Overmolding & Assembling
Housing for glow control unit with press-fit zones

Sensor stamping grid for 8-gear transmission

Connector

Motor busbar for assisted steering column

Our Products

As an integral part of the Diehl Group, the company locations in Berlin, Zehdenick and Besançon are specialized in producing composite products made of metal and plastics for the automotive industry and for electronics and electrical engineering applications.

Metal-plastic compound systems from Diehl Metal Applications are used to connect electronic systems in ABS, ESP and transmission control technology, in central electrics as well as in lighting and connector modules. They ensure simplified functional integration, production benefits and weight savings. The e-mobility technology of the future will lead to considerable changes in the automotive industry. New advances in the areas of transmission, engine and battery will also affect the supplier industry. Diehl Metal Applications invests in new technologies to support customers and partners in their progress, in particular with power modules. They are the electric currents management centers of hybrid and electric vehicles.
With over 60 horizontal and vertical injection molding machines exerting clamping forces of 150 to 4000 kN, we process over 1,000 tons of plastic material per year. This material includes unfilled, filled and highly filled engineering and high-temperature resistant plastics such as PA, PBT, PPS, PEI, LCP and PEEK.

We continually develop customized production concepts, such as high-performance workpiece carrier circulation systems for projects with high volumes. Even modular production concepts which can be expanded based on volume are possible. Furthermore, we offer downstream or fully integrated operations, such as completely automated assembly and packaging of electronic components.

Our team of experienced product developers and tool designers work as early as the product development phase to ensure optimally coordinated product design with respect to technology, quality, costs and ecological production.

To provide support for serial production, we produce customer-specific prototypes. The prototype may be lab tested in real-time, analyzed and optimized based on the results.

Overmolding & Assembling Technologies

Flexible Production Concept

The flexible production concept developed by us allows fully automated production even with medium volumes simply by changing part-specific components. Our customers thus profit from a reasonable part price at comparatively low investment costs.

Flexible Production Concept

To provide support for serial production, we produce customer-specific prototypes. The prototype may be lab tested in real-time, analyzed and optimized based on the results.

Optimum development services through:
- CAD programs: SolidWorks and CATIA V5
- FEM analyses
- Moldflow®.

Quality/Quality Management

We are certified according to:
- Quality management ISO TS 16949:2009
- Environmental management EMAS 2
  and DIN EN ISO 14001:2005 + Cor 1:2009

We carry out 100% in-process, product-specific test scans on quality-relevant characteristics. For quality assurance, 3D measurement systems are also available.
Diehl Metal Applications GmbH
Am Stichkanal 6-8
14167 Berlin
Germany
www.diehl.com/metall

Your Contact Partners:

Germany, Switzerland, Benelux, Scandinavia, Great Britain, America
Sales Office Berlin
Phone +49 30 84784-438
Fax +49 30 84784-439
E-Mail: sales-berlin@diehl.com

Austria, Eastern Europe
Sales Office Vienna
Phone +43 1 7150960-10
Fax +43 1 7150960-30
E-Mail: sales-wien@diehl.com

France, Southern Europe, Asia
Sales Office Besançon
Phone +33 3 81402-243
Fax +33 3 81402-219
E-Mail: sales-besancon@diehl.com

For further information, please see the flyers:

- Schempp+Decker Press-Fit Zones
- Plating
- Precision Stamping