

Application Data Form - Cart Lift Systems

Please fill in and send to:

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Alternatively, you can simply call us at 800-444-4351 and a technical sales person will fill out the form for you and answer any questions.

1. Contact:

Company name: _____	Date: _____
Contact name: _____	Web site: _____
Title: _____	Email: _____
Address: _____	Phone: _____
City, State _____	Fax: _____
Zip code: _____	

2. Application Description (please attach additional sketch)

New application: _____ Yes: _____ No: _____

Attach file: _____

3. Sequence of Operation Description (please attach document or sketch) (for examples please see the end of this form)

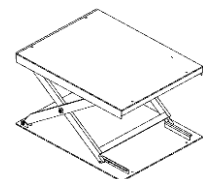
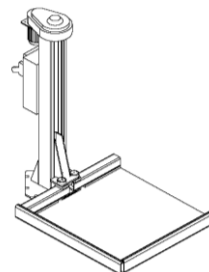
Attach file: _____

What is the position of the lift when loaded: _____

How many positions will the system positioner be interfaced at (example: 2 qty full up and full down): _____

4. System

Lift device: _____	Air: _____	Electric: _____	Hydraulic: _____
Product type: _____	Lift: _____	Lift & rotate: _____	Lift & tilt: _____ Tilt: _____
Product section: _____	General Industry = GI: _____	Heavy Duty = HD: _____	Super Heavy Duty = SD: _____
Capacity: _____	Rated: _____	Actual: _____	
Capacity - Is the system at maximum load when lift is at: _____		Full down: _____	Full up: _____
Center of gravity location: _____			
Will the lift be center loaded: _____	Yes: _____	No: _____	
Will the lift be pit mounted: _____	Yes: _____	No: _____	
Duty cycle: _____	Cycles/hour: _____	Hours/day: _____	Days/week: _____ Weeks/year: _____
Cycle time (seconds): _____	Time up: _____	Time down: _____	
Rack / dunnage size: _____	Length: _____	Width: _____	Height: _____
Lowered height: _____			
Travel: _____			
Raised height: _____			



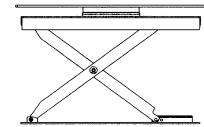
5. Tilt

Tilt angle (degrees):	_____	_____
Tilt pivot side:	_____	_____
Tilt lift mounted:	Yes: _____	No: _____
Tilt floor mounted:	Yes: _____	No: _____
Tilt dual dampening system (for air systems only):	Yes: _____	No: _____

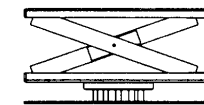


6. Rotate

Rotate (High-Grade Bearing 14" (356mm)):	Yes: _____	No: _____
Rotate (High-Grade Bearing 20" (508mm)):	Yes: _____	No: _____
Rotate bearing mount:	Top of lift: _____	Bottom of lift: _____
Rotate lift mounted:	Yes: _____	No: _____
Rotate floor mounted:	Yes: _____	No: _____
Push / pull force (pounds or Kg):	Push: _____	Pull: _____
Air brake:	Yes: _____	No: _____
Detents:	90 degrees: _____	180 degrees: _____
Manual release lock:	Yes: _____	No: _____
Brake-on indicator	Yes: _____	No: _____



Bearing mounted on top of lift



Bearing mounted on bottom of lift

7. Structural

Platform dimensions:	Length: _____	Width: _____
Platform overhangs skirt:	Yes: _____	No: _____
Footprint dimensions (w/out skirt):	Length: _____	Width: _____
Footprint dimensions (with skirt):	Length: _____	Width: _____
Floor mount tabs:	Internal: _____	External: _____
Riser:	Height: _____	
Retaining corners:	8" (203mm) long x 1/2" (13mm) thick x 4" (102mm) tall	Quantity: _____
Retaining plate (full face):	3/8" (9.5mm) thick: _____	1/2" (13mm) thick: _____
Retaining requirements (please describe):		Height: _____

