



AUTOMOTIVE

**Making Vehicles Lighter,  
Stronger, and Quieter.**

We partner with automobile manufacturers around the globe to provide custom-engineered solutions designed to improve crash/structural performance, reduce overall noise, vibration, and harshness (NVH), and reduce the vehicle's weight.

[llproducts.com](http://llproducts.com)

## Providing Custom Engineered Solutions for the Automotive Industry.

We develop materials that include heat-activated and ambient-curing structural adhesives, lightweight composite reinforcing structural inserts, sealants, and thermal and acoustic management solutions.

Our highly specialized product engineers, designers, and fabrication personnel bring expertise in materials science, design engineering, CAE testing and validation, innovation, and manufacturing to deliver competitive customized solutions.

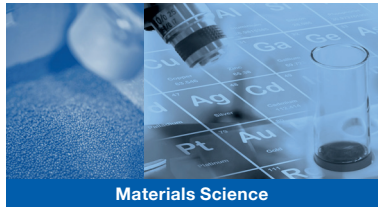


### CUSTOM DESIGNED SOLUTIONS



**Advanced Engineering**

The L&L team designs and optimizes solutions for each unique application.



**Materials Science**

The material properties can be tuned according to the application requirements.

### TECHNOLOGY HIGHLIGHTS



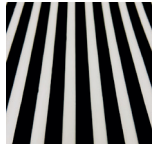
**Composite Body Solutions™ (CBS™)**  
Structural reinforcement for improved performance, mass, process, and cost optimization.



**Continuous Composite Systems™ (CCS™)**  
The lightweight, ultra-strong, and cost-effective alternative to metal frame structural reinforcement.



**L&L Seal Heat-Activated Sealants**  
Offering robust sealing solutions for over 50 years.



**L&L Bond Heat-Activated Structural Adhesives**  
High-performance adhesives that are applied prior to the E-coat bake process.

