



DESIGNING AND MANUFACTURING CUSTOM BLENDING, LIFTING AND MATERIAL HANDLING EQUIPMENT



Our manufacturing facility is designed to meet and exceed the increasing demand for CDM's line of Stainless Steel process equipment. CDM equipment is Engineered, Fabricated and Assembled here in the United States at our Rock Tavern, NY facility.

“Setting the new powder blender standard with improved style, safety and functionality.”

CDM continues to provide expertise in the Powder Blending and Process Solutions, Equipment Integration, Flexible Blending, Loading and Unloading Operations, Liquid/Solids High Speed Mixing Bars, Disposable Blending, Scalability and High Containment Connections.

- Advice and Planning
- Engineering
- Custom Equipment
- Integration
- Blending
- Lift and Inverting
- Clamping
- Material Handling
- Scale-Up
- Programming
- Adaptors
- High Containment

Please call for quotes and consultation



Creative Design & Machine, Inc
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www.cdmlift.com



DESIGNING AND MANUFACTURING
CUSTOM BLENDING, LIFTING AND
MATERIAL HANDLING EQUIPMENT



With clients and installations all over the world, CDM is largely recognized as the premier innovator of Powder Blending and Handling

Equipment. Your projects and problems are our opportunity. We support all phases from concept to completion.

“Responsive and timely technical support assures that we are there as you require.”

Just some of the features, options and advantages we offer in our equipment are contained within this catalog. A more detailed explanation on how CDM can assist your company can be given by simply contacting us. We look forward to serving your firm in the near future.

“We supply solutions and support to your project challenges.”

- Traditional Blending..... p 1
- Flexible Blending p 2
- Post Blending p 3
- Lab Blending p 4
- Development Blending... p 5
- Pedestal Blending p 6
- Disposable Blending p 7
- Bin Lift p 8
- Drum Lift p 9
- Platform Lift p 10
- Bag Lift p 11
- Bowl Lift p 12
- Portable Lift..... p 13



Traditional BLENDING

THE TRADITIONAL DUAL MOUNTED TUMBLE BLENDER IS A TIME PROVEN EFFECTIVE BLENDING SYSTEM.



PLC Controlled with a touch-screen operator interface. Controls manipulate the blending vessel for charging, blending and discharge. All standard blending geometries and sizes available; v-shell, double cone, slant cone and bin.

“Setting the new powder blender standard with improved style, safety and functionality.”

