BLUE GIANT®

ERGONOMIC LIFT ASSIST SOLUTIONS



ZERO-GRAVITY LIFTING.
PRECISE POSITIONING. SAFER WORKPLACES.

CORMAC INDUSTRIAL
A BLUE GIANT COMPANY



Our ergonomic material handling solutions are designed around your operation, combining the equipment and technology needed to reduce operator effort, improve ergonomics, and increase productivity. Solutions include:

- **Air Balancers**
- **Bridge Crane Systems**
- **EZ Float Handle**
- **Jib Cranes**
- **Lift Assist Manipulators**

WHY CHOOSE OUR ERGONOMIC LIFT ASSIST SOLUTIONS

With decades of experience designing and installing ergonomic lifting solutions, we help manufacturers improve workplace safety, productivity, and material handling efficiency.

- Custom-engineered solutions for unique applications
- Integration with existing lifting systems
- Proven performance in demanding industrial environments
- Expert support from design through installation

ERGONOMIC LIFT ASSIST SOLUTIONS

AIR BALANCERS



Pneumatic lifting technology that makes heavy loads feel virtually weightless while providing smooth, controlled positioning. Depending on the application and available space, Air Balancers can be mounted on Jib Cranes or Bridge Cranes for flexible, ergonomic material handling and precise load positioning.

KEY BENEFITS

- True zero-gravity load control
- Precise positioning of heavy or delicate components
- Reduced operator strain and fatigue
- Improved productivity and workplace ergonomics
- Pneumatic operation requires no electrical power at the lifting device, saving energy consumption
- Compatible with hooks, mechanical grippers, vacuum tooling, magnets, and custom-engineered manipulators

FEATURES

- Hand-guided or push-button operation
- 20 in (508 mm) float range for flexible load positioning
- Adjustable up/down speeds
- 100 PSI operating pressure (90 PSI minimum)
- Centrifugal safety brakes
- Lubrication-free operation for low maintenance



RECOMMENDED APPLICATIONS

- Automotive and assembly lines
- Machine tool loading and unloading
- Packaging and palletizing
- Fragile component handling
- Repetitive pick-and-place operations
- Component assembly and positioning

ERGONOMIC LIFT ASSIST SOLUTIONS

AVAILABLE MODELS

AIR BALANCER - BASIC

- **Capacity:** 150 lb (68 kg), 350 lb (159 kg), and 500 lb (227 kg)
- **Vertical Travel:** 78 in (2,000 mm)





AIR BALANCER - REEVED

- **Capacity:** 700 lb (316 kg) capacity
- **Vertical Travel:** 39 in (1,000 mm)



AIR BALANCER - TANDEM

- **Capacity:** 700 lb (316 kg)
- **Vertical Travel:** 78 in (2,000 mm)



AIR BALANCER - TANDEM REEVED

- **Capacity:** 1,400 lb (632 kg)
- **Vertical Travel:** 39 in (1,000 mm)



EZ FLOAT HANDLE

Intuitive sensing control that allows operators to guide loads naturally with minimal effort. Can be integrated with Air Balancers and Pneumatic Hoists.

KEY BENEFITS

- One-handed operation
- Precise load positioning
- Reduced operator fatigue
- Seamless integration with ergonomic lifting solutions

ERGONOMIC LIFT ASSIST SOLUTIONS

BRIDGE CRANE SYSTEMS



Smooth, effortless load movement across the entire workstation area. Engineered for full-area coverage and precise two-axis positioning, Bridge Crane Systems allow operators to move loads naturally and accurately with minimal effort throughout a wide range of production environments.

KEY BENEFITS

- Multi-directional workstation coverage
- Supports loads up to 2,000 lb (907 kg)
- Designed for Air Balancers, trolleys, and lift-assist devices
- Reduces operator effort and fatigue
- Freestanding or ceiling-mounted configurations

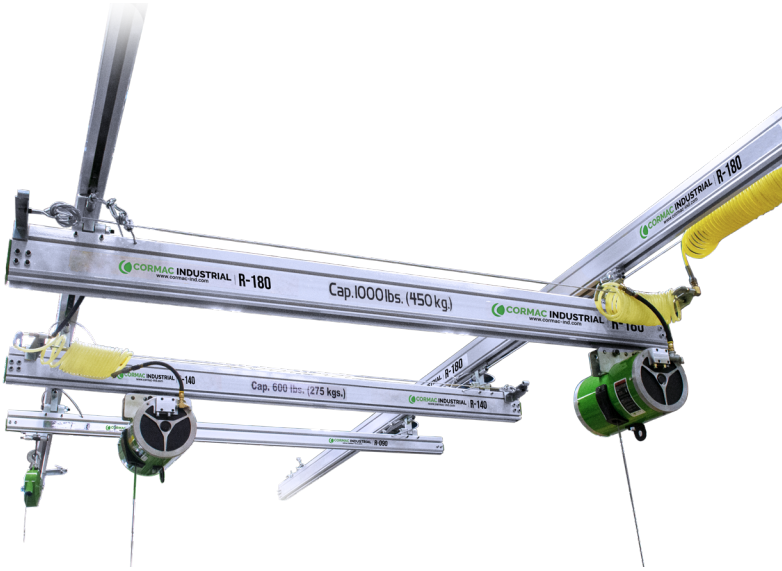
FEATURES

- Lightweight aluminum rail construction
- Low rolling resistance for easy movement
- Smooth, quiet operation
- Modular design with integrated T-slots
- Corrosion-resistant natural aluminum finish

Only 1% of total load weight required to initiate movement.

