

Logporter cranes

Improving logyard efficiency



Improve your logyard efficiency with a Logporter crane

Forest product companies are constantly challenged to improve productivity and reduce operating costs. The log yard operation is often bypassed as a place where capital expenditure can produce large paybacks. As fuel costs continue to rise and labor shortages present management challenges, log handling operations merit closer scrutiny.

Employing a Logporter as your primary log handling equipment typically slashes woodyard operating costs by more than half.



Benefits

- Less Manpower
- Less Equipment & Maintenance
- Less Fuel cost
- Faster Cycle Times
- Smaller Yards
- Less Breakage and Fiber Loss
- Less Environmental Impact

▪ Less manpower

One third of the manpower is required to operate a Logporter yard compared to a loader operated yard when each is processing an identical volume of logs.

▪ Less equipment, Less maintenance

One piece of equipment versus multiple loaders. A single crane (with the assistance of one loader for backup) can handle the unloading, storing and feeding of the mill. This typically reduces manpower requirements to one third.

▪ Lower energy cost

Log Cranes run on electricity. Eliminate the need to purchase expensive diesel fuel required by loaders.

▪ Fast cycle times

A crane can make as many in excess of 30 picks per hour (if travel distances are kept to a minimum). This allows for a high number of trucks to be unloaded when necessary. Cranes come equipped with storm brakes and can operate in all weather conditions and in wind up to 45 miles per hour.

▪ Smaller yards

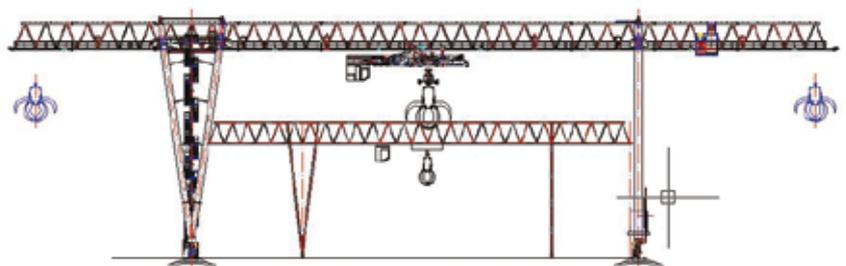
Log yards served by cranes require less land and less labor for identical storage volume while providing greater flexibility. The high stacking capability of the LogPorter™ (typically 55 to 75 ft) combined with the fact that the crane “lifts” over the storage pile eliminates the need for an extensive road network.

▪ Less breakage and fiber loss

Mills operating a LogPorter report less fiber loss and 75% less log breakage than yards operated by loaders. Treat your most valuable resource with the care it requires.

▪ Less environmental impact

Ground disturbance and contamination from mobile equipment can be a major concern. Since the electric powered portal cranes run on rail the soil stays undisturbed which eliminates ground and water contamination by wood fibre, fuel and oils.



Logporter cranes

Your wood management solution



Logyard inventory management

With the implementation of a Logporter crane your log inventory system can become fully automatic.

Defined input zones - output zones and storage zones work together with wood classification and can be detected automatically with default classifications.

By recording this data into the PLC it is easy to calculate tons received - tons placed on the infeed and tons placed to storage. Average age of inventory in each storage bin can also be maintained.

Reporting functions are tailored to meet the requirements from different operations and data can be exported into multiple formats.

Crane service monitoring

The ANDRITZ Crane Service Monitor system was developed to provide crane owners and users with advanced data acquisition and analysis features to support their log yard management and operations.

The features include PLC tag trending and queries, crane alarms and fault reporting, CSM is a fully automatic log yard inventory management and crane operations recording system.

Reports are designed to enhance and support preventative maintenance planning, operator performance, inventory, first in and first out and capacity evaluations.

Remote service options

The Crane Service Monitor Computer communicates via wireless Ethernet networks and records can be collected onto a dual hard drive storage for redundancy.

This PLC can also be used to remotely access the cranes PLC, drives and radios.

CSM also has a web interface that allows users to save and produce reports and file share automatically or manually as required.

Access is controlled using a secure remote access service.



Logporter cranes

Part of your complete ANDRITZ woodyard



The Wood Processing Group of ANDRITZ supports the Pulp and Paper, Panelboard, Pelleting and Biomass related Industries.

Our dedicated team of experts are on call and ready to serve you. Please contact us directly to find out more about our products and services.

- **Logporter cranes**
- **Truck dumps**
- **Infeed systems**
- **Infeed conveyors**
- **De-icing**
- **Slasher decks**
- **Debarking drums**
- **Rotary debarkers**
- **Chippers**
- **Reclaimers**
- **Stackers**
- **Stokers**
- **Screening**
- **Automation**
- **Grinder charging**
- **Bark processing**
- **Storage bins**

The Wood Processing Group of ANDRITZ is dedicated and focussed on sales, engineering, research, development, order execution, manufacturing and services. This dedication of personnel to the product line is the best assurance which can be provided for proper application of the product, competitive pricing, quality manufacturing, on time and on budget deliveries and long term expert service

Whether you are processing whole tress, wood chips or woody biomass starting with receiving and storage the Wood Processing Group of ANDRITZ will design and install systems or single equipment that meet all phases of your wood processing requirements to produce the highest quality chips, strands or pellets possible.

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