



Aerial Work Platforms

Components & Sub-System
Solutions for Commercial Vehicles



Why Choose Curtiss-Wright?

Extensive Experience

Curtiss-Wright Industrial Division has established a leading position in the Aerial Work Platform market by being highly responsive to specific customer requirements. This diverse application knowledge base includes:

- Vertical Mast Lifts
- Indoor Scissor-Lifts
- Outdoor Rough-Terrain Scissor Lifts
- Articulating Booms
- Telescopic Booms

Innovative Products

We supply a broad portfolio of robust, AWP-targeted products at cost-effective pricing, which benefit from high-volume economics of scale, aiding supplier and customer alike. Using our applications engineering expertise in conjunction with your development teams, we enable a free flow of ideas to provide the most innovative and reliable product solutions for each application.

Reliable Partner

By choosing Curtiss-Wright, you will be partnering with an organization that has consistently built long-term relationships with many of the industry's leading OEMs. Whether customizing an existing product to better suit the application, or creating completely new concepts to address your unique specifications, our global team of engineers are ready for the challenge.

Our experts will partner with your team to exceed expectations and deliver industry-leading solutions, maximizing your success in this competitive global market.

Global Support

Curtiss-Wright Industrial Division has a global footprint, with design and manufacturing in the USA, the United Kingdom, China and India. This is backed by our own sales and technical support teams in over 45 other countries, ensuring exceptional levels of efficiency, quality and on-time delivery.

Joysticks

A wide range of joysticks and grips with features and functionality designed specifically for MEWP control.



- Single- and Dual-axis Joysticks
- Fingertip Joysticks
- MEWP Grip
- Proportional Rockers
- Switched Rockers
- Operator Present Control

Sensors

Sensors to provide measurement of tilt angle, scissor height, boom angle and steering angle.



- Chassis & Platform Tilt Sensors
- Rotary Sensors (no-contact)
- Rotary Sensors (shaft)

Human-Machine Interface Consoles

Standard and custom HMIC solutions.



- Platform Control
- Ground Control
- User Display

Motor Controllers

Motor controllers for traction and lift control.



- AC & DC Motor Control
- Dual-channel DC Motor Control
- AC Motor Control
- DC Motor Control

Component and System Solutions

Curtiss-Wright Industrial Division offers a product portfolio that addresses the electrical system requirements of Mobile Elevating Work Platforms (MEWPs), including joysticks, sensors and motor controllers. These products, many of which are off-the-shelf, have been designed to provide the optimal combination of performance and cost that the AWP industry demands; while CANbus options of both CANopen and J1939 ensure simple and reliable interconnection. In addition to a comprehensive standard range, bespoke solutions can be provided to meet customers' exact requirements. Sourcing a package of components from one supplier ensures compatibility across an entire system, as well as offering significant, logistical benefits to an OEM's supply chain.

Curtiss-Wright's capabilities extend way beyond component supply, to custom Human-Machine Interface Consoles (HMIC) for all aspects of MEWP control. Dedicated teams of applications specialists and design engineers are at hand to work closely with machine OEMs, in order to provide attractive, functional and reliable system solutions.

It is well understood that safety is the primary concern in the operation of MEWPs and that international legislation is evolving to ensure the highest standards are achieved. Curtiss-Wright Industrial Division is well-versed in global safety legislation, with products designed to meet the MEWP-relevant performance levels from EN ISO 13849, which is now referenced by EN 280 and ANSI A92.20. Dual-redundant architectures are used where necessary including dual microprocessors in motor controllers, while $MTTF_D$ data is available for all products.



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