

## Operator Control Modules for Demanding Applications



Operator Control Module  
CAD Rendering



Operator Control Module  
used in a forestry  
application

OTTO engineers utilize an optimized product development process to develop CAN driven operator control modules that meet customer requirements for demanding applications. OTTO's control modules can include a variety of controls such as:

- Hall effect joysticks
- Hall effect and electromechanical toggles
- Hall effect and electromechanical rockers
- Hall effect and electromechanical pushbuttons
- Indicator lights
- Backlit keypads

The advancement of CAN technology has facilitated the creation of components that are environmentally and electronically robust enough to handle the rigors of:

- construction
- mining
- agriculture
- forestry

The plug and play CAN environment allows OTTO to provide a value added service when developing new interfaces by providing a component that will plug in at the node in the CAN system that the OEM requires. All messaging, error handling and prioritization hierarchy is specified, guaranteeing that the unit will work as soon as it is plugged into the network.

With OTTO's rapid product development infrastructure in place, the engineers work on the components and interfaces while the machine shop provides rapid prototypes of the conceptual product. This prototyping capability provides production-grade thermoplastic models from CAD designs that are accurate and repeatable, providing the customer with the ability to refine the ergonomics and design requirements and produce multiple prototypes prior to spending valuable time and money on standard tooling.

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