Daimler mock up facility. This allows every route and associated brackets to be checked, and if needed modified prior to manufacturing. This is not the only critical item in which Daimler uses their ProJet 5000. In addition to the engineering prototype applications, Daimler utilizes the high-precision of the ProJet 5000 to produce end production go no-go assembly gauges and prints long lead-time components to allow production assembly training in pre-productions to prepare for final production when the components are available saving valuable time to market.

Reasons for choosing ProJet 5000:

- Large part size capability
- Accuracy & precision of parts
- Quality of prints
- Tough, stable part material
- Easy to use