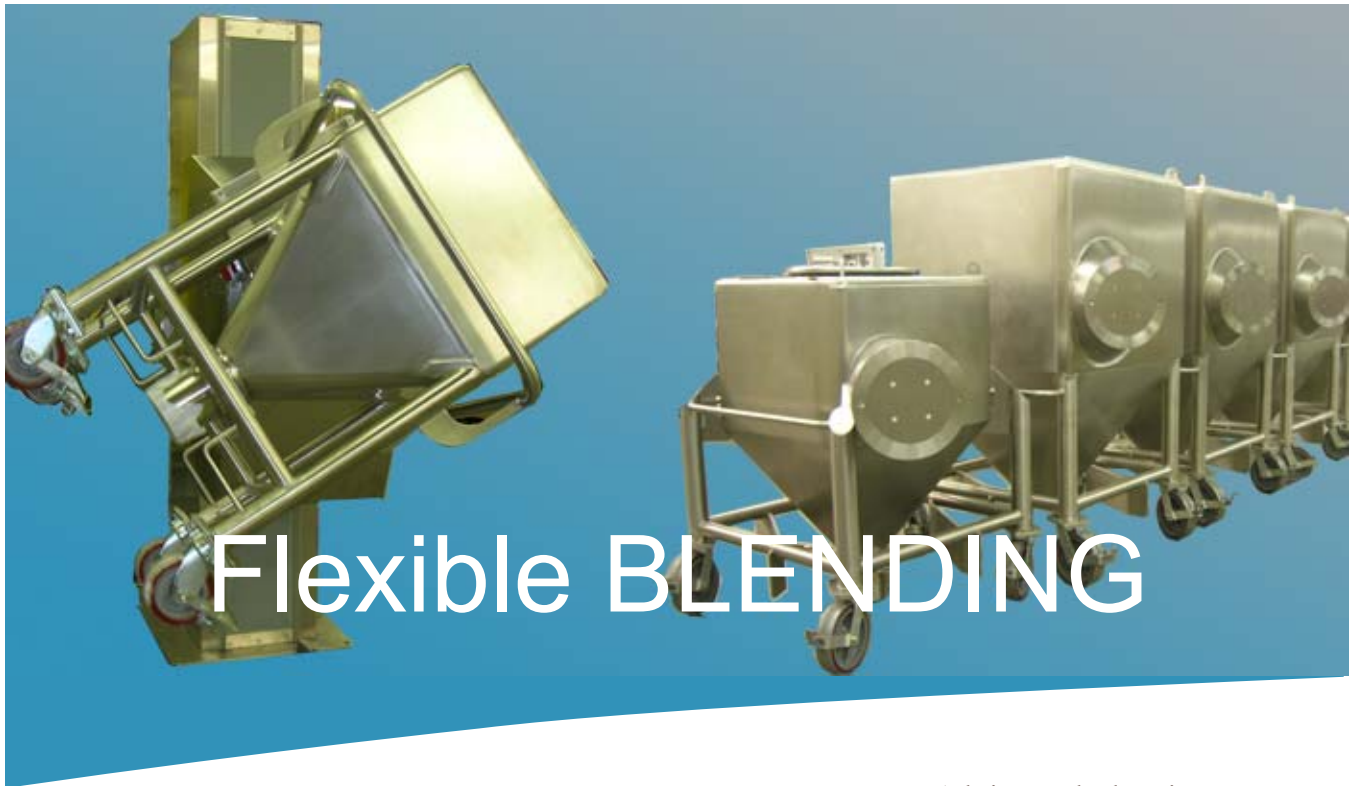
CDM supplied sanitary post lift can manipulate IBC's and drums for a contained, clean and reliable loading system. Interconnected with blender controls, this style of automation reduces operator OEL's and reduces common operator errors.

- Flexible Blending
- Fully Automated
- Advanced Controls
- Data Analysis
- Software Integration
- High Speed Bar
- NIR
- RFID
- High Containment
- Liquid Introduction
- Security Tiers
- WebEx Capable

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Flexible BLENDING

BLENDING MULTIPLE SIZE AND SHAPED VESSELS FROM SINGLE DRIVE STATION



CDM Flexible Blending Systems (FBS) is a multi-blending vessel system that can accommodate Bins, V-Shells, Double-Cones, Slant Cones and much more. The design can be adapted and applied to new and existing blending vessels.

“Setting the new powder blender standard with improved style, safety and functionality.”

CDM’s through-wall mounting feature optimizes facility space reducing the overall footprint of the blender within the Clean Process Room. Front cGMP slot cover is sealed with our patented design that forms a watertight seal as the carriage moves up & down column.

“CDM supplied Blenders designed for applications requiring highly contained connections such as using SBV.”

Please call for a quotes and consultation **▶▶▶**

- Advice and Planning
- Flexible Blending
- Custom Bin Blending
- High Speed I-Bar
- Liquid Feed
- Equipment Integration
- Recipe Driven
- RFID
- NIR Compatible
- Batch Recording
- Equipment Integration
- CIP Available
- SBV Connections
- WebEx Capable



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Post BLENDING

POST BLENDING COMBINES AND AUTOMATES MULTIPLE OPERATIONS INTO ONE SINGLE FLEXIBLE UNIT



CDM Flexible Post blenders combines Blending Operations with Milling, Sifting, Bin-to-Bin Transfer and Discharge directly from a

single sanitary, easily maintained column. Fully automated and recipe controlled reduces operator error.

“Setting the new powder blender standard with improved style, safety and functionality.”

CDM’s through-wall mounting feature optimizes facility space reducing the overall footprint of the blender within the Clean Process Room. Front cGMP slot cover is sealed with our patented design that forms a watertight seal as the carriage moves up & down column.

“CDM supplied Blenders designed for applications requiring highly contained connections such as using SBV.”