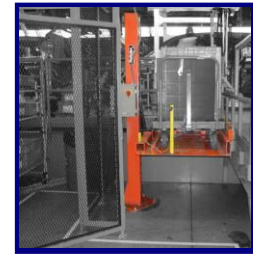
8. Material and Finish

Material:	High strength steel: _____	Stainless steel: _____
Color:	Color code number: _____	
Epoxy food-grade paint:	Yes: _____	No: _____
Powder coat paint:	Yes: _____	No: _____
Special Material and Finish requirements (please describe):	_____	

9. Safety

Safety bellows vinyl black & yellow:	Yes: _____	No: _____	
Velcro-on:	Yes: _____	No: _____	
Bolt-on:	Yes: _____	No: _____	
Fold width:	1-1/2" (38mm): _____	2" (51mm): _____	2.5" (64mm): _____
Split corner for ease replacement:	Yes: _____	No: _____	
Safety bellows fire retardant:	Yes: _____	No: _____	
Steel panels:	Yes: _____	No: _____	
Steel beveled toe guards welded to platform:	Yes: _____	No: _____	

Fencing	Yes:	No:
Fully redundant safety locking system:	Yes:	No:
Mechanical locking system - arms	Yes:	No:
Mechanical locking system - ratchet	Yes:	No:



Example of Fencing

10. Portability

Portability:	Manual:	Powered:
Portability - air bearing:	Yes:	No:
Portability - casters system:	Yes:	No:
Portability - dolly system:	Yes:	No:
Portability - fork pockets:	Yes:	No:
Portability - rail system:	Yes:	No:

11. Control

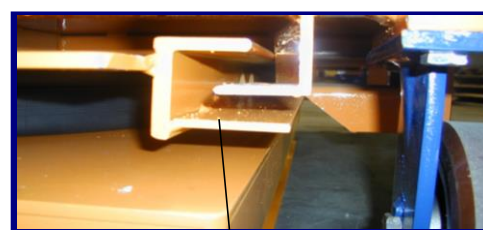
Hand pendant control:	Yes:	No:	
Hand pedestal control:	Yes:	No:	
Foot control:	Yes:	No:	
Detent down control:	Yes:	No:	
Non-Pilot valve internal exhaust:	Yes:	No:	
Pilot valve internal exhaust (air or electric):	Yes:	No:	
High flow valve package:	Yes:	No:	
Limit switch stops:	Yes:	No:	
Limit switch interface with gate or fencing:	Yes:	No:	
Automation control box:	Yes:	No:	
Emergency stop (E-stop):	Yes:	No:	
Filter / regulator:	Yes:	No:	
Lock out safety valve:	Yes:	No:	
Inline check valve:	Yes:	No:	
Quick disconnect fittings:	Yes:	No:	
Hard plumbing of system:	Yes:	No:	
Power controls requirements:	12V:	24V:	
Power system requirements:	110V:	220V:	480V:
Length of hose or cable:	Standard 12 ft (3658mm):	Other:	
Hose management - Catrac:	Yes:	No:	
Hose protection sleeves:	Yes:	No:	

12. Cart Interface with Lift

Note: Clearances between the cart and the lift should be a minimum of 1/2" (13mm) with 1" (25mm) preferred for dimensions from the platform of the lift and the bottom of the cart and the sides of the lift (or skirting if included) and the nuts on the casters.



Guides located on cart



Guides located on platform of system positioner (lift and tilt)



Guides located on outside of system positioner, floor



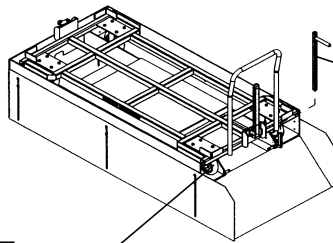
Guides located on base of system positioner (lift)

Will cart be pushed onto the system positioner: _____
 Will cart be pulled onto the system positioner: _____
 Guides located on cart: _____
 Guides located on outside of system positioner: _____
 Guides located on system positioner: _____
 Cart present switch: _____
 Green wink eye on pedestal: _____

Yes: _____ No: _____
 Yes: _____ No: _____
 Yes: _____ No: _____
 Yes: _____ No: _____
 Platform: _____ Base plate: _____
 Yes: _____ No: _____
 Yes: _____ No: _____



Cart present switch:
Lift will not raise unless switch is activated



Manual cart lock pin
(can be inter connected with lift controls)

