

APPLICATION SOLUTION: Auto Body Spot Welding



Product Family: Electric

Product Used: GSWA ServoWeld® Actuator

Product Type: Standard

Application Requirements:

Force: 1000 to 3000 lbf (4448 to 13,445 N)

10,000,000 welds

Application Description:

Resistance spot welding (RSW) chassis

Challenge:

An automotive plant was using a servo actuator with a reverse parallel style motor mount on their RSW chassis to perform spot welding. The actuator/chassis combination resulted in a large footprint and heavy overall weight. The customer wanted a lighter weight and smaller actuator/chassis combination.

Tolomatic Solution:

Tolomatic provided a GSWA44 ServoWeld® Actuator with an integrated servo motor, saving space with its smaller footprint and its lighter weight. The actuator also eliminated the need for belt and gear torque transmission.

Customer Benefit:

- Smaller, lighter weight actuator/chassis combination
- No maintenance of belts or gears
- Increased production from reduced downtime
- Faster cycle times from improved RSW chassis performance