Busbar technology needs to go well beyond conventional bolt-on bulky approaches by providing application-specific flexibility for tighter integration, reliability and cost-effective production.

**PHASE BUSBAR**

**BENEFITS**
- Enables robust, flexible power bus scenarios.
- Integrated control circuit connectors to increase functionality while minimizing size, weight and complexity.
- Improves product lifecycles.

**FEATURES**
- 3-phase power interface.
- Flexible busbar connection options.
- Copper and aluminum contact.
- Stamped and machined contact designs in straight, 90 degree and custom angles.
- Low voltage and high voltage application options.
- Integrated control circuit connectors.
- Current sensing: integrated laminate magnetic cores.
- Bolted, brazed & laser welded connection.

**MARKETS & APPLICATIONS**
- Automotive, Commercial Transportation.
- Integrated drive modules.
- Inverter AC output.
- Low voltage servo – steering.

**AC & DC MOLDED BUSBAR**

**BENEFITS**
- Provides robust flexible interface options.
- Integrates multilayer inductance cancelling.
- Supports high voltage and high current designs.

**FEATURES**
- Multilayer busbar with molding.
- Inductance canceling for wide band gap (WBG) applications.
- Current sensing: integrated laminate cores.
- Integrated flexible busbar option.

**MARKETS & APPLICATIONS**
- Integrated drive modules.
- Inverters AC & DC side.
- By-pass filters.
- Converters.
- High voltage interface boxes.
Busbar technology needs to go well beyond conventional bolt-on bulky approaches by providing application-specific flexibility for tighter integration, reliability and cost-effective production.

**MOTOR STATOR BUSBAR**

**BENEFITS**
- Improves electrical conductivity and electrical performance with efficient designs.
- Reduces the size and weight of a motor by eliminating complex cable connection.
- Helps eliminate the wiring errors.
- Simplifies the supply chain with a one-piece solution.

**FEATURES**
- Compatible laser weld hairpin stator designs.
- Molded, over molded and assembled construction.
- Materials and designs compatible with oil cooling requirements.
- High temperature construction.
- Typical size range: 30mm to 280mm diameter.
- Integrated phase connectors and interface options.
- Integrated high dielectric insulator options.
- Multi-layered busbar and coated wire construction options.

**MARKETS & APPLICATIONS**
- Integrated drive modules.
- High-voltage traction drive motors.
- E-drive motors.
- Low-voltage servo - steering and motion.

**FLEXIBLE BUSBAR**

**BENEFITS**
- Excellent vibration and shock absorption.
- Improves electrical conductivity.
- Increases power efficiency.
- Maintains flexibility without compromising mounting strength or vibration absorption ability.
- High tolerance for assembly mismatch/offset.
- Easily customizable for compatibility with specific assembly environments.

**FEATURES**
- Comprises of flexible or high conductivity copper or aluminum strips/ lamels.
- Molecular diffusion welding bonds multiple sheets to single solid body at mounting areas, while maintaining flexibility in the other areas.

**MARKETS & APPLICATIONS**
- Electric, hybrid and fuel cell vehicles.
- Electrical connections in switching cabinets.
- Power link for generators.
- Transformers.
- Charging stations.