

02 | Automobile stamping parts

01. Features

Automotive stamping parts are crucial in car manufacturing. They provide structural and functional support, and are essential due to their efficient production and low cost.

02. Types and applications

Automotive stamping parts are used in various vehicle parts like the body, chassis, and engine. Different materials and processes are chosen based on specific needs.

- Body parts: such as the hood, door, and roof, require high accuracy and good surface quality for appearance and safety.
- Support and structural parts: like frame crossbeams and longitudinal beams, enhance the body's rigidity and stability.
- Engine and chassis parts: such as exhaust elbows and oil pans, are essential for the car's performance and safety.

03. Production process

The production of automotive stamping parts involves steps like positioning and pressing. Key factors for improving efficiency and quality include mold design, process parameter optimization, and production control.

- Mold design: A good mold structure, stamping process, and rebound compensation are essential for efficiency and quality.
- Process parameter optimization: Choosing the right pressure, speed, and holding time ensures the best stamping result.
- Production control: Controlling factors like the production environment, equipment maintenance, and operators ensures part quality.



Brake pressure plate



Motor bracket



Wire harness bracket



Connecting rod ball pin plug cover



Brake sleeve



Automobile oil pan



Bearing cover plate



Shell oil collecting plate



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