

# Electric Overhead Travelling Crane

Best in class **Electric Overhead Travelling Crane** by UTTAM

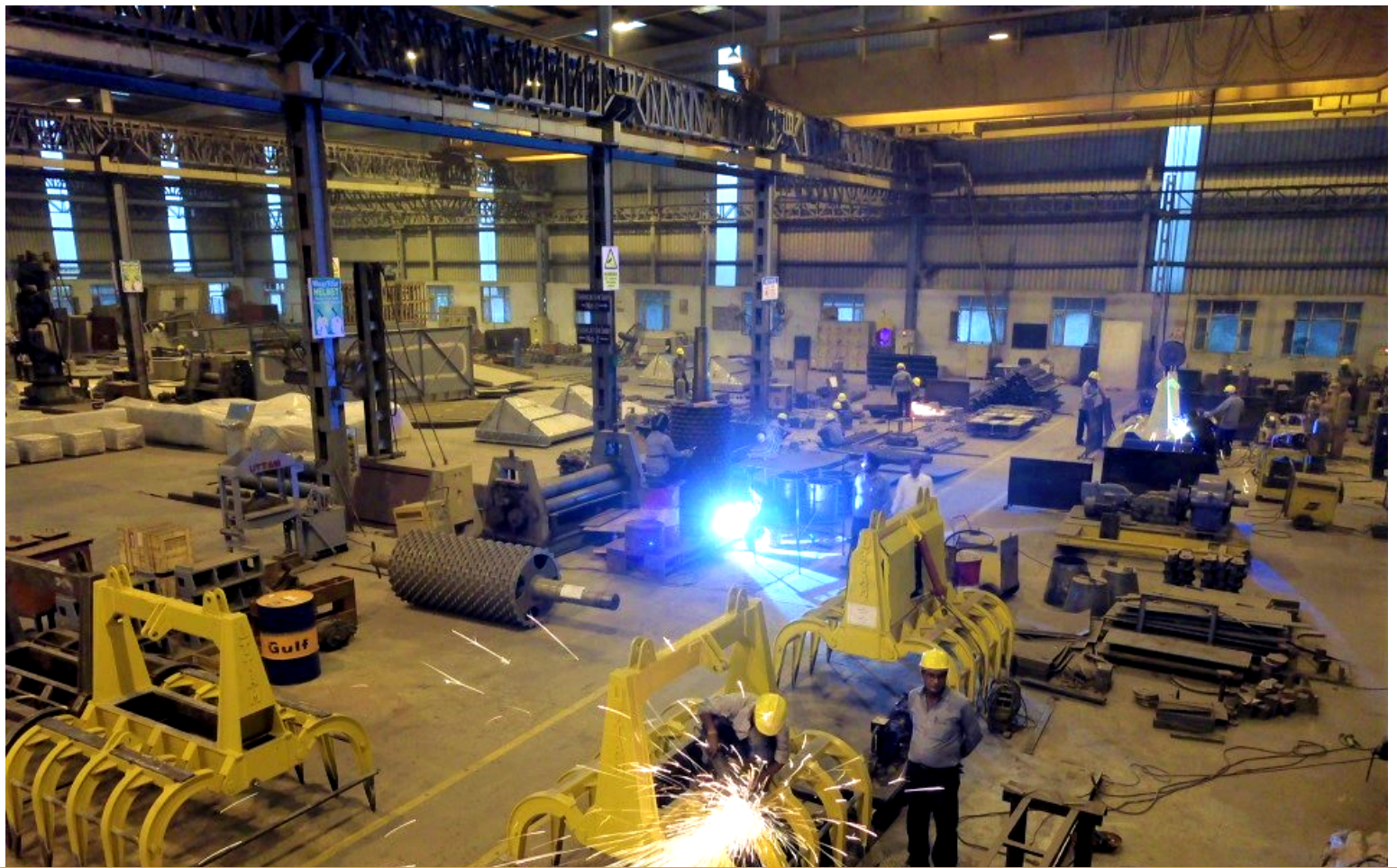


We design and manufacture a wide range of E.O.T cranes ranging from 5 ton capacity to 100 tons capacity.



Certified For Integrated Management System (IMS) by Lloyd Register UK

**UTTAM SUCROTECH**  
INTERNATIONAL



**Uttam Group** has been a leading sugar, power and alcohol equipment and machinery manufacturer since 1962. With satisfied customers all over the globe, the group is now one of the largest and most diversified EPC organizations. We are ISO - 9001 - 2015, 14001 - 2015, OSAS - 2007, Certified company.