Lifting by cart wheels

Manual cart lock pin: _____
 Manual cart lock pin inter connected with controls: _____
 How will the cart be lifted / tilted: _____
 For tilt system describe how the cart and dunnage will interface with gussets: _____

Yes: _____ No: _____
 Yes: _____ No: _____
 By the cart wheels: _____ By the frame: _____

13. Cart design information

Cart Basics:

Platform: _____
 Capacity (Cart): _____
 Center of gravity location: _____
 Will the cart be center loaded: _____
 Rotate on cart: _____
 Tilt on cart: _____
 Floor Brake: _____
 Fork Pockets: _____
 Handle (bolt - on): _____
 Handle (weld - on): _____
 Gusset requirements (corners): _____
 Gusset requirements (full face): _____

Tube: _____ Flat steel: _____
 Rated: _____ Actual: _____
 Yes: _____ No: _____
 Yes: _____ No: _____
 Yes: _____ No: _____
 Yes: _____ No: _____
 Yes: _____ No: _____
 Yes: _____ No: _____
 4" (102mm) long x 1/4" (6.4mm) thick x 2" (51mm) tall
 3/8" (9.5mm) thick: _____ 1/2" (13mm) thick: _____

Quantity: _____

Height: _____

Gusset requirements (please describe):

Caster:

Caster wheel durometer:

Floor surface type and condition:

Will casters spin outside of cart frame:

Yes:

No:

Tow Package

Will carts be pulled by power tugger:

Yes:

No:

How many carts will be towed maximum per train:

Hitch:

Yes:

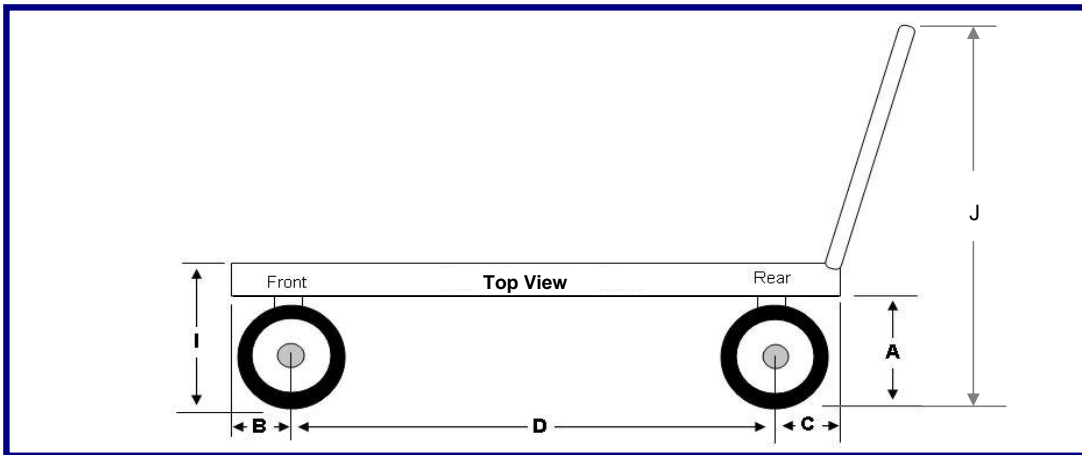
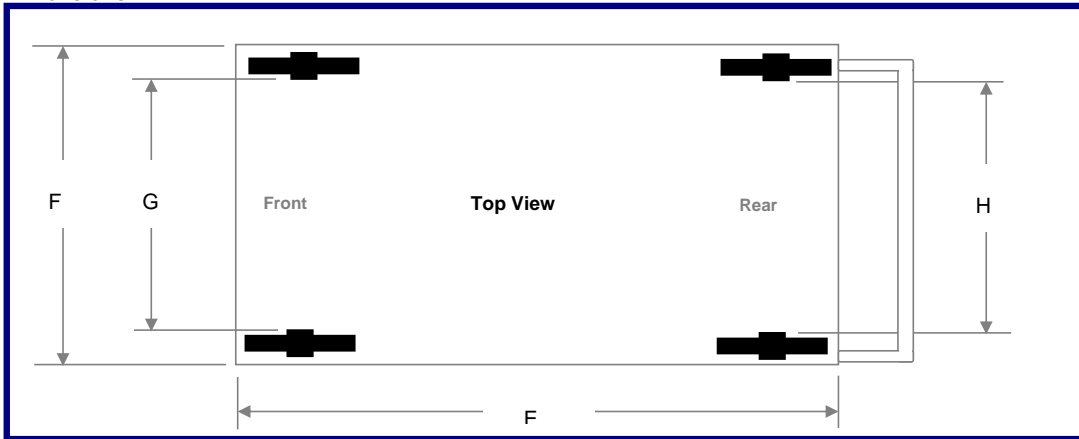
No:

Tow Bar:

Yes:

No:

14. Cart Dimensions



Dimension from the lowest point on the cart to the floor:

A:

Dimension from edge of cart to center of front caster wheel:

B:

Dimension from edge of cart to center of rear caster wheel:

C:

Dimension between the front center caster to the rear center caster:

D:

The length of the cart's deck:

E:

The width of the cart's deck:

F:

The dimension between the inner most part of the front casters:

G:

The dimension between the inner most part of the rear casters:

H:

The dimension from the floor to platform where the pallet/bin will sit:

I:

The dimension from the floor to the top of the handle:

J:

Will the cart have a hitch or tow bar that extends below the bottom of the carts deck:

Yes:

No:

The dimension from the floor to the bottom of the hitch or tow bar: _____

Hitch location: _____

Tow bar location: _____

Wheel diameter of front caster: _____

Wheel diameter of rear caster: _____

Front casters (If swivel define swivel diameter): _____

Rear casters (If swivel define swivel diameter): _____

Middle (load) casters: _____

Front: _____ Rear: _____

Front: _____ Rear: _____

Fixed: _____ Swivel: _____

Fixed: _____ Swivel: _____

Yes: _____ No: _____

15. Other data

Installation of system responsibility: _____ Herkules Equipment Corporation: _____ Customer: _____

Lift quantity: _____

Cart quantity: _____

Proposal required by date: _____

System required delivery date: _____

Target price: _____

Examples: Sequence of Operation

1. Example # 1:

- Sequence of Operation: _____
- 1 Cart - Is empty
 - 2 Cart - Is loaded at the shipping dock with a fork lift truck (6 layers of dunnage with parts)
 - 3 Cart - Is then transported to the assembly line with a tugger - train style (typical train length equals 4 carts)
 - 4 Cart - Is un-hitched from train and positioned next to lift system for the assembly operator to load onto the lift system
 - 5 Cart - The empty cart is removed from lift and connected to the train by the tugger operator
 - 6 Lift - The lift is now in the fully lowered position
 - 7 Cart - The full cart is then loaded onto the lift by the assembly operator
 - 8 Lift and cart - System is raised to the operators desired ergonomic work height as the parts are removed
 - 9 Lift and cart - When the last part is removed, the lift is then fully lowered
 - 10 Cart - The empty cart is removed from lifting system and connected to train by tugger operator
 - 11 Process repeats

2. Example # 2

- Sequence of Operation: _____
- 1 Lift and cart - Assembly line operator removes and assembles the last part X from the dunnage trays on the cart
 - 2 Lift and cart - Assembly line operator lowers the lift to the full down position
 - 3 Lift cart - Assembly line operator removes the empty cart from the lift
 - 4 Cart - The empty cart is moved to a staging area next to the lift
 - 5 Cart - The full cart is taken from the staging area and loaded onto the fully lowered lift
 - 6 Lift and cart - The Herkules lift is raised to the operator desired ergonomic work height as the parts are removed
 - 7 Part X - arrives via semi truck trailer at the shipping dock
 - 8 Cart - Is loaded at the shipping dock with fork lift truck (6 layers of dunnage with parts)
 - 9 Cart - Is transported to the assembly line with tugger - train style (typical train length equals 4 carts)
 - 10 Cart - Is un-hitched from train and positioned next to lift system in the staging area for the assembly operator
 - 11 Cart - The empty cart is removed from staging area and connected to train by tugger operator
 - 12 Cart - The empty cart is transported to the shipping dock to be reloaded
 - 13 Process repeats