

Bahuchar

----- ELECTRICALS



WELLCOME TO BAHUCHAR ELECTRICALS

“BAHUCHAR ELECTRICALS” is a one of the fastest growing manufacturer and supplier of material handling equipments such as “EOT Cranes, Electric Wire Rope hoist, Gantry Crane, jib crane, under slung Crane, Winch, Transfer Trolley, Goods lift / Cage Hoist, Flame Proof Hoist and Cranes”

The Company is Run By Young and dynamic team backed by experienced strategists and our products are mfg. as per IS standards and highly reliable. every crane manufactured by **“BAHUCHAR ELECTRICALS”** is designed to meet individual customer requirements and working in a large variety of industries across india and abroad.

VISION :

We envision ourselves to be one of most trusted and admired **“CRANE MANUFACTURING COMPANY”** in the nation by providing quality products to our valued customers at all times.

MISSION :

To develop & maintain successful long term business relationship & to provide high quality product and ensuring total customer satisfaction. we strive to achieve it through continuous improvement in product, upgrading the manufacturing system with technological development and delivery superior quality products at all cost

Quality policy

“The Cornerstone of our success lies in a proactive management & excellent product quality”

we are committed to provide the best quality products to achieve customer’s satisfaction, because we not only want to provide our customer’s satisfaction, but also we want to build-up a healthy & longer relationship with our clients. our equipment are tested according to cranes IS Provision. We also commit to implement, maintain and continuously improve quality management system and also commit to fulfill all applicable statutory and Regulatory requirements. we ensure you of our competitive and reasonable rates coupled with reliable and efficient efficient working of our products.

PRODUCT RANGE

SINGLE GIRDER EOT CRANE:

SALIENT FEATURES :

Design : “BAHUCHAR ELECTRICALS” Are designed & manufactured accordance with IS-807, IS-3177 & IS-4137 Considering factor of safety in respect to appropriate class of duty.

Duty : BE Cranes are designed for various class of duties :-

Class - I: light duty cranes for maintenance, warehouse operations.

Class - II: Medium duty cranes for general engineering application and machine shop.

Class - III: heavy duty cranes for heavy machine & fabrication shop, paper mills etc.

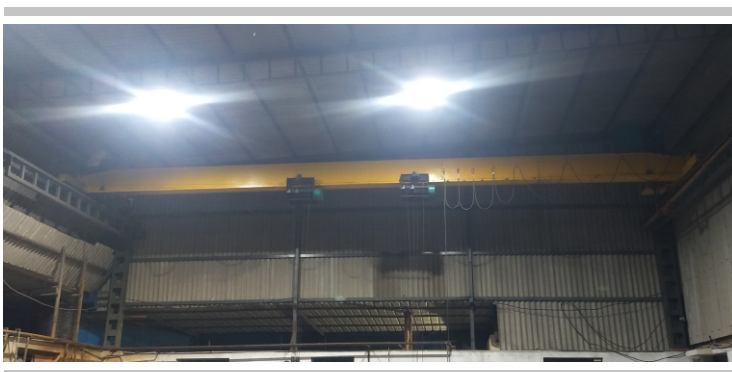
Class - IV: extra heavy duty cranes for continuous operation in steel mills and other heavy engineering purpose.

Crane bridge: Crane bridge Girders are of plate box type / standard rolled steel joist / compound beams / castellated lattice construction. all the main butt-weld joints of the web are strong and rigid structure thus 100% reliability of joints is ensured. the material of construction conforms to IS : 2062-1992.

Motors: The motors are used specially crane duty (S4) Suitable for frequent starting, reversing & braking in accordance With IS - 325 Motors are totally enclosed in dust proof & fan cooling (TEFC) construction beams / castellated /. Sp. cage motors, insulatio class F, IP54 Protection, foot / flange / face mounted.

Brakes: electromagnetic single - dual AC Disc Type / Electromagnetic Shoe type / EHT Brakes are provided in all motions. these brakes are”FAIL to SAFE” type means automatically release when the motor circuit is on and applied when motor circuit is off. dc brakes are also Provided on request.

Gear Box : The entire gear boxes are made of accurate hob cut helical / spur gear & pinions running on antifriction hardness 250 to 350 BHN made From carbon -Alloy steel. all gears & pinions running on antifriction type ball / roller bearings in totally enclosed oil bath giving constant splash lubrication. the helical / spur gear designed for adequate strength and optimum wear resistance for smooth operation & long life.



DOUBLE GIRDER CRENE

the double girder cranes are generally used when heavy loads and wide spans are required. double girder cranes consist of two torsion - free box girders and load lifted by crab which is running on top of two girders.

Manufacturing Range:

- ◆ Capacity : Up to 100 ton
- ◆ Span: Up To 35 Mtr.
- ◆ Lift : Up To On Customer's Request

Salient features:

Amplly Proportioned main Girders of box section fabricated from IS: 2062 Plates that ensure maximum rigidity with a minimum dead weight

Modular Design, Covering a Very Wide Operating range. The systems are designed for ease of installation and maintenance and reliable Operation with fuse less circuitry, ducted wiring and non-screwed terminals. each drive group is equipped with a motor overload relay protection

precision Flat helical / spur gear units in light alloy housings with case - hardened gears high - grade surface treatment and permanent oil / grease lubrication

Higher efficiency to save power.

