BLUE GIANT®

LIFT ASSIST MANIPULATORS



CUSTOM-ENGINEERED MANIPULATORS BUILT AROUND YOUR PROCESS, YOUR LOADS, AND YOUR OPERATORS.

CORMAC INDUSTRIAL
A BLUE GIANT COMPANY

PRECISION HANDLING WITH MINIMAL EFFORT



Often integrated with our pneumatic air balancers, Lift Assist Manipulators function as a seamless extension of the operator's arms, allowing heavy, oversized, or awkwardly shaped components to be handled with minimal effort while maintaining smooth, natural motion and precise operator control.

PRODUCT HIGHLIGHTS

- **Custom Engineered:** Designed for your application, load characteristics, and workspace.
- **Precision Control:** Lift, lower, rotate, tilt, and position loads with exceptional accuracy according to the application.
- **Improved Ergonomics:** Helps reduce operator effort, fatigue, and repetitive strain.
- **Delicate Load Handling:** Precisely handle fragile components, including glass and molded parts.
- **Integrated Mounting Options:** Paired with pneumatic Air Balancers and installed on floor-mounted jib cranes or suspended from overhead bridge crane systems.

LIFT ASSIST MANIPULATORS



ENGINEERED FOR YOUR APPLICATION

Every Lift Assist Manipulator is engineered around the specific load, process, operator, and workstation or production line. By designing each solution around your load, workflow, and existing lifting equipment, we help improve operator safety, productivity, and handling consistency. Systems can be configured with pneumatic, mechanical, or vacuum-assisted gripping technologies and either articulated or rigid arm configurations to accommodate a wide range of complex material-handling applications.

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

LIFT ASSIST MANIPULATORS

BUILT FOR PERFORMANCE

Unlike conventional lifting equipment, Lift Assist Manipulators can be engineered to control a part's orientation, rotation, reach, and positioning throughout the handling process, reducing operator effort and simplifying complex movements.

RECOMMENDED APPLICATIONS

- Machine loading and unloading
- Automotive manufacturing
- Appliance production
- Metal fabrication
- Loading racks, pallets, and containers
- Handling finished components
- Repetitive ergonomic lifting

WHY CHOOSE OUR LIFT ASSIST MANIPULATORS

- Custom-engineered solutions tailored to your application
- Seamless integration with existing lifting equipment
- Reliable, durable systems built for demanding industrial environments
- Expert application guidance from concept through installation
- Ergonomic solutions that improve safety and operator performance

YOUR APPLICATION. OUR ENGINEERING.

We engineer solutions around your specific application and load-handling requirements. Key considerations include:

- Load weight and dimensions
- Pick and place locations
- Required rotation or orientation
- Cycle frequency
- Available workspace
- Preferred gripping surfaces
- Photos or video of the current process
- Part drawings or 3D models

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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.

If calling within North America: t 1.800.872.2583 f 1.888.378.5781

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