

We serve Industrial Manufacturers by providing components and turnkey solutions related to assembly, quality, process, safety, material handling and ergonomics.

## Robust Pulse Tools for Robust Applications



**Challenge** - Heavy Truck and Off-Road manufacturers face the task of finding an ergonomic assembly tool with torque control; minimal torque reaction; low operational costs; and improved uptime.

**Solution** - Torque control hydraulic pulse tool. The ergonomic and torque control features of this tool configuration make this the best relative to low Total Acquisition Costs. The discontinuous drive feature applies torque in increments rather than one continuous effort; thus, eliminating torque reaction to the assembler.

A heavy truck manufacturer in the southeastern U.S. expressed concern with the robustness and durability of the hydraulic pulse tools they were using for high torque (90 to 330 ft/lb) applications. TorqTec introduced the DuPas TDIS Series Pistol Grip Hydraulic Pulse Tool.

**Result** - The DuPas TDIS Series exceeded their expectations. The robust external design of the housing coupled with the internal double sensing pulse mechanism provided the durability and lower maintenance intervals the truck manufacturer desired. Historically, their hydraulic pulse tools would require maintenance within 4-6 weeks of installation. The DuPas TDIS Series operated in production for 6+ months without failure / maintenance. Result - low operational costs and improved uptime. When the truck manufacturer elected to relocate the tools from the original application installations, the assemblers demanded that the tools not be moved as they preferred the enhanced power, efficiency and lower cycle time the DuPas Series offered. The TDIS Series proved to be a robust preferred solution.



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