

McCOMBS-WALL, INC.
Integrated Material Handling Systems

Handling Equipment

Electric Trucks (w. battery & charger):

Walkie Pallet Jack	\$ 5,500	to	\$ 7,500
Rider Pallet Jack	\$ 7,500	to	\$ 9,500
Order Selector Truck	\$ 19,000	to	\$28,000
Low-Level Order Selector Truck	\$ 8,000	to	\$13,000
Counterbalanced Truck	\$21,000	to	\$29,000
Narrow Aisle Reach Truck	\$25,000	to	\$36,000
Double Deep Reach Truck	\$28,000	to	\$38,000
NA Articulating Truck	\$50,000	to	\$60,000
Turret Truck (Man-UP)	\$65,000	to	\$100k+
Turret Truck (Man Down)	\$55,000	to	\$90k+
Swing Mast Truck	\$60,000	to	\$80,000

Wire Guidance Systems:

Cut, Lay Wire, Seal, Incl. Driver (Linear Ft.)	\$3	to	\$5
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Propane Trucks:

Counterbalanced	\$15,000	to	\$20,000
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Manual Pallet Trucks:

Standard 48" x 27" W	\$400	to	\$900
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Lift Truck Options:

Carton Clamp	\$ 7,000	to	\$ 9,000
Paper Roll Clamp	\$ 8,000	to	\$10,000
Slip Sheet-Push/Pull	\$ 6,000	to	\$ 8,000
Side-Shifter	\$ 1,000	to	\$ 2,000
Drum Handler (single non-hydraulic)	\$ 1,200	to	\$ 1,600
Drum Handler (double non-hydraulic)	\$ 2,400	to	\$ 3,000

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Conveyor:

Live Roller (Linear Ft.)	\$ 200	to	\$ 275
Zero Pressure Accumulation (Linear Ft.)	\$ 225	to	\$ 325
Belt (Linear Ft.)	\$ 180	to	\$ 250
Trash (Linear Ft.)	\$ 250	to	\$ 300
Gravity Roller / Skate (Linear Ft.)	\$ 25	to	\$ 50
Flexible Skate Wheel (Linear Ft. Extended)	\$ 50	to	\$ 75

The preceding budgetary estimates are installed prices. For substantial engineered conveyance projects, the following percentage breakdowns may apply (estimates only):

Controls Engineering	6%
Mechanical Engineering	7%
Project Management	3%
Electrical Installation	8%
Control Hardware	9%
Mechanical Systems	14%
Mechanical Installation	13%
Mechanical Hardware	40%
TOTAL	100%

Miscellaneous Handling Equipment:

Scissor Lifts / Pallet Positioners	\$ 1,200	to	\$ 3,600
Tilt Truck (Waste 0.5 to 2.5 cu. Yds.)	\$ 1,000	to	\$ 2,000
Platform Trucks (24" x 36" to 36" x 72")	\$ 250	to	\$ 500
Battery Operated Straddle Stackers <i>(Manually Propelled 1000 to 2000 lb. Capacity)</i>	\$ 2,000	to	\$ 4,000

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Miscellaneous Handling Equipment Continued:

Battery Operated Straddle Stackers	\$ 5,500	to	\$ 7,500
<i>(Powered drive wheel models 1000 to 2000 lb. Capacity)</i>			
Picking Carts (24" x 36" to 36" x 48")	\$ 150	to	\$ 350
Self Dumping Hoppers (1 to 5 cu. Yds.)	\$ 600	to	\$ 1,400
Drum Dumper (750 to 1500 lbs. Cap. /36" to 60" dump ht.)	\$ 2,500	to	\$ 3,500
Chain Hoist (1/4 HP/500 lbs. to 2 HP/4000 lbs.)	\$ 1,000	to	\$ 3,000
Gantry Cranes (12' to 15' ht./ 7' to 10' I-beam)	\$ 1,200	to	\$ 1,800
<i>(above price includes I-beam trolley, chain hoist not included)</i>			
Floor Mounted Jib Crane (500 to 2000 lbs.)	\$ 1,600	to	\$ 2,200
<i>(chain hoist, and concrete footings not included)</i>			
Floor Mounted Jib Crane (2000 to 6000 lbs.)	\$ 2,600	to	\$ 6,500
<i>(chain hoist and concrete footings not included)</i>			
Rolling Safety Ladders W/Handrails (2-4 step)	\$ 150	to	\$ 250
Rolling Safety Ladders W/Handrails (5-10 step)	\$ 300	to	\$ 600
Rolling Safety Ladders W/Handrails (11 – 16 step)	\$ 500	to	\$ 900
Work Benches (30" to 36" D X 48" to 72" W)	\$ 250	to	\$ 450
Electronic Assembly Work Benches (30" to 36" D x 48" to 72" W)	\$ 550	to	\$ 1,200
Packing Tables (30" to 36" D X 48" to 72" W)	\$ 800	to	\$ 1,500
Garment on Hanger (GOH) Storage /Traffic Rail	\$ 7	to	\$ 9
<i>(priced per linear foot)</i>			

