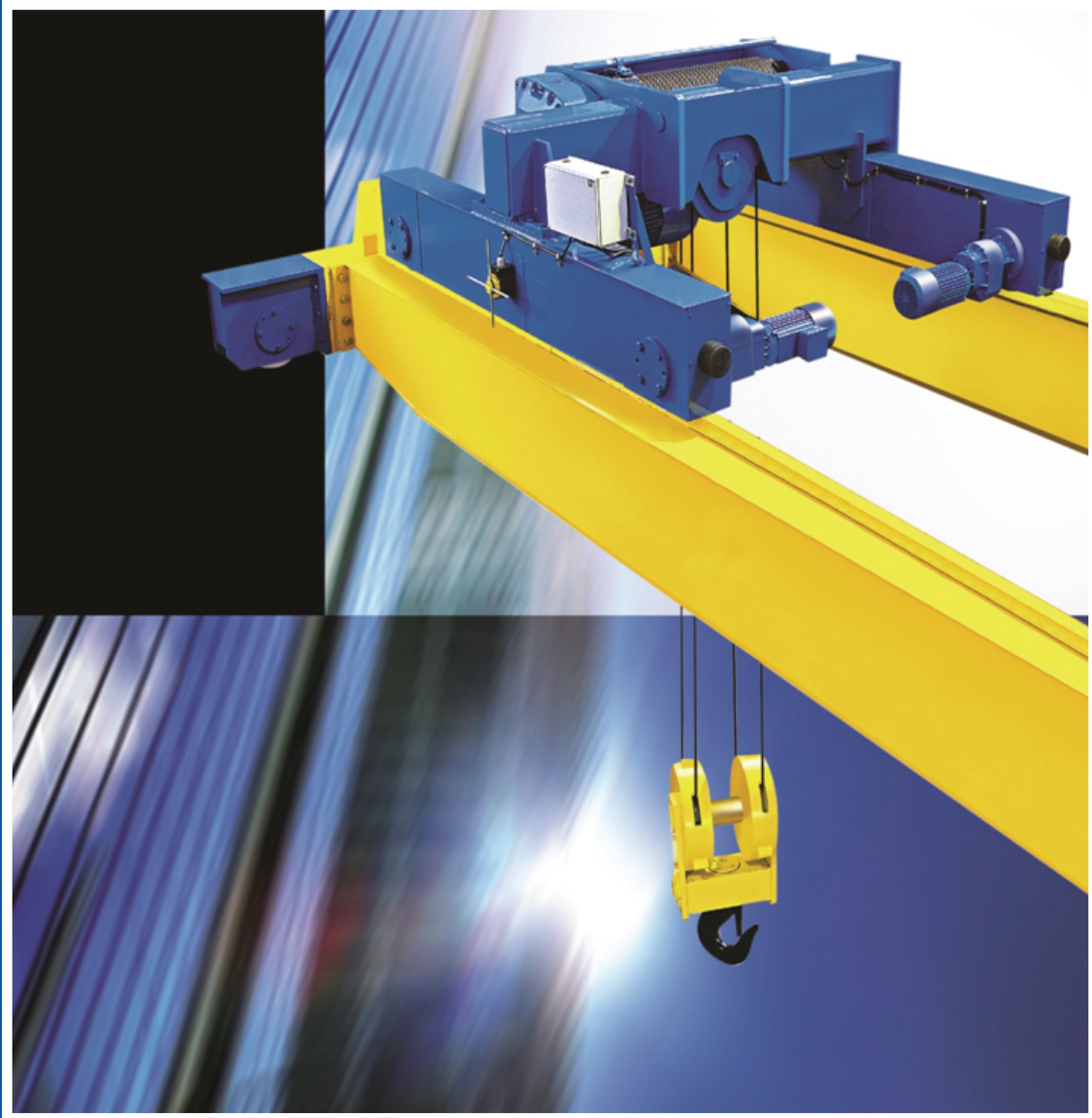


P P ROLLING MILLS
MFG CO PVT LTD

INDIAN ENTERPRISE GLOBAL STANDARDS



DOUBLE GIRDER EOT CRANE

PP ROLLING MILLS MFG CO PVT LIMITED

The crane components are manufactured in our state of the Art facility spread over 250,000 Sqft of area with the latest machines and testing facilities. Modular design, critical bought out items from the leading European manufacturers and optimized crane weights complement the quality product with operational excellence, safety and economy.

Our experienced team of Engineers is always keen to provide you the best solution for your need of an EOT Crane.

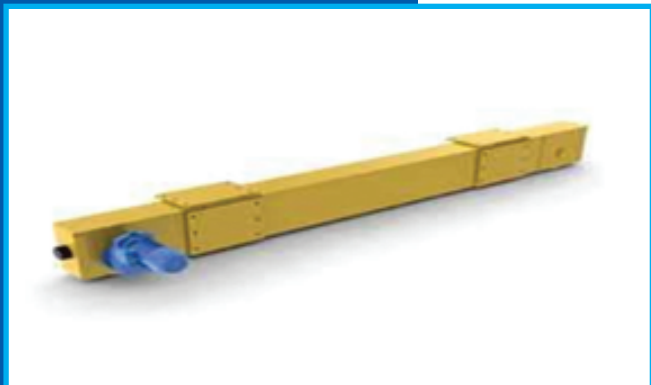
Unique Features

- European Design to meet International Standards.
- European make Geared brake Motors. Compact unit for Hoisting, CT & LT motions.
- All gears are hardened & profile ground for higher efficiency.
- Compact, durable and modular drives for all three motions.
- Optimised design of Box Girder.
- Lower LT wheel Loads to have substantial savings in Building structure and foundations.
- Power efficient design of the cranes.
- No maintenance cranes with longer life and smoother operations.



