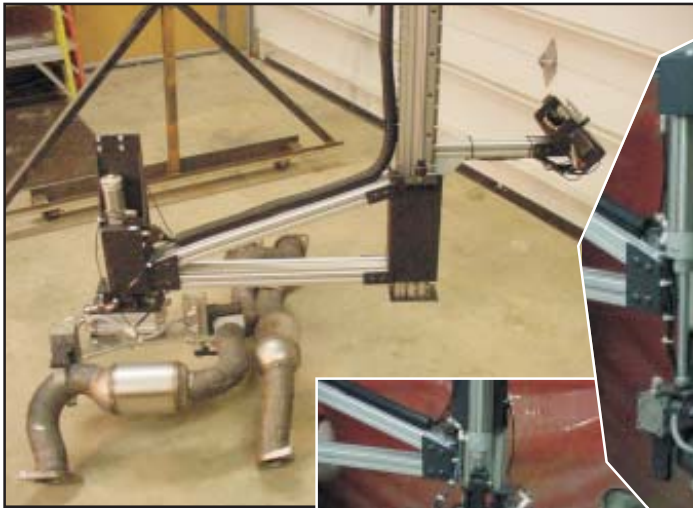


LIFT ASSIST / MANIPULATOR

Ergonomically Designed to Reduce the Risk of Injuries

It's as easy as riding a bike! This is an air powered unit that utilizes two-hand anti-tie down for safety. Our lift assist can be designed to pick up parts that weigh 25 - 500# by using clamps or vacuum. We can then manipulate the part by rotating or flipping it for the correct orientation to place the part into or get the part out of fixtures, gauges or shipping containers. This can be mounted to a jib or gantry style crane - depending on your process.



Video Available - call for details!

Ergonomic equipment has a Return On Investment (ROI) from at least three different sources:

- 1) Increase in **efficiency**
This can come from many factors. Decreasing the time to move an object from point A to point B by 10% will cut the handling costs by 10%. An additional two hours of productivity can be earned if a worker gets tired after six hours instead of four.
- 2) Decrease in **lost time and medical expenses** which consequently lowers workers compensation costs. Lost time accidents cost 48.5 billion dollars in 1993, according to the National Safety Council, back injuries make up 22 percent of these claims at 33% of the total costs of all lost time accidents.
- 3) Minimize **OSHA** fines for ergonomic violations
OSHA assesses fines for violations of the "General Duty Clause" which requires manufacturers to provide a safe workplace. These fines are increasing depending upon the number of shifts.

Example: the percentage of savings in labor that is needed to pay for a \$2,000 piece of equipment in ONE year with the cost of labor and burden at \$20 per hour is:

Number of Hours to	\$2,000 (Equipment Cost)	=	100 Hours	% Increase to Pay for	100 Hours	=	4.8%
Pay for Equipment:	\$20 (Labor per Hour)			Equipment in ONE Year:	2080 Avg. Hrs. Worked/Yr.		

If efficiency can be increased by only **4.8%**, the \$2,000 purchase can be paid for in ONE year. Additional savings are realized by reducing lost time and medical expenses or perhaps an **OSHA** violation.

Place your Business Card or
company info here



Place business card here

Request for Quote / Lift Assist Manipulator Data Sheet

RFQ Date: _____ Quote Due: _____
 Company: _____ Req'd By: _____
 Phone #: _____ Fax #: _____ E-mail: _____
 Job Location: _____ Projected Start Date: _____
 Want to see the Video file in the comfort of your office? _____ e-mail: _____

Type of Object: _____

Material: Steel Aluminum Plastic Wood Cardboard Other _____
 Height _____ Length _____ Width _____ Weight _____ Temp _____
 Circle Square Rectangle Other _____
 Surface: Flat Rounded Holes Other _____

Current Process: _____

(how part is manipulated) _____

Future Process: _____

Part Travel: From Height _____ To Height _____

Vertical _____ Horizontal _____
 Rotation (degree) _____ Flip _____
 Cycle Time _____ Parts/Min/Sec _____

Environment: Weld Paint Other _____

Crane: Gantry Jib (wall mount) Jib (post type)

New Existing Size _____
 Attachment: Trolley Vacuum Hoist # of _____
 Capacity _____ Length _____ Width _____
 Height off Floor _____ Ceiling Height _____

Building: Air Supply _____ psi Electrical Supply _____ V

Floor Plan Available _____ Overall Height _____

Special Instructions: _____