



Whatever **Your Lifting** Need
We have the **Perfect Solution**



 **CENTURY** Fab-Tech Pvt. Ltd.



Our Company

Welcome to Century Fab Tech!

Based in Bangalore Century Fab-Tech design and build Cranes and perform erection all over India.

In the Year 1990 with rich experience of 25 years in Crane Design Century Fab-Tech made a humble beginning by manufacturing of cranes and since then Century Fab-Tech has gradually developed its capabilities and have flourished in all horizon. Today Century Fab-Tech is one of the foremost organizations in India having an absolute experience of 25 Years in the field and having credential of commissioning more than 1000 cranes to various core industrial sectors.

Century Fab-Tech owes its success to dedicated research and development efforts in material handling technology, coupled with the skills and efforts of a team of highly innovated Engineers, Executives and Technicians who have consistently delivered products to a varied range of diversified Customers.

We are proud to be associated with Customers who have time and again been endorsing our material handling equipment known for its Quality, Service and Workmanship.

Our Vision and Values

Century Fab-Tech is aimed to be a market leader in its field, we enter and are known as premier company which produces range of world class weight lifters that are build on the cornerstones of Reliability, Dependability and Safety.

A sense of fair play, dignity of work, ethics and respect for people, permeate all our relationships with our business partners, our employees, our customers and the community at large. This has fastened team spirit and a sense of belonging which have contributed so largely to company's success. Since we started almost 25 Years ago, we have constantly strived to create an atmosphere of increased credibility in the eyes of potential customers in India. We realize that we heed our Customers more than they need us.

A strong sense of commitment has gone into achieving our objectives i.e. multi-disciplinary engineering quality-assured manufacturing; Customer oriented marketing and efficient post sale service.

We have faith in our visions and values. It's simply common sense, good practice and very hard work !

Our Mission

To deliver competitive product and services of global standard that delights customers through:

Continuous technological up gradation in design and manufacturing process.

Committed team work of highly dedicated employees.

Our Business Concept

To achieve our objectives, we believe in providing congenial, creative and challenging working environment for our employees, providing zero defect products to our customers in order to gain continued customer support and at the same time generate adequate rate of return on the investment.



Sudhir Prasad
Managing Director



Infrastructure – Fabrication Facility

We have a sound infrastructure with the most sophisticated machines used like various welding machines which include the CO2 welding machine, gear hobbling machines, lathes and other hi-tech machine tools.

We have a well established Design department to design and modify the Cranes as per the client requirements.



Our Products

DOUBLE GIRDER - EOT CRANE

Capacity ranging from 1,000 Kgs - 1,20,000 Kgs

Century Fab-Tech Double Girder EOT Cranes are available in higher capacities than the single girder, they give a better height of lift in a given headroom as the hook travels between the beams.

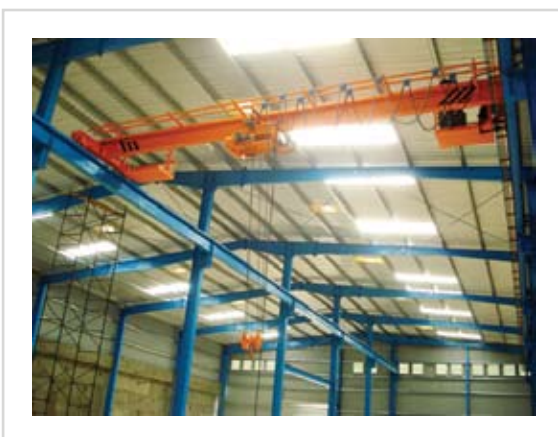
They can be used for heavy duty applications in industry such as:

- General Engineering Industries
- Steel & Foundry Industries
- Steel Stock Yards
- Granite Industries
- Wood Industries
- Railway workshops etc.,



The Double Girder design by Century Fab-Tech has one simple advantage of maintenance access to many critical parts of the crane as the design gives a possibility to fit in a walkway to the crane.