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Lab BLENDING

SELF-CONTAINED PORTABLE
LABORATORY BLENDER CAPABLE OF
HANDLING MULTIPLE VESSEL TYPES.



Self-contained stainless steel and aluminum portable laboratory blender. Capable of handling multiple vessel sizes and geometries. Hinged safety cover encloses rotating vessel. Soft Start and Stop. Non-volatile memory to retain data in case of power failure.

- Flexible Blending
- Fully Automated
- Advanced Controls
- Digital Display
- Software Integration
- High Speed Bar
- NIR
- High Containment

“Setting the new powder blender standard with improved style, safety and functionality.”

CDM supplied carts for easy transport. The cantilevered Stainless Steel and Disposable Vessels are easily removed for cleaning. Transport material easily for further processing and testing. Cart with casters and locking device to easily maneuver and move blending unit around various areas of your facility.

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Development BLENDING

ADVANCED BLENDING TECHNOLOGY AND CONTROLS FOR COMPOUND AND FORMULATION DEVELOPMENT



Identification, High-Speed Mixing Bar, Liquid Introduction, Temperature and RPM Sensors.

The CDM Advanced Flexible Blender Series is a scalable multifaceted blending drive. Options include but not limited to Remote Frequency

“Setting the new powder blender standard with improved style, safety and functionality.”

CDM Advanced Controls package is responsive to the needs of a scalable robust blending environment. CDM has been on the forefront of Blending Controls Technology; NIR, Temperature Gauges, Security, Batch Recording, Recipes, Data Analysis, Timers and Seamless Integration into Existing Systems.

- Flexible Blending
- Fully Automated
- Advanced Controls
- Data Analysis
- Software Integration
- High Speed Bar
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Pedestal BLENDING

PEDESTAL BLENDING AUTOMATES MULTIPLE OPERATIONS INTO A SINGLE PROGRAMMABLE FLEXIBLE UNIT



CDM Flexible Pedestal blenders come in both stationary and portable models. All standard geometries and blender types

available. Ideal size for pilot and clinical trial batch sizes that are easily scaled for Production. High-speed mixing bar available.

“Setting the new powder blender standard with improved style, safety and functionality.”

CDM provides a variety of portability options. Units can easily be moved around with in the tightest of facilities.

- Flexible Blending
- Fully Automated
- Advanced Controls
- Data Analysis
- Software Integration
- High Speed Bar
- NIR
- RFID
- High Containment
- Liquid Introduction
- Security Tiers
- WebEx Capable

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Single Use BLENDING

ELIMINATE COSTLY CLEANING STAGES
AND PREVENT CROSS CONTAMINATION
WITH SINGLE USE VESSELS



CDM has combined the performance of a blender with the convenience of disposable bags reducing or eliminating the need for cleaning between

batches. No wait period or downtime between blends. FDA-Accepted static-dissipative material with filtered inlet.

“Setting the new powder blender standard with improved style, safety and functionality.”

Single Use Flexible Blending System is equipped to handle a variety of sizes and geometries from a single blending drive station. Single use vessels can be designed as required. No special tools required to easily interchange vessels.

- Lab & Production Sizes
- FDA-Accepted
- Match all Geometries
- Disposable
- Stocked Inventory
- Static Dissipative
- Sterile
- Easily Stored
- HEPA Filtered

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Bin LIFT

POST LIFTING COMBINES AND
AUTOMATES MULTIPLE OPERATIONS
INTO ONE SINGLE LIFTING UNIT



CDM provides a sanitary post that will lift and manipulate Bins and Equipment of any size and geometry. Lifts are Engineered and Fabricated as required based on the application including Lift, Slue and Inversion Operations.

“Developing the safest and most technologically advanced cGMP lifts available for multiple operations.”

CDM manufactured lift utilizes a directly coupled electrically driven ball-screw with variable frequency drive to assure the most accurate positioning available. Advanced and configurable control package for any application. Fully integrated and interlocked with downstream process equipment and remotely controlled product flow.

“CDM supplied Lifts designed for applications requiring highly contained connections such as using SBV.”

