Reachstackers
Electronic Controls Division

aerospace
climate control
electromechanical filtration
fluid & gas handling
**hydraulics**
pneumatics
process control
sealing & shielding

ENGINEERING YOUR SUCCESS.
Electronic controls and solutions for reachstackers

Parker – an experienced partner at your service

Market Knowledge and Solutions
Parker’s commitment to the reachstacker industry is clearly demonstrated by the products, the solutions, and the customer service provided. Parker has successfully integrated products that address the needs of reachstackers for over 30 years. Innovative products like control systems monitoring COG and LMI (Load Moment Indicators) are just a few examples adding value to the customers.

Value in Use
Parker has dedicated teams of specialists working globally to design systems, sub-systems and solutions to meet the most demanding requirements. Among the many immediate value adding benefits realized are; increased productivity, reduced production time, reduced fuel consumption and emissions, and reduced down time.

Certified Electronics
Parker offers comprehensive control systems specifically designed for the mobile industry, fulfilling the latest standards for safety and environmental protection. User-friendly application software tools are used to build up the complete system. The modules communicate via CAN bus, allowing different gateways to other systems. All of Parker’s extensive knowledge and experience in motion control on mobile units is built in, providing optimum control and flexibility as well as on-board and remote diagnostics capabilities.

VMM3120 control module with CAN provides high I/O count for spreaderbar functionality. The integrated CAN ports allow for reduced wiring down the boom, for lower installation costs, and reduced wire harness costs.

DPE70 7” full color display with CAN provides a clear interface for the operator to see the status of the boom, LMI system, engine and hydraulics operation, as well as error messages.

The MC3 controller with CAN is designed for mobile hydraulic machinery with analog and digital inputs and outputs in accordance with IEC 61508, and can be used to implement safety functions of up to SIL2.

FP2000 and FP3000 ferrous proximity switches detect spreader bar position to assist in rapid change over from 20 to 40 foot containers.

RS70 dual output rotary position sensor, with redundant signals for added safety, measures boom angle for load moment indication (LMI).

XA2 expansion module with CAN offers current regulated outputs for precise electro-hydraulic control and CAN interface for reduced wiring costs.

RM50 tamper resistant tilt switch indicates hood or access panel position to lock out functions for safer machine maintenance.

LC5 CAN based joysticks for smooth and efficient operator control.

Compact linear lever LST offers smooth auxiliary control function with a small footprint on the operator console.
When rotating the container or lifting the boom with the container in a rotated position; there is some risk of damage to the boom or container. Adding a rotary sensor in the spreader slew ring will avoid any interference.

Control System, Summary
- Remote diagnostics
- Simple fault finding
- Logging functions
- Variable geometry configurations
- Smart lifting
- Quieter operation
- Cylinder end damping
- Reduced power consumption
- Limp home functions
- Load dependent ramps
- Simplified controls
- Modular system architecture

Horsepower Control
- Engine RPM
- Hydraulic pressure

Load Moment Indication/Weighing Sensors
- Length sensor
- Angle sensor
- Pressure sensor
Engineering Your Success
With intelligent and innovative solutions.

Whether for off-highway equipment or over the road truck and bus applications, Parker’s Electronic Controls Division offers full system solutions and products to fit your needs. With worldwide engineering and manufacturing capabilities, the Electronic Controls Division has the experience, skills, and capabilities to provide solutions for virtually any mobile electronic application.

If you would like to discuss your mobile electronics applications, and how Parker’s Electronic Controls Division can offer you a competitive advantage, please feel free to contact us.