SINGLE GIRDER – EOT CRANE



Capacity ranging from 500 Kgs - 25,000 Kgs

Century Fab-Tech Single Girder Cranes are designed to provide an excellent value for money with no compromise on performance.

These Cranes meet a wide range of modern industrial demands. These single Girder cranes has reduced wheel loads, saving costs on new support structures and increased lifting capacities on existing structures.



GANTRY CRANES

Capacity ranging from 1,000 Kgs - 1,00,000 Kgs

Century Fab-Tech Gantry Cranes come in whenever columns of the cranes track are obstacles or where because of long ways and considerable lifting, height, a high level crane track would over shoot costs. Century Fab-Tech continuously extends the operational range reaching both ends.

Interchangeable standard units with perfect details (electric hoists, crab, L.T drive units, drivers cabin, safety devices etc.,) make Century Gantry Cranes the ideal choice for a variety of demanding application. Century's Gantry Cranes are the "Cranes of Choice" for a wide range of open yard applications such as granite, ship building, storage yards, hydro power plants, mines , bulk material handling (with grab buckets), scrap yards and wood industries.



WIRE ROPE HOIST



Capacity ranging from 500 Kgs - 25,000 Kgs

Century Fab-Tech Electric Wire Rope Hoist are used by all core industries and are known for their enduring quality and complete reliability under most exacting conditions.

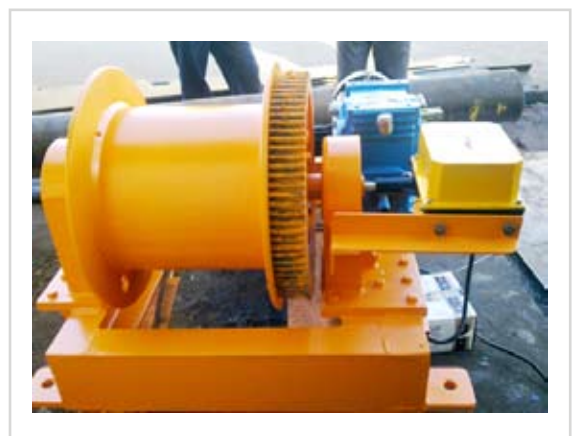
Century Fab-Tech hoist are optimally designed and manufactured under stringent quality control as per the latest IS/BS standard up to 25 Ton capacity. Century Fab-Tech hoist are most compact, cost effective and designed in such a way that exceeds customer expectation.

WIRE ROPE WINCHES

Capacity ranging from 1,000 Kgs - 2,00,000 Kgs

Century Fab Tech offers a diverse range of Electric and Hand Wire Rope Winches for Lifting, Lowering, Pulling and positioning loads to meet your specific needs.

Electric Wire Rope Winches provide superior performance when lifting speeds / pulling speeds are vital.



JIB CRANES

Jib Cranes by Century Fab-Tech. Jib Cranes come in range from 500 Kgs to 5,000 Kgs.

Money saved is money earned. JIB Cranes are a money saver for every industry. Century Fab-Tech has the solutions for any localized material handling task with specific JIB Cranes and lifting tackle with a wide range of types and capacities. Nothing imposes Century Fab-Tech's JIB Cranes for localized handling of any load, economically & efficiently in a minimum floor space.

Standard Range:

- Free standing self supported
- Low head room self supported 360 degrees
- Self supported 180 degrees
- Self Supported 360 degrees

Bracket type and other versions

- Wall bracket type
- King post type
- Moving Cantilever Crane



FREIGHT LIFT / DUMB WAITER



Century Fab-Tech specializes in Design and Manufacturer of Dumb Waiters for all multi-level establishments in India.

The lifts manufactured by us for every Customer are as per specific individual requirements. In other words we customize as per your specific needs, pertaining to the type of materials (Garments, Pharmaceuticals, Hospitals, Chemical industries, Food Industries, Automobiles, Raw material handling, Tool rooms etc.), size and weight to be handled.

