

PRODUCT FOCUS: TUKAN 750



THE CRANES

Two double jib level luffing cranes, TUKAN 750, were ordered from Eberswalde as the best solution for the Micorca dry bulk handling operation. The TUKAN 750 has been especially developed by the engineers at Ardel for working in inland ports. The cranes are electrically driven, rail-mounted and equipped with 4 rope grab hoisting gear. The TUKAN is optimised to reduce both power consumption and operational costs and engineered to minimise its environmental impact. The cranes are supplied complete with a power recovery system that is standard on all Ardel cranes.

The driver is able to unload manually or to use the semi-automatic mode in combination with anti-sway device. To further increase the efficiency of the cranes, a grab depth regulation system is installed to prevent over – and underloading of the grab.

CONTACT INFORMATION

ARDELT
HEEGERMÜHLER STRASSE 64
16225 EBERSWALDE/GERMANY

SALES@ARDELT.DE

THE CUSTOMER

Microca Kohlenstäube GmbH, founded in 2003, is one of only a few independent pulverizing companies working to produce hard coal and pet coke dust in Germany. The dusts are subsequently used as a cheaper alternative fuel in place of gas or oil, the material is used within the steel, cement and lime production industry. The company is located in Lünen on the Eastern Ruhr river, an important area within central Germany's industrial heartland.

THE TASK

Microca was awarded the contract for supplying coal to the TRIANEL power plant in Lünen. The coal will be unloaded at its riverside terminal for transportation to the power plant. The existing equipment operated by Microca was not efficient enough to achieve the required handling rate of 2 million tons of coal per year; therefore alternative methods of discharge were investigated.

The proposal was to install two small, compact cranes that could discharge coal from conventional river vessels into hoppers coupled to the cranes. The cranes would need to achieve excellent handling performance and be designed for the existing conditions. Efficiency and reliability were essential factors in the decision making process as the equipment would be key to the supply-chain process.

CRANE SPECIFICATION

HOISTING CAPACITY	MAX. 16 T
OUTREACH	MAX. 27 M
TRACK GAUGE	6 M
HANDLING PERFORMANCE	APPROX. 800 T/H

