Dow Automotive

Dow Automotive Technical Capabilities

Optimize Solutions for Design through Product Launch

Dow Automotive is supporting thousands of technology-driven solutions for improving vehicle safety, durability, acoustics, design flexibility and aesthetics. Nearly all of our solutions reduce vehicle weight and provide assembly efficiencies that result in lower total production cost. We provide OEM and tier customers with solutions that meet or exceed performance targets in all vehicle segments – interior, exterior, under-the-hood, body-in-white structural, acoustical and thermal management and aftermarket applications.

The company's credibility as a supplier of superior plastics, glass bonding/direct glazing systems, vehicle body structure enhancements, acoustical management and NVH systems, adhesive and sealant technologies, emissions control technology, films and fluids, has resulted in award-winning automotive components and application solutions.

As the organization continues to build on its success, Dow Automotive's technical capabilities have been integrated into its global business model to ensure total program involvement, and ultimately total customer satisfaction. What this approach delivers to customers is a seamless operation through which Dow Automotive not only provides the best material for a given application, but also the concept/design, design engineering/validation and processing know-how that ensures an end use that exceeds expectations. As a full-service supplier, we offer the technical resources, engineering capabilities, materials selection and optimization, plus the supply-chain management that allows us to exceed customer requirements, meet appropriate regulations, reduce cost and accelerate time to market.

Dow Automotive technical resources are global in scope and location and are focused in four main areas:

Advanced Engineering Centers

- Advanced system design conceptualization
- Design feasibility, testing/validation
- Attachment technology and optimization
- System cost reduction
- Engineering program development
- Materials application development and optimization
- Selection of materials, fabrication and processing methods, equipment selection

This work is performed to enable Dow Automotive to translate emerging customer needs into product development efforts. The organization has the resources to accelerate product to market and to pass efficiencies along to the customer as cost savings. Located geographically close to OEMs, globally, these automotive centers are experienced in all aspects of part design and prototyping, tool design and appropriate testing and validation under simulated (CAD/CAE, FEA, FMEA) and actual conditions. Feasibility reviews for tools/molds and processing equipment studies and recommendations are also performed.

Capabilities.

Technical Service and Development

- Product development
- Product and component testing/validation
- Technical and manufacturing service and support

Technical Service and Development (TS&D) centers are located in Midland and Auburn Hills, Michigan, with support sites located worldwide. These centers provide field-based technical service – close to customers for quick response. They also assist in material selection, production start-up and manufacturing support. From a product development standpoint, personnel at these centers assist in identifying customer needs and facilitating research efforts. In addition, a core technology group keeps abreast of the latest process technology. TS&D also oversees product compliance with regulatory issues and globally mandated safety requirements, as well as provides customers with information on safe and ethical use of Dow Automotive products.

Product Research and Development

- Product development and optimization
- Product characterization and troubleshooting

R&D is not only responsible for new product development and optimization but also for making sure that spending is tied to customer needs. This ensures value to customers and fiscal responsibility to the Dow Automotive organization. R&D uses an accelerated business development process to develop new polymers that will be ready to proactively address tomorrow's needs.

Central Research and Development

- Basic material science and development

This group, along with R&D, draws upon the vast resources of The Dow Chemical Company to ensure a constant stream of innovative thinking for raw material development that will provide the backbone for inventive products, processes and applications for continued growth and customer value.

Dow Automotive is dedicated to delivering fast, cost-effective and usable answers to help make vehicles safer, stronger, quieter, lighter, cleaner, more comfortable and better looking. Whether it's developing new and innovative materials, testing product characteristics, analyzing vehicle component design, optimizing a solution or assuring a turnkey system, Dow Automotive is ready to anticipate and respond to OEM needs.

For more information about Dow Automotive, contact one of the following offices or visit www.dowautomotive.com.

We listen. We deliver.

Dow Automotive

World Headquarters

Dow Automotive
1250 Harmon Road
Auburn Hills, Michigan 48326
USA
Phone: 248-391-6300
Toll free: 1-800-441-4369
Fax: 248-391-6417
E-mail: dowautomotive@dow.com
www.dowautomotive.com

Dow Automotive
Dow Deutschland GmbH & Co OHG
Am Kronberger Hang 4
D-65824 Schwalbach
Germany
Phone: + 49 (0)6196-566-0
In Finland: 990 3 694 6367
In Italy: 800 783 825
Toll free: 00800 3 694 6367*
Fax: + 49 (0)6196-566-444

*Toll free from Austria, Belgium, Denmark, France, Germany, Hungary, Ireland, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Form No. 299-50107-906 HMC/FG