We offer wide range of combinations to choose from i.e. different types of cabin, doors, openings, structures cladding and other features make Century Dumb Waiter very versatile to suit all types of environments.

OUR OTHER PRODUCTS

Electric Transfer Trolleys capacity ranging from 1,000 Kgs to 1,80,000 Kgs.

Container loader for Granite industries to load the granite slabs to the closed container.

C' Hooks for handling steel coils.

Lifting beams for handling lengthy materials.



Product Gallery



Double Girder EOT Crane



Single Girder EOT Crane



Semi Gantry Crane



Gantry Crane



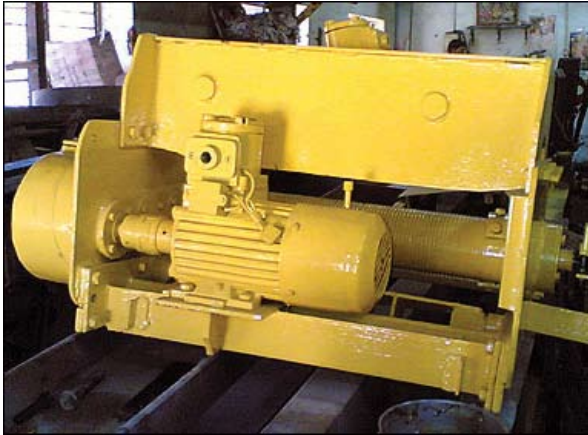
Jib Crane



Cage Lift



Product Gallery



Electric wire rope



Transfer Trolleys



PLC Control Crane with Grabler



Wire Rope Winch



Underslung EOT Crane



Infrastructure - Shop Assembly



Technical Feature

SALIENT FEATURES OF CENTURY FAB-TECH CRANES:

CRANE BRIDGE

The girders of the crane are of Box-type construction which has the following definite advantages:

I. Reliability

It is our shop practice to X-ray all the main butt weld joints of the web and flange plates of the girders. Thus 100% reliability of the welded joints is ensured.

II. Vibrations

The load when released from the hook of the crane causes invisible vibration in the girders. These vibrations if not arrested within a short time, are easily transmitted to mechanical and electrical components and also to the gantry girders rail. This phenomenon causes detrimental effects on the performance of the crane.

We incorporated special design to damp the vibrations in less than 15 seconds in the general purpose cranes. This design feature is vital for the smooth performance of the crane.

III. More torsional rigidity

Heavy torsional moments due to starting, stopping and plugging of long travel mechanism and also eccentrically placed masses like long travel machinery etc., Calls for torsional rigid girders. Box girders have much more torsional rigidity than any other type of girder construction.

MOTORS

For all the motions, totally enclosed slip ring / squirrel cage type half hour rated motors will be provided. The motors are impregnated with 'F' Class insulation, suitable for tropical climate, high humidity and designed as per latest ISS.

GEAR BOXES

The maximum transmission efficiency is achieved by providing totally enclosed, split type, machine cut heat treated gears and pinions running in oil bath. CENTURY FAB-TECH provides HR & VR series gear boxes which are specially designed for each motion and service duty. All gear boxes standardised to achieve inter-changeability of gears for the different gear boxes.

BRAKES

The hoisting, cross travel and long travel motors are directly coupled to the respective gear boxes and on the coupling an Electro Hydraulic Thrustor operated brake is provided. The brake applies automatically when current supply is OFF.

BEARINGS

All the moving parts of the crane are supported on anti frictional ball or roller bearings and no recourse is made to the use of bush bearings. The cross travel and long travel wheels are fitted with specially designed spherical roller bearings which can withstand axial thrust in addition to radial thrust load.



ROPE DRUM

The hoist rope drum is of fabricated mild steel duly stress relieved, having Right and Left hand spiral grooves machined to suit the hoist rope. The drum will be of such size that there will not be more than one layer of rope on the drum when the rope is fully wound.

OPERATION

The Crane will be operated from the floor by suspended push button pendant. Close or open type cabin can be provided with master controllers for all motions at extra cost.

