

column lifts & blenders



...a world of experience to meet your powder handling challenges

by



Industrial Equipment & Design Company

Column Lifts and Blenders

Lifting



When handling IBC's, conveyors or other process equipment, it is often necessary to elevate and position the equipment above a process. Accomplishing this with forklifts or overhead cranes can be inconvenient, unsafe and unsanitary.

To deal with these kinds of installations, IEDCO has developed a line of "column lifts" which permit the handling of IBC's, vacuum systems and other devices. in an easy, safe and precise fashion.

We have electric screw jack lifts for heavy loads and pneumatic lifts for lighter loads



IBC Column Lifts

The **IEDCO IBC Column Lift** is designed to be stationarily mounted on a level floor and supported from a bearing support at the top.

The **IEDCO IBC Column Lift** is completely electrically powered and designed to accurately lift and swivel. The completely electric design makes the machine more reliable, trouble-free and smoother



operating than either hydraulic or pneumatically powered units. There is no leakage, no motion creep and far less maintenance.

Material lifts, drum inverters and other custom lifting systems are also available.



General Specifications:

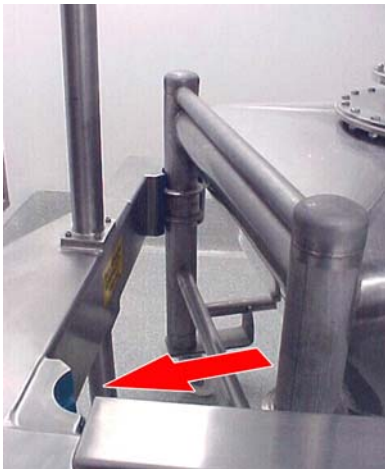
Lift Type	Screw jack	Capacity	To 3000 lbs.
Lift Speed	10 fpm	Swivel Limits	270°
Lift Height	As Required	Reach	Up To 6 Feet
Column Size	12" Square	Rotation	2 fpm (adjustable)
Controls	Allen Bradley PLC	Positions	As Required
Materials	Stainless or Carbon Steel	Finish	As Required

Blending

One of the inherent advantages of an IBC is that it permits the blending of multiple ingredients without the need to transfer the material to and from another machine. This eliminates segregation and cross contamination issues.

Our line of column blenders permits the easy loading of the IBC, without a forklift. After blending, the IBC can be lifted and positioned above “a process” for discharging, via the use of one of our column lifts.

Column Blenders



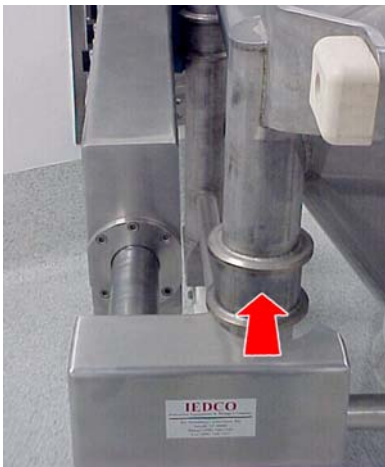
The IEDCO Column Blender is designed to receive, lock, lift and blend an Intermediate Bulk Container (IBC).

The Column Blender is completely electrically powered. The completely electric design makes the machine more reliable, trouble-free and smoother operating than either hydraulic or pneumatically powered units. There is no leakage, no motion creep and far less maintenance.



General Specifications:

Lift Type	Screw Jack
Capacity	To 2000 lbs.
Lift Speed	10 fpm
Blending Speed	0-20 rpm (adjustable)
Loading Method	Manual
Locking Method	Air Cylinder Actuator w/ Mechanical Lock
Controls	Allen Bradley PLC w/ Touch Screen OIT
Positions	As Required
Materials	Stainless or Carbon Steel



IEDCO Blender Advantages

The ability to obtain a homogeneous blend of multiple ingredients in an IBC is a tremendous asset.

The transfer of product to and from another machine is eliminated and containment and ergonomic situations are tremendously improved.

The clamping arm is unique, simple, hygienic and safe. The one adjustable arm is opened for loading. The IBC's are fit with “male” rings on the four legs. The rings of one leg are positioned in “female” inserts of the stationary arm and the IBC is simply pivoted into place. The adjustable arm is locked. The IBC is now safely secured at three corners and ready for blending.





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IEDCO has a strategic alliance with the **Essex Rise Corporation**, and have worked together on several projects together that involve material lifting, dumping and/or inverting.

The Essex Rise Corporation was founded in 1946 as a Materials Handling Equipment dealer/representative involved in the sale and installation of cranes and conveying equipment. Territories serviced were the New York metropolitan area, the Northeast and Mid-Atlantic States. Some light manufacturing of custom conveying equipment was also part of the business for equipment not commercially available at the time.

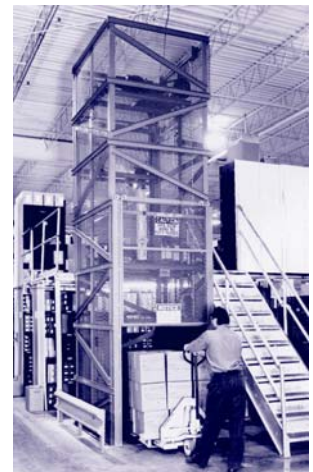
New products have been introduced over the years like Inverters for P/M users and Column Lifts for the fine powder and pharmaceutical industry. Together, **IEDCO** and **Essex Rise** have the engineering expertise and staff to provide custom designed solutions from stand-alone equipment to large materials handling systems for all industries.



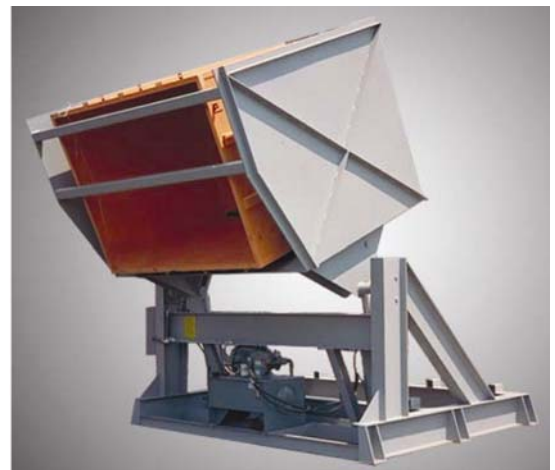
Skip Hoist Cable Dumpers



**Hydro-Lift
Vertical Reciprocating Conveyors**



4-Post Material Lifts



Skip Hoist Hydraulic Dumpers for Discharging the Contents of Any Container