



Design, Manufacturing, Supply & Erection of

- Cranes
- Hoists
- Winches
- Goods Lift
- C Hooks
- Transfer Car
- Material Handling Equipments

www.abcoindia.com

World Class Solutions For All Material Handling Applications

About ABCO Engineers

ABCO Engineers is a rapidly growing Material Handling Solutions provider with more than 100 man years of experience in the design, manufacturing and supply of modern material handling equipments that improve Productivity in the working environment, Cut the production delivery times and Reduce storage and Handling costs.

We've built our enviable reputation on quality, reliability, dependability and consistently delivering unsurpassed standards of service. Coupled with our extensive in-stock range, speed of turnaround, ability to fulfill even the most unusual demands and our renowned competitiveness, it's no surprise we're now firmly established as arguably a leading manufacturer of Material Handling Equipments.

From simple to the most complex and demanding manufacturing process and logistics activities, ABCO Engineers has ABCO Products to suit to your various applications.

ONE STOP SHOP FOR MATERIAL HANDLING SOLUTIONS

From Components to Cranes to Hoists to Freight Elevators to Winches to Store Stacker Cranes, we provide the most extensive range of material handling products.

And not only products, but also Technical, Design and Engineering Inputs and Consultancy to provide the most optimum solutions for your needs. The Automotive industries, Granite industries, Electro plating industries, Food processing industries and Steel foundries are standing testimonial to this fact.

Infrastructure

Our Factory is equipped to handle orders for design, manufacture, supply and commissioning of all types material handling systems like Cranes, Hoists, Cage/Goods Lift, Fixed Fork Lifts, Winches, Custom Built Trolleys, Special Purpose Lifting Tackles, and also offers consultancy & services in the areas of erection, commissioning, testing of Cranes & Hoists supplied by others/imported equipments.

We have the infrastructure to provide services in the areas of design & manufacturing of :

- EOT Cranes 1 Ton to 70 Tons Capacity up to 30 meters span.
- Gantry/Goliath Cranes of Capacity 1 Ton to 80 Tons up to 30 meters span
- Electric Wire Rope Hoists 500 Kgs to 20, 000 Kgs capacity.
- Jib Cranes 0.5 Ton to 5 Ton 6 meter Jib Arm radius
- Cage Lifts/Goods Lifts/Drum Elevators 500 Kgs to 4,000 Kgs. up to unlimited vertical rise.
- Fixed Fork Lifts 500 to 2,000 Kgs up to unlimited vertical rise.
- Straight/Curved Monorail systems with under slung electric wire rope Hoist.
- Gondola Machines/Multi Storied Building Maintenance Winch Cradle which is used for glass fixing / maintenance.
- Balanced 'C' Hooks for handling coils 1 Ton to 40 Tons
- Transfer Cars 10 Ton to 120 Tons



Katsuo Tsuji San & Naoki Yamashita San
From Daifuku, Japan With Mr V Benkal

DOUBLE – GIRDER EOT CRANE

(For large loads / span combination)

- Maximum stability for low dead weight owing to box girder design.
- Geometrically reliable during assembly owing bolted design.
- Ideal for operator cab control.
- Can be fitted with walkways and assembly platforms and thus also suitable for maintaining workshop fittings.
- Technical Data :

Load capacity 5 Tons to 80 Tons.

Span : 5 mtrs. to 30 mtrs.

Travel speeds : 10 to 30 mtrs. / min



SINGLE GIRDER EOT CRANES

- Cost – effectiveness solutions for optimum utilization of space .
- High stability for very low dead weight .
- Low load on the crane run way and building structure .
- Favorable hook approach dimensions .
- Outstanding travel characteristics ensuring safe and gentle handling .
- Technical Data :

Load capacity : 0.5 Ton to 20 Ton

Span : 5 mtrs to 24 mtrs.

Travel Speeds : 5 to 20 mtrs / min.

SUSPENSION / UNDER SLUNG CRANES

- Can be fitted to existing roof structure
- Overhead handling for large workshop areas without the need for runway columns.
- Cantilever arms can be used.
- Technical Data :

Load capacity 0.5 Ton to 5 Tons.

Span : 5 mtrs. to 10 mtrs.

Travel speeds : 5 mtrs. to 20 mtrs./min.



MONORAIL SYSTEM

- ABCO – MONO makes it possible to implement economical and reliable material handling solutions which utilize the free space above working and production area.
- ABCO – Mono installations can be simply suspended from the building roof allowing over head handling direct to the required destinations.
- No valuable floor space is lost to runway columns or traffic lanes. And you can arrange your work place for maximum efficiency.