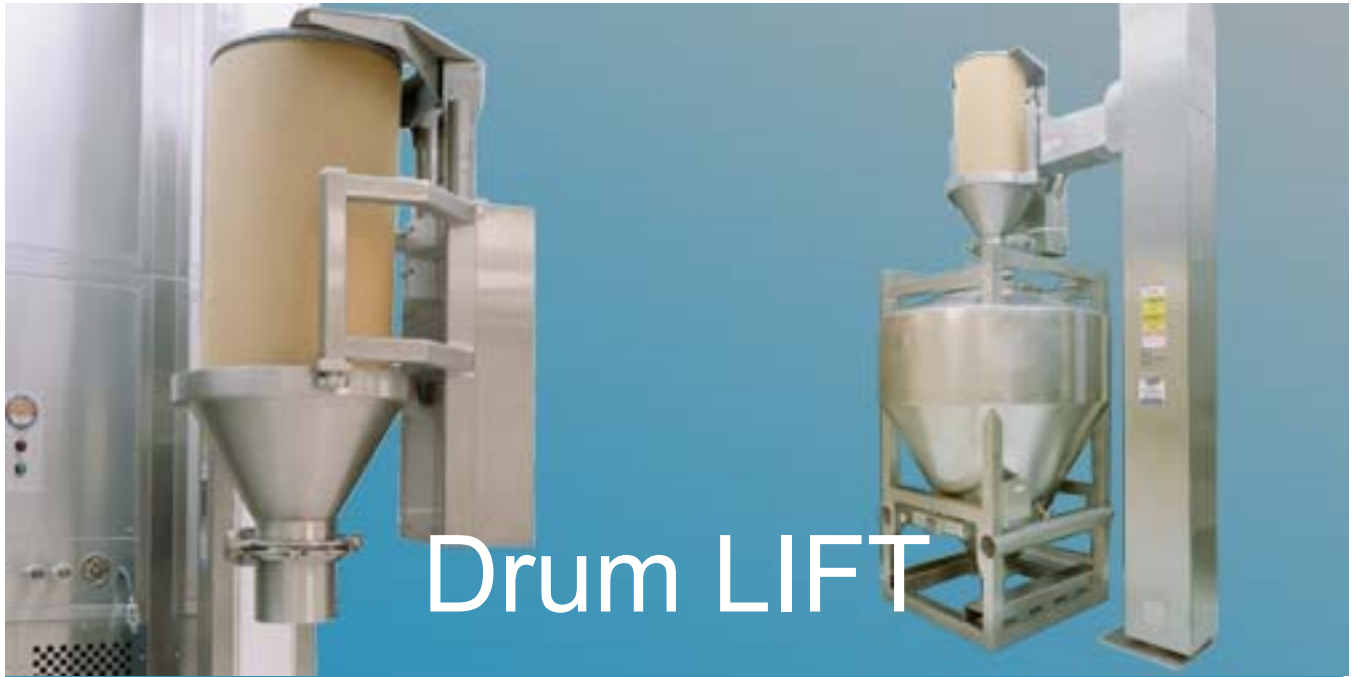
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- Advice and Planning
- Engineering
- Fabrication
- Bin-to-Bin
- Blender Loading
- Compression Loading
- SBV Connections
- Bin-to-Compactor
- Bin-to-Mill
- Bin-to-Screener
- Remote Valve Control
- Infinite Positioning

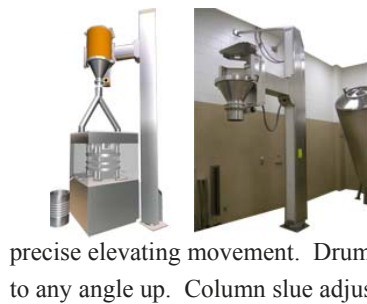


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Drum LIFT

DESIGNED FOR EASE OF LOADING,
UNLOADING, DISCHARGING DRUMS
ACROSS MULTIPLE OPERATIONS



CDM provides a sanitary post that will lift and invert drums of variable size and shape. The electrically driven ball screw will assure smooth and precise elevating movement. Drum inversion will invert the drum to any angle up. Column slue adjustable with infinite positioning.

“Developing the safest and most technologically advanced cGMP lifts available for multiple operations.”