RECOMMENDED APPLICATIONS

- Assembly stations and multi-station production areas
- Machine loading and unloading
- Welding cells
- Packaging and palletizing
- Warehousing and material transfer



ERGONOMIC LIFT ASSIST SOLUTIONS

JIB CRANES



Ergonomic workstation lifting solutions where overhead rail systems are not practical or accessible.

KEY BENEFITS

- Improves workstation ergonomics and operator efficiency
- Reduces lifting effort and repetitive strain
- Provides precise load positioning within compact work areas
- Supports a wide range of tools and lifting devices
- Flexible configurations for different workspace requirements

FEATURES

- Load capacities up to 2,000 lbs (907 kg)
- Available with 220° or 360° rotation
- Available spans/reach from 4 ft to 20 ft (1.22 m to 6.10 m)
- Compatible with Air Balancers, EZ Float Handle, and custom tooling



RECOMMENDED APPLICATIONS

- Assembly and production lines
- Machine loading and CNC tending
- Ergonomic tool support
- Packaging and material handling
- Inspection and precision operations
- Welding and fabrication cells

ERGONOMIC LIFT ASSIST SOLUTIONS

AVAILABLE MODELS

STANDARD JIB CRANE

An ideal lifting solution where an overhead rail system is not practical or accessible. The rotating boom provides smooth, precise load movement while helping reduce operator effort and improve productivity.

- Flexible rotation limits for different work areas
- Height under boom up to 12 ft (3.65m)
- Optional integrated air supply kit





JIB TOOL

A compact, bench- or table-mounted solution for keeping tools accessible and properly positioned without requiring dedicated floor space. Designed to reduce the need for operators to continuously support tool or equipment weight.

- Supports pneumatic, electric, and manual tools
- Frees operators from supporting tool/dead weight

ARTICULATED JIB CRANE

Combines the lifting capabilities of an Air Balancer with the flexibility of a multi-joint arm, making it ideal for complex work zones with obstacles, machinery, or restricted access. Available with zero-gravity and push-button operation for precise, low-effort load positioning.

- Up to 350 lb (159 kg) capacity
- Horizontal reach up to 10 ft (3.05 m)
- Up to 360° primary and 270° secondary rotation
- Lubrication-free bearings for low maintenance



ERGONOMIC LIFT ASSIST SOLUTIONS

LIFT ASSIST MANIPULATORS



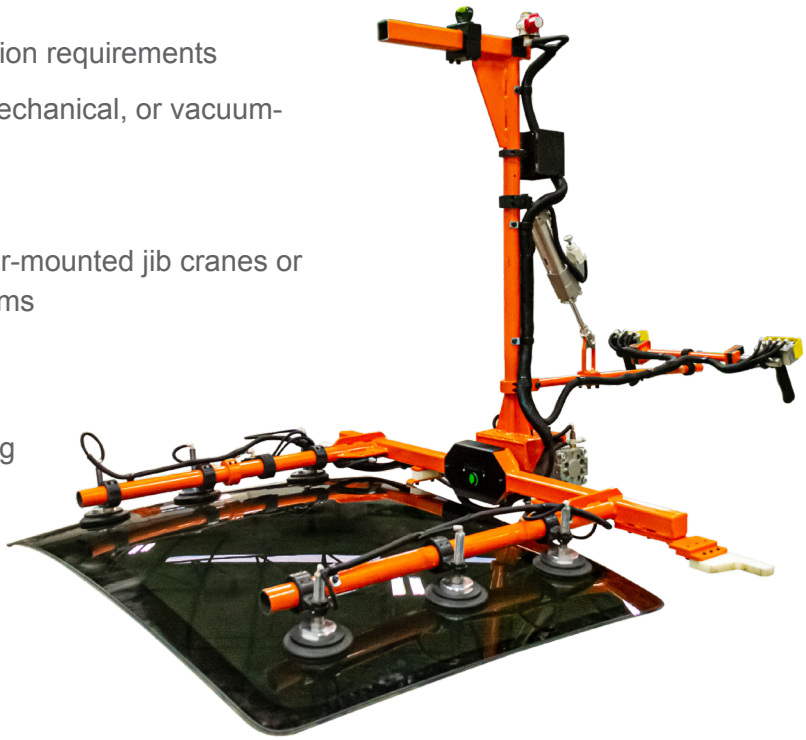
Custom-engineered lift assist manipulators allow operators to lift, rotate, and position heavy, oversized, or delicate components with minimal effort.

KEY BENEFITS

- Reduce material handling effort
- Help improve operator safety and comfort
- Support increased productivity and throughput
- Improve consistency and repeatability in load positioning
- Handle heavy, awkward, or delicate components with confidence
- Ideal for complex handling applications where conventional overhead cranes or hoists fall short

FEATURES

- Custom-engineered based on specific application requirements
- Systems can be configured with pneumatic, mechanical, or vacuum-assisted gripping technologies
- Precision lifting, rotating, and positioning
- Paired with Air Balancers, and installed on floor-mounted jib cranes or suspended from overhead Bridge Crane systems



RECOMMENDED APPLICATIONS

- Metal fabrication and automotive manufacturing
- Appliance production
- Machine loading and unloading
- General assembly operations
- Handling finished components

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Blue Giant offers a full line of dock levellers, dock safety equipment, seals and shelters, accessories, ergonomic and scissor lift equipment and industrial trucks. Concurrent with our continuing product improvement program, specifications are subject to change without notice. Please contact Blue Giant for latest information. Some features illustrated may be optional in certain market areas.

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