

Cranes for peak performance

MHE-Demag portal cranes are designed for a comprehensive range of applications including indoor and outdoor usage. Standard and special portal cranes are manufactured and used in a wide variety of industrial situations. Some examples of typical applications include bulk handling of pipes in ports; loading and unloading of any sizes of steel coils; stacking sheets, plates and sections according to size and quality; sorting and classifying scrap for smelting; transshipment of containers by rail or road; handling of concrete beams for building of flyovers and mass rapid rail transportation systems, and handling of prefabricated concrete structures for the construction industry.

Many of the material handling functions mentioned above are performed in open areas. Long and cross travel motions are possible simultaneously, enabling loads to reach their destination by the shortest possible route within the shortest time, thus improving handling efficiency. Portal cranes which may be designed with or without cantilever arms can be supplied with special load attachments. Cantilevered portal cranes allow the crane operating area to be increased. The crab can travel via the cantilever arm by simply passing the load between or to the side of the portal legs and depositing it on trucks, rail cars or barges for onward transportation.

MHE-Demag being a pioneer of material handling equipment and solutions in this part of the world also provides customers with its years of experience in the area of installation, load testing, commissioning and after-sales support.



An 86m span container crane handling empty containers.



A full portal crane with an extended cantilever arm to load and unload materials onto barges.



A specially designed crane for the construction of light rail train concrete structures. The crane can negotiate curves with varying span.



A 10t x 12m span full-portal crane handling and storing cable drums in a stockyard.



A semi-portal crane using magnets to handle metal plates.



A C-shape crane with a load attachment to handle concrete beams.



A full portal crane with a span of 60m and SWL of 100t in a shipyard.



An 80T crane used to manufacture pipes for a hydroelectric power station.



Single girder portal cranes designed for handling concrete slabs in a prefabrication yard.



A mould-changing semi-portal crane in an automotive plant.

Portal Cranes | Maximising working area



A full portal crane designed for the construction industry, Thailand.



A 2 x 140t / 10t C-shaped gantry crane designed for special application in a pre-fabrication yard for Singapore Mass Rapid Transit Project.



A 40 t portal crane equipped with spreader for container handling, Malaysia



A 20t full portal crane used for ship fabrication and repair, Philippines.



A full portal container handling crane with motorised cable reels in operation in a coal terminal in Indonesia.



2 units of 70t x 20m double girder full portal cranes used for the construction of a tollway in Bangkok, Thailand.



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