WHEEL ASSEMBLY

Special type bearing support blocks of 'L' type design (commonly known as 'L' type bearing) are provided on either side of CT & LT wheels. This arrangement can be incorporated only when complete speed reduction is through totally enclosed oil bath reduction gear boxes, which has already mentioned, are incorporated in our Cranes.

LIMIT SWITCHES

The hoisting motion of the crane is fitted with two-way rotary type limit switch to prevent over hoisting as well as over lowering.

The Cross travel and long travel motions of the crane are fitted with two way lever type limit switches to limit the movements within pre-determined ranges.

GEAR COUPLINGS

The entire transmission system on the output shaft of the cross travel and long travel gear boxes is designed with use of geared flexible couplings which have the following advantages:

- Simple in design and composed of few parts.
- No rubber bushes to require frequent replacement.
- It is self aligning with no binding action at any point.
- Simple to align, install and easy to maintain.
- Accurately engineered for ultimate performance.
- Exceptionally long life.

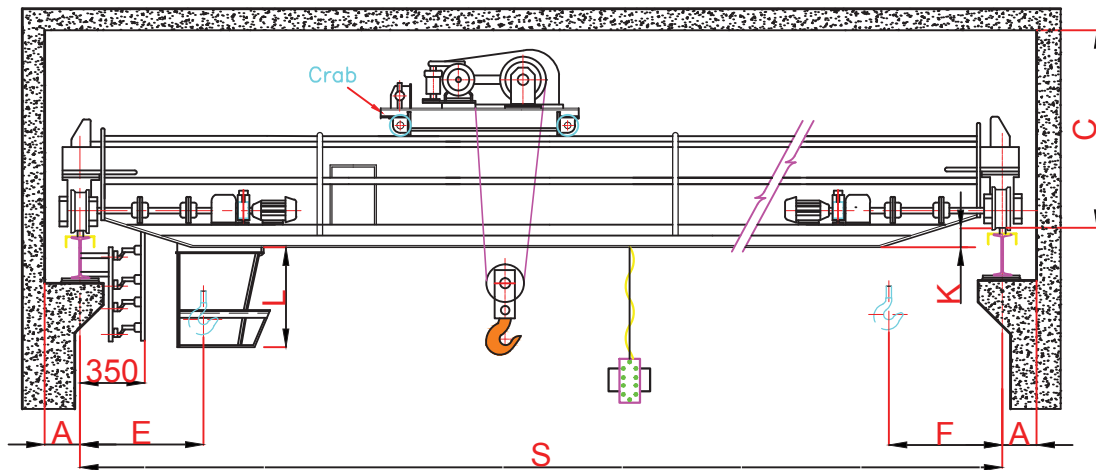
Our Quality

At Century Fab-Tech all our Crane Products are manufactured and tested in various stages for Production as per well spelled quality procedure.

The Quality of the components used and the excellent finish of the steel structures allow us to offer a product of superior quality, which is long-lasting and in line with the latest international regulations and Standards. We maintain strict measures and take all necessary precautions to maintain highest Standards of Quality.



