

Automotive Stamping



Stamping is a generic term that describes the processes required to manufacture automobile and truck sub-assemblies such as doors, hoods, deck lids, etc.

Operations include blanking from roll or sheet metal stock; progressive die forming or hydro forming, and trimming. Operations can also include pumping, metering and dispensing of adhesives, plus assembly and additional die forming and welding. Part materials include steel, galvanized steel, aluminum and plastic.

Often, items like doors consist of a thin panel with a second or third member bonded to form a single panel that is stiffer, more noise-resistant, more vibration-resistant, and more impact-resistant than the original panel. Bonding two thinner panels can also offer considerable weight savings over a single, thick panel.

In the stamping process, Graco equipment is used for:

- Anti-flutter processes
- Structural panel reinforcement
- Hem-flange bonding
- After-hem sealing