Discharge cone designed and fabricated as required. Commonly equipped with sanitary ferrule on outlet to accommodate a variety of valve types and sizes. Cone is fitted with a silicone gasket creating a tight seal with drum. Standard options include High Containment connections, product metering, dust extraction and fully automated.

“CDM supplied Lifts designed for applications requiring highly contained connections such as using SBV.”

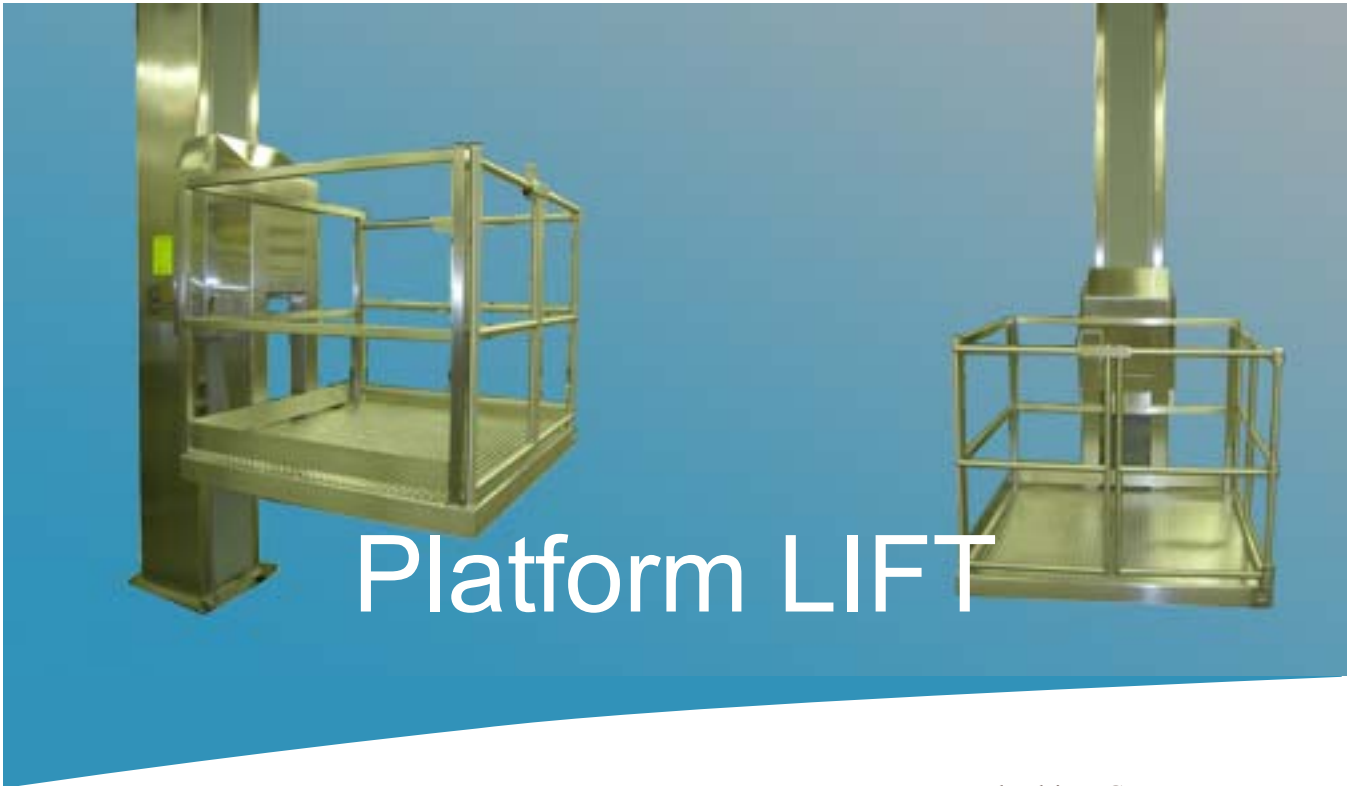
Please call for quotes and consultation



- Advice and Planning
- Engineering
- Fabrication
- Automatic Clamping
- Infinite Positioning
- Blender Loading
- Tablet Press Charging
- SBV Connections
- Metering
- Sealed Column
- Delumping
- Dust Extraction



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**SAFELY LIFT MATERIAL AND EQUIPMENT
WITH INTERLOCKING CONTROLS FROM
SINGLE SEALED COLUMN**



All drive components are housed within a stainless steel column creating a clean and contained operating unit. The electrically driven ball screw will assure smooth and precise elevating movement. Interlocking gate sensors and pneumatically locking pins secure platform.