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Dock Equipment (Priced Each Unit)

Dock Levelers:

Mechanical Pit Leveler	\$ 3,000	to	\$ 6,500
Hydraulic Pit Leveler	\$ 4,000	to	\$ 8,000
Edge of Dock Leveler	\$ 1,000	to	\$ 2,000

Dock Boards / Plates:

Aluminum Board (10 5000 lbs.) Cap. With welded curbs)	\$ 500	to	\$ 1,200
Aluminum Board (to 10,000 lbs.) Cap. With welded curbs)	\$ 750	to	\$ 1,750
Aluminum Plate (to 5,000 lbs.) Cap. No curbs)	\$ 350	to	\$ 750
Steel Board (to 10,000 lbs.) Cap. With welded curbs)	\$ 500	to	\$ 1,200

Seals, Shelters & Restraints:

Standard Door Seal	\$ 750	to	\$ 1,500
Standard Door Shelter	\$ 1,200	to	\$ 4,800
Semi-Automatic Truck Restraint	\$ 3,400	to	\$ 4,700

Storage Equipment

Pallet Rack:

(Rack Priced per Pallet Position Including Floor Positions / Assumption of 4-5 Pallet Levels High / Standard 48" x 40" Pallets With Maximum Load of 2500 # Per Pallet / Structural or Roll Formed Steel)

Standard Selective Rack	\$ 30	to	\$ 50
Double Deep Rack	\$ 40	to	\$ 55
Drive-In Rack (2 Deep)	\$ 70	to	\$ 85
Drive-In Rack (3 Deep)	\$ 60	to	\$ 80

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Pallet Rack Continued:

Drive-In Rack (4+ Deep)	\$ 50	to	\$ 65
Drive-Thru Rack (2 Deep)	\$ 75	to	\$ 95
Drive-Thru Rack (3 Deep)	\$ 65	to	\$ 85
Drive-Thru Rack (4+ Deep)	\$ 55	to	\$ 75
Push Back Rack (2 Deep)	\$ 90	to	\$ 110
Push Back Rack (3 Deep)	\$ 125	to	\$ 135
Push Back Rack (4 Deep)	\$ 145	to	\$ 155
Push Back Rack (5 Deep)	\$ 165	to	\$ 175
Gravity Flow Rack	\$ 250	to	\$ 350

Pallet Rack Options:

Wire Deck Sections (Per Pallet)	\$ 14	to	\$ 36
Pallet Supports (Per Pair)	\$ 12	to	\$ 25

Cantilever Rack:

(For Pipe / Tubes / Bars / Lumber):
(Heavy Duty Cantilever Rack Priced Per 8'0"
Wide Bay x The Heights Listed Below)

8'-0" Height:

Single-Sided Cantilever <i>(Four Sets of Arms)</i>	\$ 400	to	\$ 600
Double-Sided Cantilever <i>(Eight Sets of Arms)</i>	\$ 600	to	\$ 800

12'-0" Height:

Single-Sided Cantilever <i>(Six Sets of Arms)</i>	\$ 550	to	\$ 750
Double-Sided Cantilever <i>(Twelve Sets of Arms)</i>	\$ 950	to	\$ 1,150

16'-0" Height:

Single-Sided Cantilever <i>(Eight Sets of Arms)</i>	\$ 1,050	to	\$ 1,250
Double-Sided Cantilever <i>(Sixteen Sets of Arms)</i>	\$ 1,550	to	\$ 1,750

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Steel Shelving:

(Steel-Clip Type of Nut & Bolt Shelving Units 36"- 48" Wide x 12" – 24" Deep x 72" – 96" High With 6 Shelves Per Unit-Priced Per Unit.)