All motions are protected with limit switches to prevent over hoisting & over Traveling motion. platform with hand traveling motion.

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Platform with hand railing for easy, simple & safe maintenance of the crane extended partially or totally along the girder width



WIRE ROPE HOIST

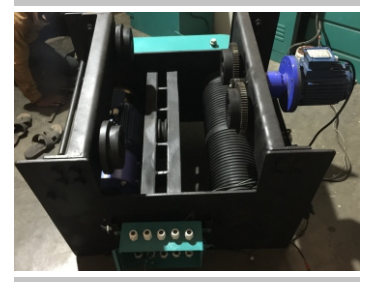
Designed & Manufactured In Accordance with IS 3938

CAPACITY RANGE: 10 TOP 15 TON

Duty Class : Class 1 / Class 2 / Class 3 / Class 4

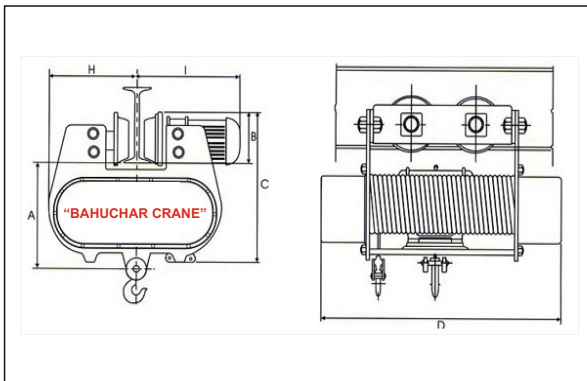
With feature Variants i.e.

- Multi speed (Dual Speed)
- Flame proof Application



The special Feature are low headroom spur/helical gears running gears running on antifriction ball bearings with oil bath lubrication motors conforming to IS 325, "fail" to safe brakes which automatically operates in care of any power failure, tested wire rope conforming to IS 2266, longed hooks conforming to IS 3815 and push button stations operation at step down voltage of 110v, 24v.

TECHNICAL SPECIFICATIONS OF THE "BAHUCHAR CRANE" WIRE ROPE HOISTS



S.W.L. Kgs	Lift Mtr.	No of Falls	Wire Rose Dia	Speed M/Min		Motor HP		DIMENSIONS (mm)						Wt. kgs
				Hoisting	CT	Hoisting	CT	A	B	C	D	E	F	
500	6	2	8	4.0	18	1.0	0.25	180	460	300	400	580	720	150
1000	6	2	8	4.0	18	1.5	0.25	180	460	300	400	580	720	180
2000	6	2	10	3.5	15	3.0	0.50	200	690	400	500	650	1050	400
3000	6	2	12	3.5	15	5.0	1.00	200	700	400	500	750	1050	500
5000	6	4	12	3.5	15	7.5	1.00	200	730	500	600	950	1100	550
7500	6	4	14	3.0	15	10.0	1.00	250	950	620	690	1450	1700	1150
10000	6	4	16	3.0	12	12.5	1.50	250	950	620	690	1450	1700	1200
15000	6	4	20	2.0	12	15.0	2.00	300	1100	750	900	1750	1900	1650

GOLIATH CRANE

SINGLE & DOUBLE GIRDER GANTRY/GOLIATH CRANE

Gantry / Goliath Cranes are adapted to applications where overhead runways would be not possible, costly to erect and difficult to maintain in alignment. where the installation is only temporary a gantry crane can be moved to a new location with less trouble or expenses than an overhead crane and its runway. also it is comparatively easy and inexpensive to extend the the length of the runway and thus increase the working area of the crane. most goliath crane / gantry crane installations are outdoors applications.

Available with our ranges :

- ◆ Full Gantry with single / double girder
- ◆ semi gantry with single / double girder
- ◆ Manual Gentry

Specification :

Capacity : 0.5 Tons Onwards

Span : Up To 30 meter

lift : 0.5 Meter to 20 meter

Features:

- ◆ Economical solution to bridge cranes
- ◆ heavy and light duty
- ◆ efficient and safe operation
- ◆ minimum effective cost & Maintenance



GOODS LIFT

“BAHUCHER CRANE” Goods Lifts Are Two Types.

