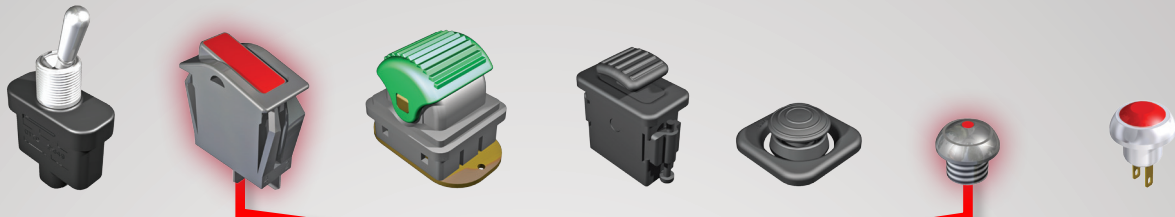


PRODUCT VARIATIONS



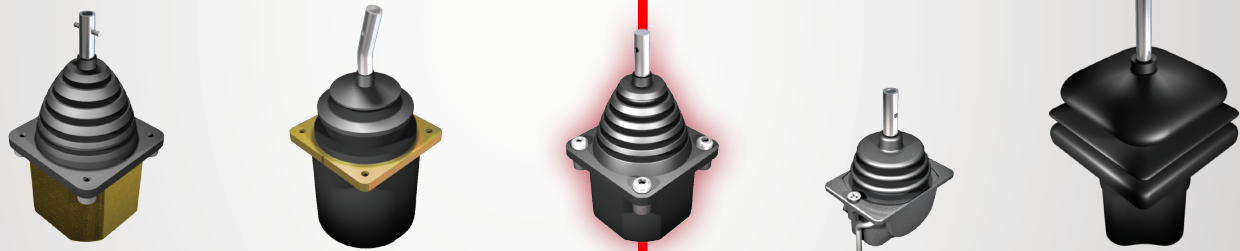
CONTROLS



HANDLES



BASES



Dual Axis
Hall Effect

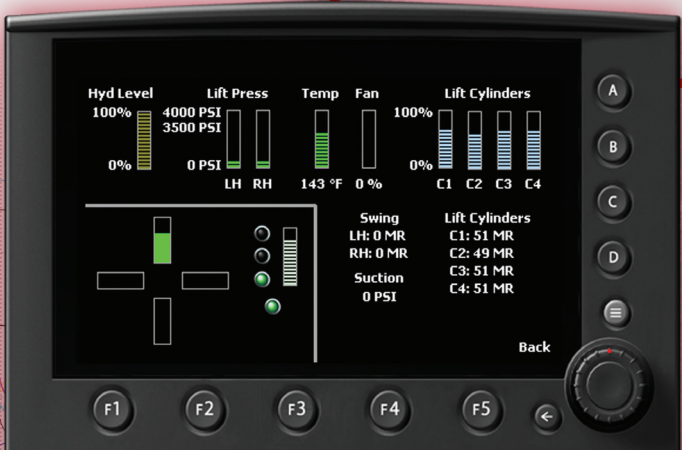
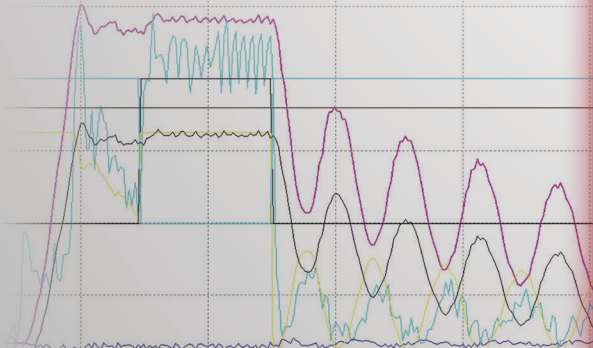
Dual Axis Analog
(bent shaft)

Dual Axis
CAN-J1939

Single Axis
Hall Effect

Dual Axis
CAN-OPEN/J1939

PROGRAMMING



CUSTOM HANDLES & JOYSTICKS

- Programmable

Rugged

Diverse Choice of Approved Controls
- Application Specific

 - Bases
 - Handles
 - Controls



FLEXIBLE DESIGN

GS Global Resources brings many years of design experience and proven product solutions to help you customize the look and feel of your machine. Utilizing our 3D design tools and rapid handle prototyping capabilities, we can quickly turn your idea into reality. GS Global Resources has the ability to configure a combination of bases, handles and controls to suit your application.

BASES

GS Global Resources has certified multiple joystick bases from several manufacturers with different electrical designs and mechanical capabilities providing the X, Y and Z-axis motion of the joystick.

BASE CONTROLS

- J1939, CAN Open
- Hall Effect - Dual Redundant
- Potentiometric
- Pulse Width Modulation
- Directional Switches

MOTION CONTROLS

- Single Axis
- Dual Axis
- Triple Axis
- Friction lock
- Spring return to center

MECHANICAL/DURABILITY

- Operating Life: 10,000,000+ cycles
- Environmental Protection: IP-65 to IP-67
- Operating Temperature: -40°C to +85°C
- Storage Temperature: -55°C to +105°C

Connectors are dependent on the joystick base selected.

AVAILABLE FEATURES

- Z-Axis Twist up to $\pm 30^\circ$
- Tactile Feedback (Thumper)
- Custom Software
- Custom Graphics

Thumper

HANDLE CONTROLS

Having the most important functions at your fingertips allows for smooth and coordinated total machine control. GS Global Resources has validated many supplier's controls which we mix-and-match in the handle to optimize performance. Correct component selection is critical for environmental concerns, ergonomics, and overall productivity.

- Proportional Rockers
- Dual Axis Thumbsticks
- Proportional Sliders
- Push Buttons
- Toggles
- Indicators
- Triggers



HANDLES

GS Global Resources understands that handles are the primary Human Machine Interface. We have implemented a wide variety of handle solutions based upon approved products from multiple suppliers. GS Global Resources has also designed and manufactured custom handles to meet specific customer needs.



CUSTOMIZATION

PROGRAMMABILITY

GS Global Resources has extensive experience in CAN programming to integrate the joystick with control systems. All handle controls can be wired and programmed into the CAN joystick base resulting in a single CAN node. Joystick programming provides precise machine movement using function ramping, pulse width modulation and feedback.

CUSTOM WIRING

Handle controls can be wired through the joystick or separate from the base with its own cable and custom connector.