Open Type Shelving:

Light to Medium Duty \$ 75 to \$ 150

Heavy Duty \$ 175 to \$ 350

Closed Type Shelving:

Light to Medium Duty \$ 240 to \$ 480

Heavy Duty \$ 240 to \$ 480

Wide Span Storage Rack:

(Typically Used For Hand-Loaded Static Carton Storage i.e.: Pick-Pack or Archives-Priced Per Bay 96" Wide x 96" High x 24" – 36" Deep w/4 shelves.)

Wide Span Unit \$ 350 to \$ 450
(Particle Board Deck)

Wide Span Unit \$ 450 to \$ 550
(Corrugated Steel Deck)

Wide Span Unit \$ 550 to \$ 650
(Wire Deck)

Carton Flow Rack:

(10' Deep x 5' Wide x 8' High – 5 Shelves w/4 Lanes Each Priced Per Bay)

Carton Flow Unit \$ 1,000 to \$ 1,500

Carousels:

Horizontal Carousels \$ 750 to \$ 1,000
(Priced per Carrier)

(Common horizontal carousel configurations consist of 30 to 60 carriers per carousel, with 2 to 4 carousels per pod.)

Vertical Carousels \$ 1,500 to \$ 3,000
(Priced Per Vertical Ft.)

(Common vertical carousels range from 15' to 30' in height)

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Mezzanines & Storage Platforms:

(8' Underclearance, 10' Deck Height, 150-200 PSF Capacity, Priced Per Square Ft. Price Includes Handrail, Toeguard, and One Stairway. Use Low En of Range for Standard Spans, High End of Range for Wide Spans Between Columns.)

Mezzanine (Per Sq. Ft.) \$ 12 to \$ 16

(3/4" Tongue & Groove

Plywood Over Corrugated

Steel Roof Deck)

Mezzanine (Per Sq. Ft.) \$ 13 to \$ 17

(Perforated Steel Plank Deck)

Mezzanine (Per Sq. Ft.) \$ 14 to \$ 18

(Solid Steel Plank Deck)

Addl. Stair & Landing (Ea) \$ 2,500 to \$ 3,500

Security & Enclosures

Wire Security Partitions:

(Priced Per Linear Ft.-Without Doors or Roof)

8' High Wire Partition \$ 12 to \$ 16

10' High Wire Partition \$ 15 to \$ 19

12' High Wire Partition \$ 17 to \$ 21

Options:

Wire Roof (Per Sq. Ft.) \$ 2 to \$ 3

Single Swing Doors (Ea.) \$ 150 to \$ 250

Double Swing Doors (Ea.Set) \$ 350 to \$ 475

Slide Door (Ea.) \$ 250 to \$ 550

McCOMBS-WALL, INC. **Integrated Material Handling Systems**

The throughput standards, which follow, are broadly categorized and are intended as a rough estimate of productivity expectations. Many factors can significantly affect actual results, therefore we suggest you use these figures cautiously.

Replenishment Standards

Counterbalanced Lift Truck	10-15 Pallets/Hr.
Narrow Aisle Reach Truck	10-12 Pallets/Hr.
NA Articulating Truck	10-15 Pallets/Hr.
VNA Turret Truck (Man-Up)	13-23 Pallets/Hr.
VNA Turret Truck (Man Down)	15-25 Pallets/Hr.
Hybrid Truck Stacker Crane	24-30 Pallets/Hr.

Order Picking From Pallet Rack

Powered Pallet Truck	20-30 Pallets/Hr. Or 30-80 Lines/Hr.
Counterbalanced Lift Truck	10-15 Pallets/Hr.
Narrow Aisle Reach Truck	10-12 Pallets/Hr.
NA Articulating Truck	10-15 Pallets/Hr.
VNA Turret Truck (Man Down)	15-25 Pallets/Hr.
VNA Turret Truck (Man UP)	13-23 Pallets/Hr. Or 40-80 Lines/Hr.
Hybrid Truck Stacker Crane	24-30 Pallets/Hr.
Stock Picker Vehicle	20-50 Lines/Hr.

Order Picking From Shelving or Flow Rack

Pick to Cart	20-60 Lines/Hr.
Pick to Tote or Carton on Conveyor	100-250 Lines/Hr.
Pick to Belt	200-350 Lines/Hr.