



Electric Tooling Solution Integrating Gorbels G-Force® and Cynergy Ergonomics Tooling

Industry:
Automotive

Product:
Catalytic Converters

The Problem:
Unable to transmit power through
G-Force® suspension swivel

The Solution:
Custom high amperage slip ring



Full Electric Tooling Solutions For G-Force® Can Now Be Provided

This application requires gripping and lifting 90# catalytic converters from a conveyor and setting them into various sized cardboard cartons at floor level. After setting the parts into the cartons for release, the gripper jaws need to stop traveling as soon as they make contact with the sides of the box. In these



applications, electric actuators are used with force feedback logic to stop travel. Up to this point, the power required for electric actuator tooling could not be transmitted through the G-360 suspension swivel of the G-Force®.

Cynergy worked to develop a custom high amperage slip ring designed to adapt to the G-force® G-360 support swivel. This gives the tooling continuous 360° rotation capabilities. Full electric tooling solutions can now be provided in applications where pneumatic powered tooling is not practical or feasible.