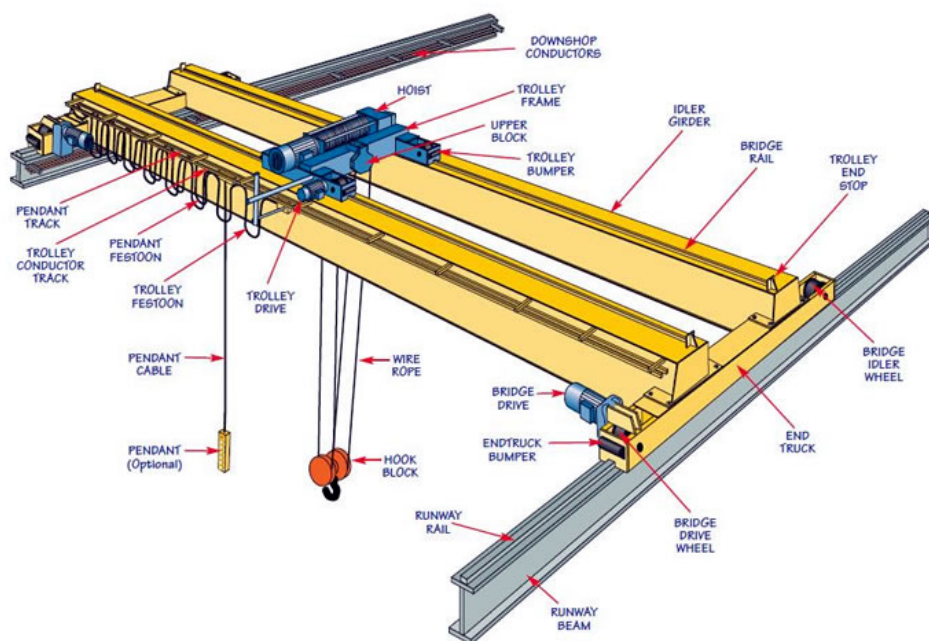
### UTTAM EOT CRANE

Uttam EOT cranes are custom - manufactured exactly as per the requirement of client. Easy to operate, these equipments provide long service life requiring minimum maintenance. Crane is designed and manufactured for class M5 duty as per IS: 807-2006 and IS: 3177-1999 and related Indian standard specifications. Each and every component is stage inspected before assembly.

### BRIEF DESCRIPTION

- Compact safe and reliable proven design with several installation worldwide.
- EOT crane of varying capacity between 5T to 100T.
- Pre-heating and post weld heating is done for stress relieving.
- All the welding process is carried as per ASME - Sec -IX by qualified welders.
- Equipped with limit switches for hoisting and lowering as well as travel in long and cross direction for safeguarding.
- Electro hydraulic thruster type brakes are being used for dynamic braking of motion for the safe and reliable lifting.
- All finished surfaces of forgings are smooth and free from all defects. Relevant tests are conducted.
- All castings done is of fine grain quality.
- Easy to install and have maximum rigidity while in operation.





## WORKING :

There are three working movements of EOT crane- crane hook up and down lifting, trolley lateral movement and crane long travelling longitudinal motion.

The motor exhibits a driving force of hoisting mechanism. This transmits the power to high speed shaft end. The ring gear transmits the driving force and then with the help of pulleys and wire ropes the crane hook is driven up & down. Similarly, half gear coupling, its joint and compensation shaft help in rotating trolley wheels.

## SPECIAL FEATURES OF UTTAM EOT CRANE:

- Manufactured under IS 3177 & IS 897 or equivalent
- Wider span with Ramshorn and C shank hook
- Wide range of hoist capacity
- EN-8 forged material wheel to improve fatigue strength
- Can be operated in two modes:
  - By pendant type push button station operating from ground level
  - By radio remote-control Push-Button station operation mode will be selected by selector switch.
- Brakes: -
  - Two nos. of electro hydraulic thruster Brakes for each main & auxiliary hoist.
  - One no. electro hydraulic thruster brakes each for cross and long travel.
- Low power motor equipped with helical gear for smooth torque transmission.



## State-of-the-art Manufacturing facilities

Uttam's 2 work-shops are modern and equipped with CNC machines, plasma & laser cutting & drilling machines, state-of-the-art fabrication and plate-roll facilities.

All welding is done by trained welders, who are periodically upgraded for high-quality welding for MIG, TIG and SAW welding. All welding is done as per ASME (SEC IX) standards

Latest in-house shot-blasting and painting booths ensure a superior finish for a longer protection for all fabrication jobs, including EOT cranes.

### UNIT 1: Ghaziabad

Total Area  
151,767 sqft

Covered Area  
77,339 sqft

### UNIT 2: Ghaziabad

Total Area  
176,851 sqft

Covered Area  
74,917 sqft



## Some of our EOT crane customers - International and Domestic

BAJAJ HINDUSTAN LTD, KINAUNI, MEERUT (UP)  
DHAMPUR GROUP, DHAMPUR, BIJNOR (UP)  
PT. PERAEDUNAM NUHANTARA XI Indonesia-PG DJATIROTO  
WEST KENYA GROUP, NAITRI, KENYA  
WHITE NILE SUGAR MILL Sudan  
HORYAL INVESTMENT HOLDING CO. LTD. Uganda  
JAI PRAKASH ASSOCIATES LTD  
KINYARA GROUP, Uganda  
AMBALIKA SUGAR MILL (MAHARASTHRA)

UTTAM SUGAR MILLS LTD, LIBBERHERI, UTTARA KHAND  
KISAN SAHKARI CHINI MILL LTD, NANAUTA, SAHARANPUR (U.P.)  
HARINAGAR SUGAR MILL LTD HARI NAGAR, VIHAR  
ASSALAYA COGEN PROJECT, SUDAN  
INDIRA S.S.K LTD, SOLAPUR (MAHARASTRA)  
PRIYADARSHANI S.S.K LTD, LATUR (MAHARASTRA)  
LOKNETE BABURAI PATIL S.S.K LTD, SOLAPUR (MAHARASTRA)  
NARANJA S.S.K LTD, BIDAR (KARNATAKA)

## UTTAM SUCROTECH INTERNATIONAL PVT. LTD.

An ISO 9001 . ISO 14001, OHSAS 18001

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System (IMS) by Lloyd Register UK