JIB CRANES

(SELF SUPPORTED AND WALL MOUNTED)

- ABCO – JIB CRANES helps to cut setting up and idle times and reduce unnecessary waiting times at work place/machines



GANTRY / GOLIATH CRANES

These are used wherever columns of crane tracks are obstacles or due to long ways and considerable lifting heights. These are used for Container handling, Granite Industry, Ship building industry, Scrap Yards, Ports Shipping Yards etc.

Gantry Cranes offer an economical solution to bridge cranes when the building is inadequate to support a bridge crane or the crane system is to be located outdoors.



← ABCO Gantry Crane

ABCO Semi Gantry Crane →



FIXED STACKER GOODS LIFTS

- Specialized handling equipment for warehouse and factory store.
- ABCO – STACKER CRANE is the right equipment for handling, storing and assembling orders.
- Capacity : 500 Kgs to 1000 Kgs.



FREIGHT ELEVATORS

- ABCO – LIFTS offers high performance and durability with a proven electro – mechanical design.
- Designed to transport large, heavy loads between two or more levels . Ideal for high cycle, automated systems or frequent use applications.
- Lift up to 4000 kgs loads with carriage sizes up to 2000 mm X 4000 mm. and up to Unlimited vertical rise.
- Carriage is lifted and lowered by steel wire rope attached to mechanical lifting mechanism with 6 to 8 times factor of safety.

HI-RISE BUILDING MAINTENANCE LIFTS / CRADLES



- Engineered to meet your exact application and height requirements.
- Heavy duty construction provides superior strength, reliability and long term performance.
- Built with advanced safety features to protect workers and materials.
- Built as modular type for easy shifting to different project locations.

Electric Wire Rope Hoist

- ABCO hoist is recognized as being one of the most reliable and of the highest quality all over India. Our hoists are designed and built to comply with all safety/ISI standards and regulations.

■ Technical Data :

Load capacity : 0.5 Ton to 20 Tons
Travel Speed : 10 to 20 mtrs / min.
Hoist Speed : 3 to 10 mtrs /min



ABCO 'C' Hook

Balanced 'C' Hooks

- ABCO balanced 'C' Hooks are engineered to meet the specific requirements of the customer's operating environment. Featuring unitized construction for strength, durability and safety, ABCO offers a variety of 'C' Hook configurations to permit greatest utility.

Power Winches / Pneumatic Lifts

- ABCO manufactures & supplies a comprehensive range of electric, hydraulic and pneumatically operated winches and pneumatic Lifts which are suitable for a wide range of applications including construction, mining, marine, offshore oil rigs, exploration and a host of other applicable areas.

ABCO Pneumatic Lifts →



ABCO Power Winch

CRAB ASSEMBLY

- ABCO Crab Assembly with micro speed kits are designed to support the material handling more effectively.



LIFTING TACKLE

- ABCO designs, manufacturers & supplies various types of customized Lifting Tackle to suit all Customer's requirements.



OUR OTHER PRODUCTS

- TROLLEYS FOR INLINE PRODUCTION ACTIVITIES.
- PALLET TROLLEYS FOR STORING / SHIFTING.
- GEAR DRIVES / GEAR BOXES.
- CILOS, CYCLONES, & PICK-UP-ENDS FOR FOOD INDUSTRIES.



OUR MAJOR CUSTOMERS

Our company has enjoyed a good market penetration and was successful in bagging some of prestigious contracts and rendered services to Corporate, Multinational and Private sectors including:

Araco Automotive India Pvt Ltd.

Ashok Leyland Ltd.

AISIN NTTF India Pvt. Ltd.

ADVITA INDUSTRIES Pvt. Ltd.,

LUK India Pvt. Ltd, Hosur

BFW Foundry Division, Hosur.

HHV Pvt. Ltd. Peenya, Bangalore

Kone Cranes India Pvt. Ltd. Pune

Yukogwa Blue Star Pvt. Ltd.

Universal Power Transformers Pvt. Ltd., Haridwar

Universal Power Transformers Pvt. Ltd., Bangalore

Madhucon Granite Industries, Hosur

GE BEL Ltd.

BOSCH REXROTH Pvt. Ltd., Bangalore

ITC Sunrise Projects

Sintex Industries Pvt. Ltd. Bangalore

Coco Cola, Bangalore

MTR Foods Pvt. Ltd.

