



INDUSTRIAL

JOYSTICKS & CUSTOM CONTROL SOLUTIONS





NO MATTER WHAT AXIS
WE HAVE YOU COVERED

ENGINEERING SUPPORT THAT GOES THE EXTRA STEP

We go far beyond simply supplying controllers and chair systems for your machinery. Our engineering and design teams will work closely with you from concept through installation, thus becoming an extension of your development staff. With manufacturing, engineering and service based in the U.S., we are only a phone call away to provide support throughout the life of your equipment and operation.

A DEDICATION TO QUALITY & RELIABILITY

Whether your duty cycle is high or your operators are heavy-handed, J.R. Merritt's extensive range of control solutions are hand-crafted and tested to withstand the harshest conditions and use. A stringent focus on quality control in our U.S.-based manufacturing facility ensures the utmost accuracy and quality of all our joysticks.

FULLY CUSTOMIZED SOLUTIONS

Every controller we build is as unique as its application and operator. From the handle to the output technology, we partner with our customers to identify and engineer the controls that will meet and exceed the needs of their application. When choosing to work with us, consider our engineers and technical staff an extension of your own team.



HEAVY DUTY JOYSTICK CONTROLLERS

FEATURES & OPTIONS

- Single or multi-axis
- Non-contacting and contacting technologies
- Maintained, stepped, spring-return, or friction-held handle action
- Drop-in or panel-mounted controllers
- And more

APPLICATIONS

- Mills, Foundries, & Plants
- Ports
- Mining & Drilling Equipment
- Marine
- Cranes
- Agricultural
- Forestry



FULLY CONFIGURABLE FROM THE HANDLE TO THE OUTPUT TECHNOLOGY



HIGH-RESOLUTION, SINGLE & MULTI-AXIS PRECISION CONTROLS

VNSO | MULTI AXIS



- Panel mounted
- High duty cycle applications
- Step, stepless or friction brake
- Supports multiple handle functions & output devices

NNSO | MULTI AXIS



- Large-diameter operating shaft
- Panel or drop-in mounting
- Step, stepless or friction brake
- Supports multiple handle functions & output devices

NS3 | MULTI AXIS



- Drop-in mounting
- Step, stepless for PROFIBUS and CAN bus
- Supports multiple handle functions & output devices

VCSO | MULTI AXIS



- Compact, panel mounted
- Step, stepless or friction brake
- Supports multiple handle functions & output devices

CS1 | MULTI AXIS



- Ultra-compact, panel mounted
- Step, stepless or friction brake
- Supports multiple handle functions & output devices

PRO4 | SINGLE AXIS



- Compact, panel mounted
- Step, stepless or friction brake
- Supports multiple handle functions & output devices

HIGH RESOLUTION JOYSTICKS

FEATURES & OPTIONS

- Single or multi-axis
- Non-contacting and contacting technologies
- Spring return, maintained, or friction held
- Drop-in or panel-mounted design
- Supports multiple output devices
- Provides finer control of movement and speed

APPLICATIONS

- Mills, Foundries, & Plants
- Ports
- Mining & Drilling Equipment
- Marine
- Cranes
- Agricultural
- Forestry



FULLY CONFIGURABLE FROM THE
HANDLE TO THE OUTPUT TECHNOLOGY



ENVIRONMENTAL PROTECTION
UP TO NEMA 4 / IP66*

*Does not apply to all joystick models.

VNS2 | MULTI AXIS



- Mill-duty, single or multi-axis controller
- Panel mounted
- Step, stepless control or friction brake
- AC or DC contacts

NS2-KA | SINGLE AXIS



- Mill-duty sealed cast controller
- Panel mounted
- Step, stepless control or friction brake
- AC or DC contacts
- Different-width castings

NSO-SFA | SINGLE AXIS



- Mill-duty sealed cast controller
- Compact, panel mounted
- Step, stepless control or friction brake
- AC or DC contacts

NS2-O | ROTARY



- Mill-duty rotary master switch
- Panel mounted
- Step or stepless control
- Maintained or spring return
- AC or DC contacts