An **Industrial Crab Unit** or compact designed crab unit for the medium load capacity range, with articulated end carriage joints ensure positive contact of all four wheels with the track. This has two direct drive cross travel motors. Crab units are available in load capacity up to 50 tons.

- Fitted with European hoisting and travel drive units.
- Two lifting speeds in 1/6 ratio.
- Two trolley speeds in 1/4 ratio.
- Two upper and two lower precision limit switches.
- Heavy duty wear resistant rope guide.
- DC rectifier brakes.
- Very compact design.
- Standard crab is low head room type.
- All crabs are with articulate joints for equal loading on all four wheels.
- All crabs are with two drives for cross travel.
- High capacity twin drive crab units are also available.



End Carriages are modular box type construction, completely machined giving perfect alignments and tolerances.

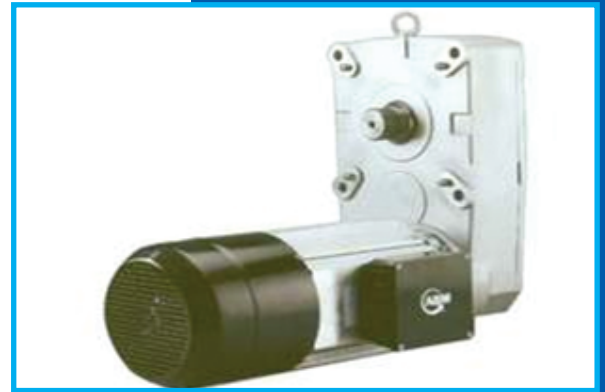
- Forged wheels in CK 45 material are supplied.
- European origin Drive units with two speed features are provided.
- Gear Drives directly coupled to wheels through splines.
- Soft Start/Stop feature.
- DC Disc Brakes are used.

CT / LT Drive - Gear Boxes are made of leak proof enclosure housing. These are Splash Lubricated. Mineral Oil/Synthetic oil is used for longer replacement time. All motors are Crane Duty, Sq Cage suitable for VVVF Drives, 40% CDF, 150 start/hr, IP-55 enclosure European make

2 Nos Geared Brakes Motors European make are used at both end of Crab Trolley. These are mounted directly on CT Wheel driver.

Forged C55 Mn75 material suitably hardened are used for Crab trolley and Crane movements.

DC Disc Brakes (Fail Safe Type) European make mounted on motors with manual release.



- Main Girder** : Standard Beam or Box Girder as per Selection. Box Girder are fabricated from high tensile material. The girder is designed using the latest software with optimum weight for economic Civil Construction.
- CT Rail** : Square Bar or Flat Bar is welded at a proper location on the box Girder for Cross Travel movement of the Trolley.
- Crab Trolley**: Crab Trolley is made of fabricated structure. The structure is properly machined with a modular efficient hoisting unit.
- Rope Drum** : Made of Seamless Pipe.
- Hook Block** : Heavy Duty Steel Forged 'C' or Ramshorn type hooks as per requirement supported on thrust bearing for free swiveling with safety latch. Hook Block is enclosed in sheet metal enclosure.
- Panels** : Totally enclosed dust and virmin proof control panel houses. AC 3 Duty reputed makes of switch gears transformer etc as per requirement. Panels for outdoor applications are also designed and manufactured as per the specifications of the crane on specific request by customer.
- CT DSL** : High Quality drag chain is used for CT DSL/ Crab Trolley Power Supply.
- Control** : As per the requirement the crane can be designed as Pendant operated / Remote Control operated or Cabin operated.
- LT Rail** : LT Rail or Square Bar as per customer Requirement is supplied on specific Request.
- LT DSL** : Angle Iron Type , Shrouded Bus bar Type (GI or Copper), Festoon Cable system options are available for LT DSL as per requirement.

PPRM has been providing complete project solutions (Design, manufacturing and Mill Commissioning) for Bar, Rod and Section mills for the Past 25 years. Our team of highly qualified and experienced design engineers is instrumental in providing value added solutions for Rolling Mill Industry. PPRM has modern facilities with some of the best European made machines equipped with Latest CNC & digital readout systems. This coupled with strict quality control procedure ensure quick and smooth implementation of projects.

We have expertise to Design, Manufacture and Commission Section, Bar and Rod Mills for capacities up to 1,000,000 TPA. We have established our infrastructure to manufacture all equipments for such a project.

PPRM has been manufacturing Double Girder EOT Cranes up to a Safe Working Load of 50 T for :

- Steel Industry
- Power Industry
- Heavy Engineering and Manufacturing Industries.
- Automobile Industry
- Cement Industry
- Paper Industry

The cranes are designed for operations such as Erection and Commissioning Jobs, Maintenance Jobs, Raw Material Handling, Finished Material Handling and other industrial applications in normal and Non Hazardous areas.

Indian Enterprise Global Standards



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