

INTRODUCTION



REVA



A thing well done
is a reward on itself.

Culture of excellence

It was the decade of optimism. And in the early sixties, Reva took birth. Since then, the company has moved from one milestone to another. With the dedicated support of a team of enterprising engineers and workforce, Reva's products are manufactured in the state-of-art plant. The product spectrum includes EOT cranes, Electric Wire Rope Hoists, Jib Cranes, Goliath Cranes, Gear Boxes, Geared Couplings, Geared motors, Thruster brakes, Flexible Wheel Blocks and End Carriages etc.

Today, globalisation has made information processing cycle faster, leading to seamless product design manufacturing, planning and control of such functions. Plus, computers have led to computer integrated manufacturing comprising reometric modelling & drafting computer aided process planning, material requisite planning, process monitoring & computer aided inspection. And to rub our shoulder with international leads in material handling, we have reoriented our business, installed state-of art CNC machines & machining centers, computer system softwares & inspection equipment, etc.i, etc

E.O.T. CRANE

MANUFACTURING CAPACITY - UPTO 150 TONNES, 35M SPAN



ELECTRIC WIRE ROPE HOIST

MANUFACTURING CAPACITY 0.25T to 45T



Made strictly to FEM/ISO standards & exceeds IS standards.

Hardened & Ground Helical Gears in splash lubricated light fabricated body.

Robust Rope Guide to polish rope in spiral drum grooves under adverse usage.

Electro Mechanical load limiting device a optional feature in all Hoists.

Low Head Room/Fixed & Normal version with standard modules, Mono-rail Bi-rail versions.

Shot-Blasted & Epoxy coated for longer Paint life. Lifting height upto 100m available. Flame Proof Hoists conforming to IIA, IIB also manufactured.

Double Girder, Single Girder, Ungerhung, Goliath, Semi-Goliath Cranes for any use such as Magnet Cranes, Grab Bucket Cranes, Steel Mill Duty Cranes, Power Plants Cranes, Paper Mill Cranes, General purpose Cranes etc.

Our cranes are the closest to European Cranes in terms of features, specifications, manufacturing technology & inspection techniques. We opt for a 100% in-house production of all key components. Energy efficient for least electricity consumption. (You SAVE on electricity every time you use it.) An alloy steel Helical, Case Hardened Gears & Pinions designed with the help of software CMTI

Very high gearing life - silent running with all BENIFITS of HELICAL GEARING.

Perfect BALANCING leads to equal load on both beam flanges. Pro-Engineered on Pro-E for optamisation, safety and reliability.

UNMATCHED PRICE-PERFORMANCE RATIO

SINGLE GIRDER EOT CRANE
MANUFACTURING CAPACITY 0.25T to 25T



SINGLE GIRDER UNDERHUNG CRANE
MANUFACTURING CAPACITY 0.25T to 25T



GEAR BOXES



Weight/Power optimised due to use of case hardened steels of high strength. Bearings designed for the life time fitted on integral shaft pinions. Hardened and profile ground helical gears running noiseless in vibration free steel fabricated/graded cast iron gear box duly stress relieved and machined on precision machines. Special wave seals to prevent oil leakage & to stop ingress of dust while working out-door or in dusty environment prolong the life of all ingredients. For more details and calculation refer to our detailed catalogue

GEARED MOTORS



JIB CRANE



Reva manufactures a range of Jib Cranes such as a self supported Pillar Mounted Wall Pillar Mounted, Traveling cantilever wall cranes. These cranes relieve the overhead cranes for carrying out more useful work on the shop floor. Being designed on FEA these are extremely reliable & safe. These have standard 'REVA' Electric Wire Rope Hoist for lifting of loads. The lifting capacity could be in the range of 0.5 Tonnes to 10 Tonnes. Reva manufactures upto 10T capacity 7.5 boom length 60m height of lift. Jib cranes are available in 900, 1800, 2700, 3600 versions, can either be manually operated, electrically operated or semi electrical.

GOLIATH CRANE



The Goliath crane move on rails supported on floor level instead of rails placed at elevated level as in case of EOT Cranes. These are Custom Designed keeping in view customer requirements. Highest Capacity manufactured - 60T /Height 12M/Span 7M

CRANE-KIT

A user can BUILT OWN CRANE by buying readymade REVA Crane Kit, comprising of

- Hoisting equipment with cross travel mechanism
- End Carriage with traveling machineries
- Electrical Panel, Push Button Stations, CT DSL Cables with Trolleys
- Drawings for the Crane Bridge

All the possible help or on site deputation of engineers is available on request



MANUFACTURING FACILITIES



UNIT-1 Machinery



UNIT-2 Fabrication



CNC Shop



100 T Crane testing at works



Heat Treatment Shop



Saw Welding

Why Choose REVA ?

Because you value your money. Because we value your money too. Because the only class we deliver is world class.

WHAT WE GIVE

DESIGN

Parametric 3D Solid Modeller
Finite Element Analysis (Pro-Mechanic)
In-house development Softwares

HOISTING GEAR BOX

Helical Gearing at all stages
Brake coupled with motor
Low Carbon Alloy Steel Gears & Pinions Case
Hardened to 55-60 HRC
Profile ground teeth
Ground int./ext. Mounting Dimension

CT/LT DRIVE

Helical Gearing at all stages

CONTROL

Cabin/Pendant/Remote
Variable Frequency Drives,
manufacturing state of the art CNC
Turning centre, Maching centres,
Hobbing machining, Gear shapers,
Profile grinding, Welding on
MIG welding machines

PLAIN FACTS

WHAT YOU GET

Virtual model, Quality product, Lighter weight, Saving on runway structure, Optimum section with liberal safety margins, Accurate & faster designing.

Better strength & silent running.
Longer life. No misalignment.
Better Physical properties, Fine grain size, Minimal Wear, Reduced size, Low cost on shed & allied equipments.
-Less prone to cracks.
-Minimal Wear. Increase impact strength.
Fine surface finish, Reduced vibration, Low noise.
Close tolerance, Less power consumption.
Radial & facial runout eliminated, proper assembly.

Better strength & silent running
Dust Proof, Less wear, Compactness.
Lubricated gear box.

Flexibility.

State of the art controls.



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