

Development of small, low-cost TVC equipment with built-in controller

Implementing agency name

※Bold: Representative organization, Regular: Collaborative organization

SINFONIA TECHNOLOGY CO.,LTD.

Overview

Compact, low-cost TVC with a built-in controller (500W Max. output)

Miniaturization and cost reduction of controller

- 1)Application of automotive parts and commercial parts;
- 2)Optimized functionality; and
- 3)Simple interface.

Conformance evaluation of a new design process assurance method for using non-screening commercial parts

- 1)Incorporation of DO-254 process; and
- 2)DFMEA and Health monitoring technology.

Implementation period (planned)

※Varies depending on stage gate evaluation, etc.

April 2026 to January 2029 (3 years)

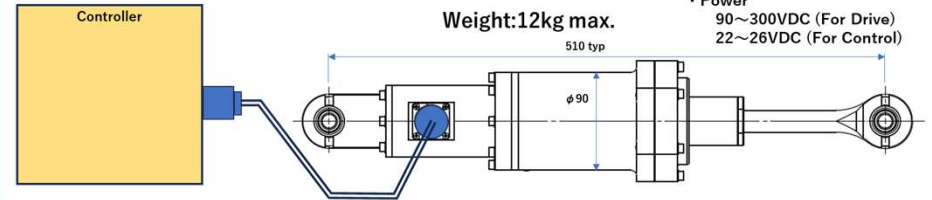
Point of Contact for international communication

E-mail : aero@sinfo-t.jp

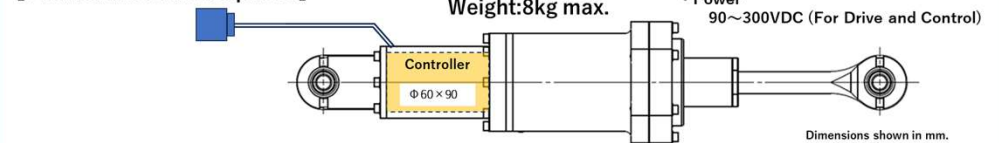
Features

- ①Cost and weight reduction through the integration of controller and actuator
- ②Simple electrical interface 【Single power input and isolated serial interface(RS485 or CAN)】
- ③Reduction of weight and radiated noise by reducing cable between controller and actuator

【Conventional product】

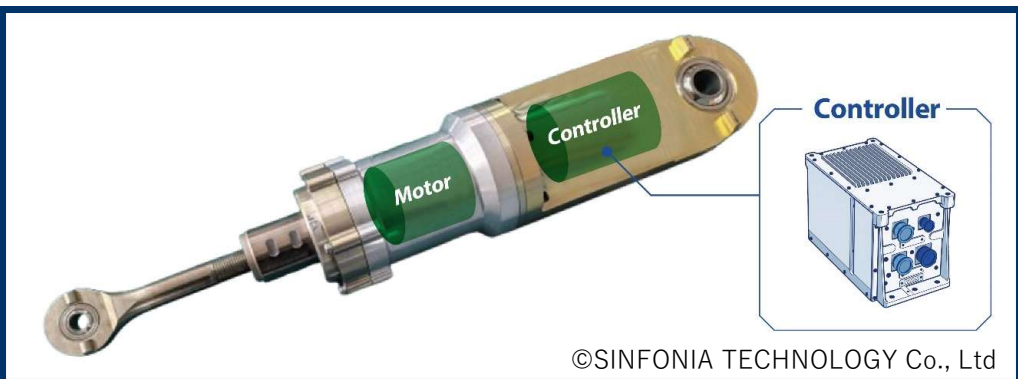


【Product under development】



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Features and main specifications



Product image