

Automotive Body Shop



In the body shop, the parts of the automobile (underbody, front structure, body sides, and roof) are assembled into a semi-complete product. In this area, Graco equipment is used for:

- Structural adhesive bonding – Adhesive bonding is used in conjunction with existing welds to improve the car's structure – for example to improve the joint stiffness on hinges, hydrofoam structures and rails.
- Ambient or warm-applied sealing – Ambient and warm-applied sealants are applied to the car's body to help keep out noise, dust, water, and gases, and to reduce corrosion.
- Body sealing – The car's body is sealed to help it resist damage.

Robots are increasingly used in auto plants to reduce labor expenses and improve accuracy, consistency, and throughput in body construction, which means an increase in new sales for robot attachments. Vehicle weight reduction adds more opportunities, because one of the principal methods of reducing car body weight is to use adhesives instead of welds.