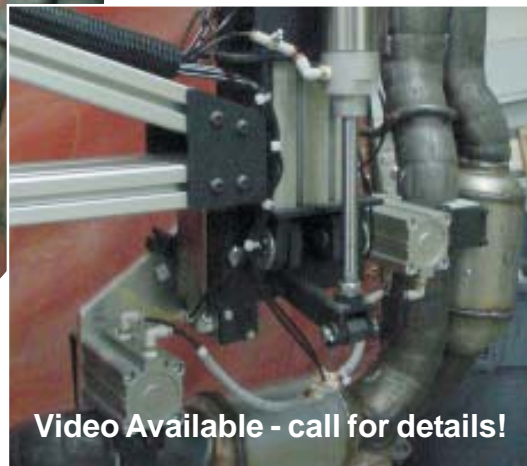
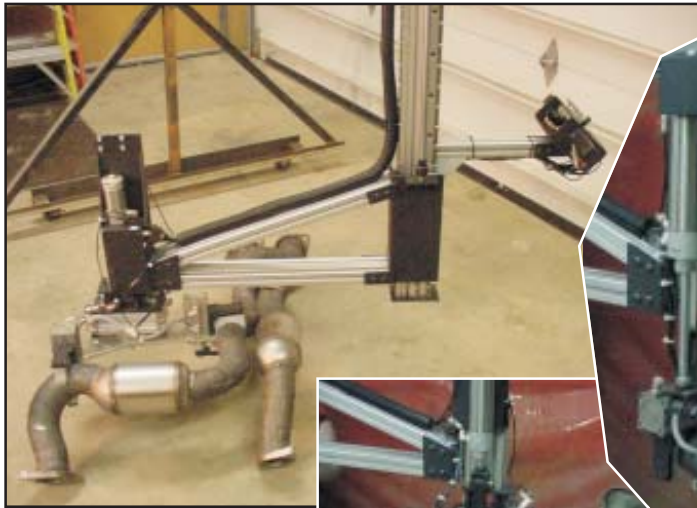


# LIFT ASSIST / MANIPULATOR

## 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 pay back 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.

What percentage of savings in labor 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:

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

## AUTOMATION & INSTALLATION

# EDR INC.

MATERIAL HANDLING & MANUFACTURING SOLUTIONS

## MISSION STATEMENT

*Integrity and Credibility* have formed the foundation of EDR Inc. Our staff embraces a positive attitude about doing whatever it takes to insure our customers' satisfaction; guaranteeing that they recommend us to other companies in the manufacturing and distribution industries.

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### 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: \_\_\_\_\_