VNSO | SINGLE OR DUAL AXIS



- Panel mounted
- High duty cycle applications
- Step, stepless or friction brake
- Supports multiple output devices

FP1 | FOOT PEDAL



- Heavy duty
- Step or stepless control

PURPOSE BUILT JOYSTICK HANDLES

FEATURES & OPTIONS

- Push buttons
- Rocker switches
- Twist handle
- Thumbwheel
- Mechanical interlock
- Deadman functions
- Mini joysticks
- Proportional triggers



CONFIGURABLE WITH A RANGE
OF BUTTONS AND ROCKER SWITCHES



**CAPABLE OF TWIST AND VARIOUS
DEADMAN FUNCTIONS**

BH



MG27



MG1



RHS



MG2



FG-3



MG9 / MG25



FG-4



MG13



FG-5



TH20



FG-6



PRODUCTIVITY DRIVEN OPERATOR CHAIR SYSTEMS

FEATURES & OPTIONS

- Full range of seat and console adjustability
- Rotating or fixed base
- Motorized rotate adjustments on request
- Mechanical or pneumatic suspension
- Velour, vinyl, or leather seat upholstery
- Custom-designed footrests and monitor arm supports
- Adjustable armrests



MERRITT SELECT™

The standard in cab-operated equipment, MERRITT SELECT operator chair systems offer rugged construction with a field-proven design. Available in rotating and fixed models. Integrated consoles are mounted on the manually adjusted seat suspension for operator flexibility and comfort.

FSA/FSAD and LFC/LRC Models



MERRITT ULTRA™

The MERRITT ULTRA offers the most rugged construction on a rotating base. Its manually adjusted seat features individual slides for optimal operator positioning. Extended depth consoles are mounted to the base, providing additional space for larger controls and devices. Optional console shapes and adjustability available.

SV1C Models



MERRITT MATIC™

MERRITT MATIC provides the operator with effortless, fully motorized adjustments. Complete system rotation and individual console height adjustments easily transform the system from a sitting to a standing operating position.

FSMMD and FSMMDER Models



MERRITT SYNERGY™

MERRITT SYNERGY armchair systems take control and productivity to new heights. Operators benefit from the ultimate in comfort with advanced gas shock assist adjustability and a proven, rugged design.

FSRHDG Models

OPERATOR RAIL EQUIPMENT

FEATURES & OPTIONS

- Rugged high duty cycle construction
- Light weight
- Multiple device configurations
- Made to order



PORTABLE & REMOTE OPERATOR CONSOLES

FEATURES & OPTIONS

- Joysticks and pilot devices configured to your requirements
- NEMA 4 - IP54 weatherproof sealing
- Breast plate with simple harness offers comfort and stability for extended work periods.*



* Breast plate not offered with FGP-02



FBS | DRIVE
BRAKE CONTROLLER



DB-VNSO | DRIVE
BRAKE CONTROLLER



FGC-01-A | CONTROL CONSOLE



FGC-03 | CONTROL CONSOLE



FGP-02 | PENDANT CONTROL

OUTPUT DEVICES



OEL8G-K | 8 BIT ENCODER



POTENTIOMETERS



DGO | ROTARY INDUCTIVE
TRANSFORMER



ESS 030 | AC/DC CONVERTER



BUS INTERFACES | PROFIBUS
AND CANBUS



ESS420 | 4-20mA
TRANSMITTER



TAKE CONTROL OF YOUR PRODUCTIVITY

Multiple function grips can be incorporated with a variety of J.R. Merritt's joysticks to deliver the functionality and productivity your equipment demands.

Putting functionality at the operator's fingertips provides benefits in efficiency, space and design. We provide standard and custom multi-function grips to personalize your equipment.



WANT MORE INFORMATION?



VISIT **JRMERRITT.COM**

- PRODUCT DETAILS & DRAWINGS
- SPARE PARTS & INSTALLATION INSTRUCTIONS
- NEW PRODUCTS & COMPANY NEWS

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