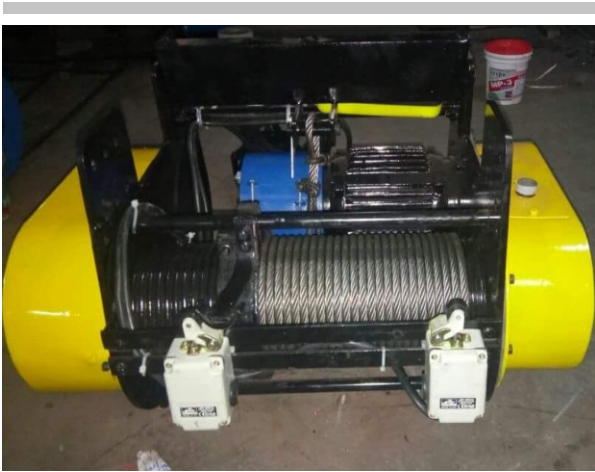
Counter Weight (Balancing Weight) Type Cage hoist type

Both type goods lifts are also offered for hazardous area like gas group I, IIA & IIB Suitable For zone -1& zone - 2

CAGE HOIST TYPE :

Cage hoist Type Goods Lift is Having electric wire rope instead of balancing lifting machine. Wire rope hoist mounted on a top of Supported structure. in the absence of a RCC Well inside the building. a Fabricated enclosure supporting structure can be erected on site.

The Cage is made of rolled steel sections and sides are covered with Bumped sheets. cage top is covered with M.S. Sheets and Bottom is Covered with chequered plate for antiskid property. Collapsible doors are provided on cage as per entry and exit position. the cage is being guided with rollers on “T” guide rail. antifriction bearings are provided for smooth and efficient traveling with low friction and longer life.



JIB CRANES

When looking for a lifting option for a smaller space, one should look to the option for jib crane. this is an excellent choice as it is strong and versatile, robust and flexible. the tough construction of the jib boom ensures that it will not wear out. these cranes can be used for material and machinery loading-unloading small assembly jobs, localized fitting etc.

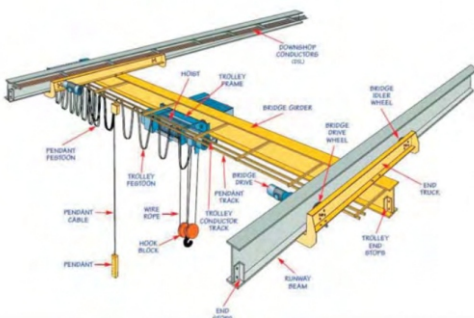
Available with our ranges :

- ◆ Pillar Mounted Jib Crane
- ◆ Wall / cantilever Mounted Jib Crane
- ◆ wall traveling jib crane



UNDER SLUNG TYPE CRANE:

these under slung / suspension cranes are used in the areas where there is no option of the supporting steelwork beneath the floor. the track for such cranes is held by the roof structure or by the pillars. these cranes require less space and run on the lower flange of the crane runway. this flange is placed directly on the ceiling and is highly profitable in terms of judicious use of space. we manufacture these in compliance with the requisite industry standards.



OPTIONAL FEATURES:

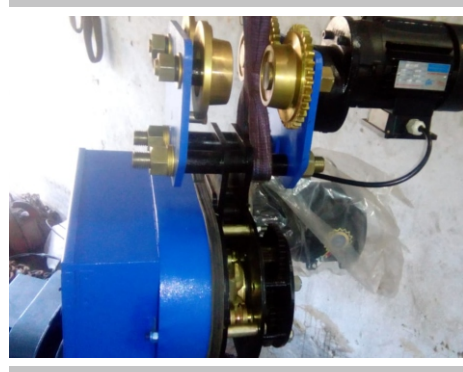
- Variable Speed Through VVF Drive
- Soft Starter
- Slipping Motors
- Wireless Radio Remote Control Operated
- Shrouded DSL Remote Control For Power Feeding
- Flameproof Cranes

CHAIN HOIST

Capacity :- 500 Kg To 10 Ton
product Description :-we Are Counted Among The Most Distinguished Organizations Engaged In Manufacturing And Supplying Of Electrical Chain Hoist In Ahmedabad, Gujarat, India. This Electrical Chain Hoist Is Manufactured By Us As Per The Industrial Standards And Desires Of Our Consumers. Moreover, Our Electrical Chain Hoist Is Technically Advanced And Perfectly Works.

Features:

- Easy and accurate clamping
- Can bear maximum stress
- Durable



CRANE PARTS

CONTROL PANEL

AC VARIABLE SPEED DRIVES (Latest Crane Control Solution

Enhances Crane performance without worries)

Smoother Operation

Excellent Control

Different operating speed of each process

allow accurate Positioning

Control Torque of Tension

the gentle start up of a motor with an ac Drives Reduces the Stress

on Process mechanism and on electrical micro motor, micro gear box, additional brake etc..

which directly save on equipments cost with better performance.

The VFD eliminates the need for magnetic reversing contractor, reduces the number of wearable components in the panel and reduces long term maintenance costs.



SHROUDED BUS BAR SYSTEM:

Shrouded Bus Bar Systems are used for the electrification of mobile equipment. shrouded bus bar is a safe, economical and low maintenance way to solve mobile electrification requirement. systems can be designed to accommodate 60 to 1200 amp.



Cable Trolley

Electrical Brack Ac & Dc



Control Panel

Bridge Gride



Crane Electrical Parts

(Pendant Station, Radio Remote, Brake Drum, Resistance box, master controller, limit controller, Etc.)



Hook

Crane Wheels



And Carriage