FESTO CONTROLS Pvt. Ltd.,

SPICER India Ltd, Hosur.

TIMKEN Engineering & Research India pvt Ltd.

Taegu Tec India Pvt Ltd.

Karnataka Metal Corporations, Bangalore.

SS Industries, Bangalore

and many more . . .

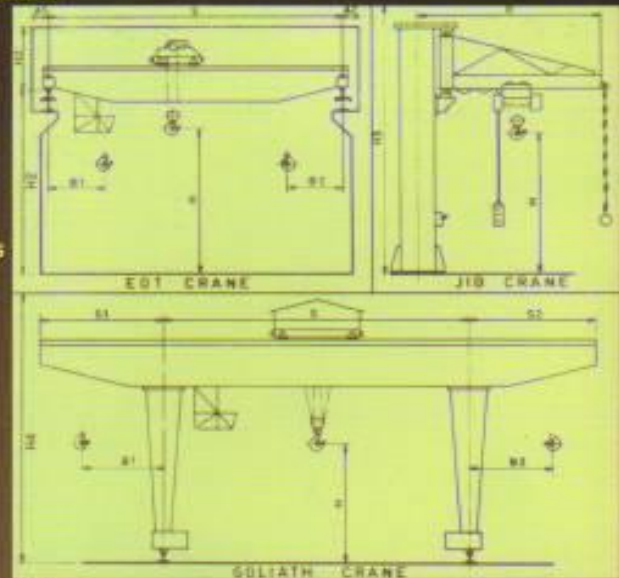
LINE DIAGRAMS SHOWING MAJOR DIMENSIONS CLEARANCES

Specify when ordering :

1. Capacity
2. Class of Duty
3. Span
4. Height of the Lift
5. Speeds
6. Indoor or Outdoor

Additional specifications required for : EOT : Goliath Cranes

- a. Type: Single/ Double Girder or Under Slung
- b. Span & Overhang If any (S, S1 & S2)
- c. Headroom (H1)
- d. Height and Size of rails (H2)
- e. Total height available (H4)
- f. Side Clearances (A1 & A2)
- g. Hook approach (B1 & B2)
- h. Operation: Cabin or pendant
- i. Platform
- j. Type & Length of DSL



Jib Cranes

- a. Type: Whether self supporting or Wall Mounted
- b. Jib arm radius (R)
- c. Total Height available (H3)

Hoist

- a. Size of Monorail
- b. Height of Monorail

Winches

- a. Number of Falls
- b. Length of Wire Rope

TECHNICAL PARAMETERS FOR DOUBLE GIRDER E.O.T CRANES

Capacity in Tonnes	Span in Meters	Wheel Base in mmW	Head room Clearance in mm H	End Clearance in mm A1/A2	Hook Approach in mm L,H,L1	Hook Approach in mm R,H,L2	Total Wt. of Crane in Tonnes (approx)	Wheel Load of Crane in Tonnes (approx)
5	10	3800	1600	250	900	800	10.5	5.9
	15	4000	1600	250	900	800	13.0	6.7
	20	4200	1700	250	900	800	16.0	7.3
7.5	10	3800	1700	250	950	850	12.0	8.3
	15	4000	1700	250	950	850	15.5	9.3
	20	4200	1800	250	950	850	18.5	10.1
10	10	3800	1800	250	1000	900	13.5	9.6
	15	4000	1800	250	1000	900	17.0	10.7
	20	4200	1900	275	1000	900	20.0	11.6
15	10	3600	2000	275	1000	900	17.5	10.8
	15	4000	2200	275	1000	900	20.5	15.6
	20	4400	2300	275	1000	900	24.0	16.2
20	10	3800	2200	275	1150	1000	20.5	14.5
	15	4200	2400	300	1150	1000	24.0	18.4
	20	4400	2500	300	1150	1000	27.0	19.3
25	10	4000	2400	300	1150	1000	24.0	17.5
	15	4400	2600	300	1150	1000	27.5	21.8
	20	4600	2800	300	1150	1000	31.0	22.9
30	10	4000	2400	300	1200	1000	27.5	23.5
	15	4600	2800	300	1200	1000	31.0	26.5
	20	4800	3000	300	1200	1000	35.0	28.4
40	10	4200	2750	300	1300	1050	34.5	29.5
	15	4800	3000	325	1300	1050	38.0	40.2
	20	5000	3200	325	1300	1050	41.5	33.7

Few of Our Products



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