

**APPLICATION PROFILE**  
**PNEUMATICS**

Automotive

Challenge: **PNEUMATIC LOCKING CYLINDER FOR ADJUSTABLE OPENING ANGLES**

Location: **AUTOMOTIVE PLANTS WORLDWIDE**

Flodraulic Group was been called upon by a major OEM in the Detroit market to help design and integrate a 160mm bore SMC locking cylinder into their Tech-Pivot Design.

The 160mm bore compliments the four current models of SMC locking and non-locking cylinders. The SMC cylinders are incorporated in the customer's unique Tech-Pivot design. The Tech-Pivots design offers a fully adjustable angle opening for tooling flexibility allowing the use of SMC's 80 bore and 100 bore locking and non-locking cylinders with weld resistant coil scrapers as a standard.

The Tech-Pivot provides multiple mounting and modular sizing options in the automotive welding environment. It is used as a transfer device to provide repetitive functions in industrial applications such as automation, tooling and robotics.

Flodraulic Group was a key partner throughout the design and engineering process. We also worked closely with the customer in developing a stocking plan to support substantial quantities of Tech-Pivots in varying sizes.



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**USA 800-545-5414** [info@flodraulicgroup.com](mailto:info@flodraulicgroup.com)  
**CAN 800-361-6209** [info@flodraulic.com](mailto:info@flodraulic.com)