TECHNICAL CHART FOR DOUBLE GIRDER E O T CRANES AS PER IS-3177 / 807 / 3938



Capacity Tonnes	Span	End Projection	Hook DSL side	Approach OPP. side	Head Room	Wheel Base	Girder Projection Below Rail	Driver Cabin Below Rail	Weight of Crane Tonnes	Max Wheel Load Tonnes
	S	A	E	F	C		K	L		
5.0	10500	250	1000	850	1700	3600	200	2300	10.2	6.1
	13500	250	1000	850	1750	3800	250	2350	11.5	6.1
	16500	250	1100	900	1800	4000	250	2350	12.3	6.6
	20000	270	1100	900	1900	4200	300	2400	13.7	6.9
	22500	270	1100	900	1900	4200	300	2400	15.7	7.5
10.0	10500	250	1000	850	1800	3800	250	2350	13.2	9.5
	13500	250	1000	900	1900	4000	300	2400	14.7	10.0
	16500	250	1100	900	1900	4200	300	2400	16.4	10.5
	20000	270	1100	900	2000	4600	300	2400	18.5	11.8
	22500	270	1100	900	2000	4800	300	2400	21.0	12.3
15.0	10500	270	1100	900	1900	4200	250	2350	15.8	13.4
	13500	270	1200	1000	1900	4600	300	2400	17.6	14.1
	16500	270	1200	1000	2100	4600	300	2400	19.7	14.3
	20000	300	1300	1100	2200	4800	350	2450	22.5	15.7
	22500	300	1300	1100	2300	5200	350	2450	25.4	16.6
20.0	10500	270	1200	1000	1900	4600	250	2350	17.7	16.0
	13500	270	1200	1000	1900	4800	300	2400	19.9	16.9
	16500	300	1200	1000	2200	4800	350	2450	22.1	17.8
	20000	300	1300	1100	2400	5200	400	2500	25.2	18.7
	22500	300	1350	1100	2400	5400	400	2500	27.8	19.4
25.0	10500	270	1200	1000	2000	4600	300	2400	19.9	18.7
	13500	270	1200	1000	2000	4800	300	2400	21.9	19.2
	16500	300	1200	1000	2200	4800	350	2450	24.9	20.8
	20000	300	1300	1100	2400	5200	400	2500	27.3	21.6
	22500	300	1350	1100	2400	5400	400	2500	31.8	22.9
30.0	10500	270	1200	1000	2000	4600	300	2400	23.3	23.2
	13500	270	1200	1000	2000	4800	300	2400	26.3	24.6
	16500	300	1200	1000	2200	5200	350	2450	28.1	25.6
	20000	300	1300	1100	2400	5400	400	2500	31.1	26.2
	22500	300	1350	1100	2400	5600	400	2500	36.0	28.1

- NOTE:**
1. All dimensions are in Millimeters (mms).
 2. Above specifications are for Class II (M5) medium duty cranes, with 6.0 meters height of lift.
 3. Above are our standard parameters. Crane could be manufactured to suit customer's requirements.
 4. Dimensions above 30 tones can be provided on request.
 5. We reserve the right to modify weights and dimensions.



Crane Dispatch & Erection



Our Reputed Clients

- ABB India Ltd (ABB LTD)
- ACE Designers Ltd
- Alpha Design Technology
- Aruna Industries
- BHEL
- BEL
- BFW Ltd
- Bentley & Remington
- Bhuwalka Steels
- Bhargavi Steel Castings
- CMTI
- Dakshin Foundry
- Grindwel Norton Ltd
- Garrison Engineers (India)
- Gannon Dunkerly Ltd
- Ganga Products
- HAL
- HMT
- International Stones Pvt. Ltd
- Integrated Electric Co Ltd
- Jindal Aluminium Ltd
- Jmc Projects India Ltd
- Krishna Fabricators
- M S Metals
- Malnad Alloys & Castings
- Narayana Hospital
- Pragathi Steel Castings
- Prism Castings
- Punja Petrochem P Ltd
- Ramprasad Tubes & Pipes P Ltd
- R P Metals
- Sparsh Hospital
- Sti Granites Ltd
- Sandfits Foundries
- Shalimar Agarbhatti
- Shimoga Piston
- Shanthala Machining Technologies
- Sagittarius Group
- Steel Sun
- SRV Automation
- S C Shettar & Sons
- Triveni Engineering
- Zass Exports



UNIT-I

#487, Kamakshipalya New Extension,
Basaveshwara Nagar,
Bangalore - 560 079.

Phone +91 80 23483882 / 23481546
Fax +91 80 23397555 / 23483882
Mobile +919845024601

UNIT - II

#16, 136/2, Kadabagere Cross,
Machohalli, Magadi Main Road,
Bangalore - 562 130.

Email info@centuryfabtech.com
cfabtech@gmail.com
Website www.centuryfabtech.com