

# EOT CRANE FOR MATERIAL HANDLING

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# WHAT IS EOT CRANE?

The full form of EOT is Electric overhead travelling crane. EOT crane means Electric overhead travelling crane. It is generally utilized as lifting gear for material lifting in the workshop, warehouse, stockroom and material field. The operation of EOT crane is developed in rectangular longitudinal operation along both sides of the rail laid on the hoisted outline, while the lifting trolley can understand flat operation along the rail laid on the crane traverse structure. It is made up of steel plants, rolling mill, thermal power plants, hydraulic power plant, nuclear power plants; this type of cranes can be available.



# WORKING OF EOT CRANE

EOT cranes are working principle framework comprises of many thing for working movement. As Crane hook up and down lifting trolley horizontal development and crane long traveling longitudinal movement. The main impetus of hoisting mechanism is from motor. It transmits power to the rapid shaft end of reducer by apparatus coupling pay shaft and break wheel coupling. At that point through reducer to decrease the high transformation of engine to the required unrest and yield by low speed shaft of reducer. The ring apparatus of drum transmit main thrust to drum set then through wire ropes and pulleys drive crane attach and down in order to complete the lifting of the heavy object up and down.



- Easy to remove and replace wearing parts
- Simple construction
- Short headroom
- Positive splash lubrication
- Easy maintenance
- Moderate cost
- Easy moving





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# APPLICATION OF EOT CRANE



Workshop



Shipyard



Mining Industry



Construction Industry

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# OTHER TYPES OF CRANES

- Gantry Crane
- Hydraulic Floor Crane
- Single Girder overhead Crane
- Double Girder Overhead Crane
- Trolley Crane
- Goliath Crane
- Jib Crane



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