



PAPÉ MACHINERY FORESTRY EQUIPMENT

Features and Benefits

- Ultra-compact design
- Extreme low headroom
- Efficient operations
- Reliability

Industry Group:

Hoist Manufacturers Institute (HMI)

Overview:

Milwaukee Crane & Equipment has installed a custom, 10-ton capacity overhead crane at Papé Machinery's new construction and forestry equipment dealership in Ponderay, Idaho. The lifting equipment, manufactured by R&M Materials Handling Inc., had to accommodate extremely low headroom and satisfy the specifications that manufacturing giant John Deere requires of its distributors and regional partners.

"The crane has performed without fault for two months, lifting everything from John Deere combine harvester engines to excavators. Cranes are integral to our business, so the Milwaukee partnership is, and will continue to be, of tremendous value."

Quinn Closson

Papé Machinery



Ultra-compact double girder under-running hoist design

The top running double girder crane with an underhung nested trolley was supplied with a foot-mounted, four-part single-reeved wire rope hoist that had to offer at least 20 ft. of hook height, a further John Deere stipulation. Milwaukee and R&M had to improvise during the latter stages of the building's construction project, as it became apparent that the runway dimensions, direction of travel, and coverage area of the crane were altered versus the original plan.

Dylan Howard, sales manager at Milwaukee, explained that this amounted to the building corbels being raised by 6 in. Instead of 30+ in. of headroom for the crane, only 23 in. was available, minus 3 in. to conform to OSHA requirements. "For the Ponderay site," Howard said, "we were involved from early in the building's design process so we requested 30 in. of headroom. When it was apparent that the runway construction was altered somewhat we had to use our ingenuity to provide a solution at what had become a short lead-time. R&M was able to accommodate our custom requests and the equipment was delivered to us ready to install within six weeks of placing the order."

The crane, which has been operational since January 2018, incorporates custom lasered girder connection side plates and an enclosed track conductor bar, which permitted only 9 in. of horizontal cope in the beam. It is the only crane in the building and it serves the three northern bays (four, five, and six) of the workshop. This floor coverage increased the value of the crane and lowered the initial cost owing to a shorter length runway system.



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