

ORIENTAL

Customer-First

The best Master in Shipbuilding & Marine

SHIP MACHINERY



Oriental Precision & Engineering Co., Ltd.

Ship Machinery



Hose Handling Crane (Ram Luffing)

This electro-hydraulic driven hose handling crane is manufactured and tested in compliance with the requirement of "OCIMF" and "Lifting Appliance."

The OPCO's hose handling crane, designed with compact and durable construction, has the best advantage of handling oil hoses for the tankers/carriers such as VLCC, ULCC, LNGC, LPGC, and more. The lifting capacity is available up to 25 tons with a max. jib length of 30m, and the "Endless" slewing angle is available.



Provision Crane (Ram Luffing)

This crane is an electro-hydraulic driven self-contained power pack, cylinder luffing type, used generally for the handling provisions and engine spares for most ships, and manufactured & tested in compliance with requirements of lifting appliances.

The OPCO's hydraulic provision crane has a lifting capacity of up to 12.5 tons and reaches 22 meters.



Provision Crane (Electric, Wire Luffing)

This electric-driven, wire luffing jib crane is manufactured and tested in compliance with the rules of lifting appliances and used for handling provision and engine spares for all ships.

The OPCO's provision crane has a lifting capacity of up to 12.5 tons and an outreach of up to 22 meters. The crane slewing post is mounted to the fixed base (pedestal) utilizing fasteners with ball bearing slewing ring, fixed slewing gear, and pinion. All other fittings are designed and manufactured by OPCO's standards.



Deck Crane (2-Ram luffing + Personnel Transfer)

This electro-hydraulic driven hose handling crane is manufactured and tested to comply with "OCIMF" and "Lifting Appliance" requirements.

The crane, designed with compact and durable construction, has the best advantage of handling oil hoses for tanker ships, VLCC, ULCC, LNG, and LPG carriers.

The lifting capacity is available up to 25 tons with a max. jib length of 30m, and the "Endless" slewing angle is available. In addition, personnel handling operations must only be performed using baskets or carriers specially designed/certified.



CRANE for extreme low temperature environment (Hose Handling/Provision/Deck Cranes)

The crane is a type equipped with a power pack driven by electro-hydraulic and is made of parts and materials for extremely low-temperature environments so that it can operate smoothly even in cryogenic outdoor temperatures of -40 to -52 degrees Celsius. In addition, the winterization heating system is also applied to the interior, where major crane parts and the driver's cabin are. The crane's product performance and reliability evaluation certification is obtained by utilizing polar environment performance test facilities and designed and manufactured to meet the regulations of the classification society.



Lattice Boom Cargo Deck Crane

Pedestal mounted oriental offshore crane is designed and manufactured in compliance with the latest international standards for offshore cranes with certification requirements by all leading classification societies. Additionally, the optimal design is available to various sea states and offshore conditions.



Cargo Deck Crane

A Deck crane is a piece of critical equipment for the loading and unloading operation of a cargo ship, and the crane is installed on the bulk carrier or container ship. It is a piece of complex machinery with hydraulics and an electric system.



Travelling Cargo Jib Crane

The Gantry Crane is a large Crane for a port with a support device consisting of a jib, trolley, and hoist and moves by using the rails at the bottom.

Ship Machinery



Box Boom Cargo Deck Crane (Electro-Hydraulic Type)

A Deck crane is a piece of critical equipment for the loading and unloading operation of a cargo ship, and the crane is installed on the bulk carrier or container ship. It is a piece of complex machinery with hydraulics and an electric system.



Knuckle Boom Jib Crane

The Knuckle Boom Type Crane of Cylinder Luffing Type, produced by OPCO, is a specialized crane designed with Knuckle Jib and Articulated Jib structures that can be operated extensively in small areas.



Telescopic Boom Jib Crane

A telescopic jib crane is a provision crane handling provisions and engine spares for most ships.

The telescopic jib crane has the advantage compared to the standard provision crane because the working radius can be adjusted by a telescopic cylinder installed into the jib.



Monorail Hoist Crane: Electric with Personnel Transfer

This sliding beam monorail crane is manufactured and tested in compliance with the rules of lifting appliances and is used for handling provisions and engine spares for container ships, tankers, and VLCC.

The OPCO's monorail crane has a lifting capacity of 15 tons and reaches up to 7.5 meters from the ship's parallel body. Personnel handling operations must only be performed using baskets or carriers specially designed/certified.



Engine Room Crane (2 Hook + 2 Trolley Type, Personnel Transfer)

This 2 hook & 2 trolley type crane is manufactured and tested in compliance with the rules of lifting appliances and specifically configured for the maintenance of the main engine. The height of the hook required for overhauling purposes is a significant parameter. The OPCO's engine room crane has a lifting capacity of up to 15 tons and a crane span of 9.8m. Two hoisting speeds, including creep speed, are available for maintenance and controlled by an RPB suspended from the crane.

Personnel handling operations must only be performed using baskets or carriers specially designed/certified.



Deck Machinery

The winch & windlass, the high-pressure hydraulic winches & windlass, are designed/manufactured in compliance with the rules and regulations of the classification society, ISO, and OCIMF. The capacity of the mooring winch is available up to 35 tons.

High-Pressure type
Low-Pressure type
Electric type
Self-Contained type



Life Boat Davit & Winches: Hinged Gravity

A gravitational-depression type Davit, designed into a precise and robust structure, has the best condition to control the equipped lifeboats on Tanker, BC, Ro-Ro ships, passenger ships, and CONT.



Life Boat Davit & Winches: Free Fall

A Freefall davit, located at the stern of a ship, is designed to launch the lifeboats on a Tanker ship and BC by its gravity.

ORIENTAL PRECISION & ENGINEERING CO., LTD.

Efficient Lifting Equipment, Deck Machinery, Engine Room Cranes

Oriental Precision & Engineering (OPCO) designs and constructs cranes and davits at its 6-acre manufacturing facility in Busan. Today, the company is the world's largest ship machine producer, pumping out 1,100 cranes, 50 deck machinery products, and 440 boat davits yearly. However, not content with its current success, OPCO is researching and investing resolutely to enter the offshore structure machinery market.

Products

Lifting Devices (Marine Cranes), Deck Machinery, Engine Room Cranes, and Life-Saving Appliances.

OPCO supplies high-quality marine cranes, including deck cranes, hose handling cranes, provision cranes, monorail cranes, deck machinery, engine room crane, lifeboat davit, freefall boat davit, and rescue boat davits

Main Item / Machinery

Land / 23,731m²

Building Area / 13,595 m²

Manufacturing Products

Deck Crane	Hose Handling Crane	Life Boat Davit
Knuckle Crane	Monorail Crane	Free Fall Davit
Provision Crane	Engine Room Crane	Life Raft & Rescue Davit

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After Sales Service Network

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Quality is the essence of every OPCO product and the reputation of our business. A product should be deemed acceptable only when it satisfies you, the client, very well. Your complaints and claims are the most precious gift to us, as what you're pointing out as unsatisfactory in our product is what needs to be improved. Our business benefits only when these complaints are properly addressed.

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With a great dream towards a brighter future
And for your success the journey continues

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