

BUILDING

CONSISTENCY

IN COMPONENTS



**COASTAL PACIFIC CRANE
& HOIST ENGINEERING LTD.**



**STANDARD AND
CUSTOM CRANES
DESIGNED
FOR HIGH
PERFORMANCE**



This cable reel, driven by a counterweight, operates on relatively low-tech engineering principals. The simplicity of design ensures virtually trouble-free operation.

INTEGRAL DETAILS ENSURE THE RIGHT

Is there anything more important to your material handling needs than a durable, reliable crane?

Many factors in crane manufacturing must be carefully considered – including integral design details – to ensure the best fit for your operation. That's why companies who want to maximize their capabilities turn to Coastal Pacific Crane & Hoist Engineering Ltd.

A key attribute of crane design and operations is consistency. Coastal Pacific Crane manufactures all the steel parts at our own plant. And because all the components for every crane are carefully documented, we can quickly find the corresponding serial number, should you have a problem or an adjustment to make.

BETTER PERFORMANCE, LOWER COSTS

We know our components and hoists so thoroughly, we can build all kinds of customized models using standard parts. In addition, the unique design of **Gantron Hoists**, developed and manufactured by our firm, enables us to fabricate components around the hoist motor – not the hoist itself. These benefits ensure optimal versatility and performance while keeping costs down.

The principals at Coastal Pacific Crane are actively involved in every project the company undertakes. With our extensive knowledge of mechanical, structural and electrical engineering, we have the ability and experience to provide customers with cranes and hoists that meet their specific applications.



These single girder cranes were installed at the casting yard that produced massive concrete girders for the multi-billion dollar Skytrain extension in B.C.'s Lower Mainland. All the cranes have 84-foot wide spans.



This series of shots demonstrate the versatility and ease of erecting a gantry crane. The crane had been assembled on the ground and lifted into place. Once erect, all that was required to complete

FIT FOR YOUR OPERATION

In addition to our CAD catalogues, we are continually upgrading our software, and have developed exclusive engineering analysis programs.

We have the talent and resources to build single girder and double girder cranes, top-running and under-running cranes, or build any hybrid design.

- Bridge Cranes
- Extender Cranes
- Gantry Cranes
- Monorails
- Jib Cranes
- Wall Running Jib Cranes



These four under-running multi-span cranes were designed for a boat-builder in the U.S. The girder is hinged at the point of maximum roof deflection to ensure the crane does not lose contact with the rail on either side.



This overhead crane was custom built for an LVL manufacturer in the U.S. The wood sheets measure 60 feet long and four feet wide.



A unique feature on this double-girder gantry crane is the uneven legs. The client preferred to have one leg sit on an elevated block to prevent some mechanical equipment from getting clogged by dirt.

process was inserting bolts into one leg. Both cranes were instrumental in building the new airport in Hong Kong.

FINDING SOLUTIONS TO IMPOSING CHALLENGES

Many operations require features unavailable in standard cranes. The dimensions and slope of the site, the kind of material being moved, and the type of building or storage area can determine the model and design of a crane. Coastal Pacific Crane has the track record, and the ingenuity, for finding answers to the most imposing obstacles and challenges.

Whether your project requires specialized tooling, specific underhook attachments, or a unique end truck design to move materials more smoothly and efficiently, we'll find a cost-effective solution.

Some material handling operations are at a premium for space. If required, we can cantilever crane girders tight to a wall for maximum hook coverage. If height is a concern, we'll ensure the hoist is at the highest point of the crane to utilize space just below the ceiling. We've resolved particularly difficult movement and turning problems in mines and mills. And we've built extender cranes that can be cantilevered in and out of small buildings or awkward spaces.

You'll find our cranes performing throughout North and South America, as well as countries such as Papua New Guinea, Nigeria and China.

We're confident the design and manufacture of our cranes measure up against the world's best. But should any problems occur, you can rely on Coastal Pacific Crane for unbending customer support and service to get you moving up to speed again.



This lumber grapple was designed for both single-sheet and multi-sheet handling.

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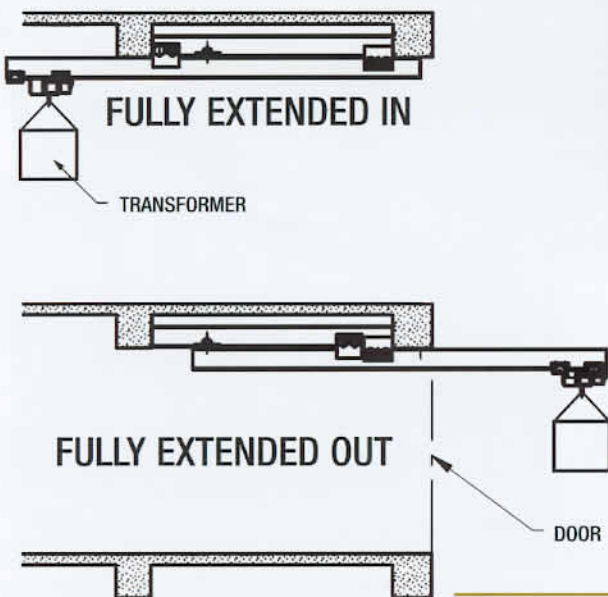
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Unlike conventional jib cranes, this wall-running jib crane is not restricted in an arc, so it can run down the full length of the building. Another crane above it can also travel unhindered because they do not share the same runway. Both cranes provide maximum coverage of the plant floor.



Low head room wall running jib crane.



This diagram illustrates the versatility of an eight-ton extender crane, which can move freely in and out of a building. The client, located in China, would not permit a picture to be taken.