“Developing the safest and most technologically advanced cGMP lifts available for multiple operations.”

Multiple Load and Unload positions. In-floor pit frame designed to have surface flush at floor level for easy loading without ramp. Pit frame constructed from Stainless Steel with centering drain for easy cleaning. Removable and fold-away side rails available. Capacities to 20,000 lbs.

“A cost effective alternative to enclosed elevator shafts with multiple Load and Unload positions.”

Please call for quotes and consultation



- Interlocking Gates
- Safety Arrestors
- Flush Floor Platform
- High Lift Capacity
- Sealed Column
- Multiple Level Lift
- Infinite Positioning
- Ballscrew Mechanism
- Anchoring Pins
- Multiple Load/Unload Positions
- Custom Carts



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Bag LIFT

POST LIFTING COMBINES AND AUTOMATES MULTIPLE OPERATIONS INTO ONE SINGLE LIFTING UNIT



CDM provides a sanitary post that will lift and manipulate Bags, FIBC's and SuperSacs of any size. Lifts are Manual and Automated units

available. Custom valve mounting for controlling product through outlet of bag. Portable unit for easy transport.

“Developing the safest and most technologically advanced cGMP lifts available for multiple operations.”

Bag is attached to lifting hooks or forks designed as required. The lift can lower the FIBC to a docking height and stop without sag or creasing. CDM offers a variety of containment and transition designs that specifically address the discharge point of FIBC unloading and controlling product flow.

- Advice and Planning
- Engineering
- Fabrication
- Custom Bag Handling
- Lifting Hooks
- Valve Mounting
- Multiple Bag Lifting
- Integrated Controls
- Automated Operations
- Ball Screw Drive
- Safety Interlocks
- Robust Turntable

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Bowl LIFT

EASILY TRANSPORT, LIFT AND INVERT BOWLS FOR A SAFE, CONTROLLED AND SANITARY DISCHARGE



CDM provides a sanitary post that will lift and invert any style product bowl of variable size and shape. The electrically driven ball screw will assure smooth and precise elevating movement. Drum inversion will invert the drum to any angle up. Column slue

“Developing the safest and most technologically advanced cGMP lifts available for multiple operations.”

Discharge cone designed and fabricated as required. Commonly equipped with sanitary ferrule on outlet to accommodate a variety of valve types and sizes. Cone is fitted with a silicone gasket creating a tight seal with bowl. Standard options include High Containment connections, product metering, dust extraction and fully automated.

“CDM supplied Lifts designed for applications requiring highly contained connections such as using SBV.”

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- Advice and Planning
- Engineering
- Fabrication
- Automatic Clamping
- Infinite Positioning
- Blender Loading
- Tablet Press Charging
- SBV Connections
- Metering
- Sealed Column
- Transport Carts
- Dust Extraction



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Portable LIFT

PORTABLE MODULAR LIFTS WITH CUSTOM LIFTING ATTACHMENTS FOR ALL YOUR APPLICATIONS



CDM portable modular lift is designed to accept different attachments for flexible use. Stainless Steel and anodized aluminum units available.

Load capacity as required. Plug-in and batter powered units with on-board charging system. Large easy roll non-marking casters

- Modular Unit
- Custom Lifting Arms
- Plug-In & Battery
- Overload Protection
- Locking Casters
- Pendant Controls
- Adjustable Handles
- Ball Screw Drive
- Ergonomic
- 304 S/S
- Infinite Positioning

“Developing the safest and most technologically advanced cGMP lifts available for multiple operations.”

Lifting mechanism is ball-screw with direct drive gear motor. Auto-hold feature locks lift in place with overload protection. Ideal for lifting and transporting IBC's, drums, bottles, bags, single and “Y” chute attachments, valve assemblies, cleaning skids and much more.



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