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In a determined move towards environmental protection in a variety of industries, open stockpiles are increasingly being replaced by covered longitudinal or circular storage halls or silos. Following this trend, Baosteel Meishan has placed an order for four AUMUND rotary discharge machines BEW type LOUISE to extract coal from the silos as well as two additional AUMUND machines to extract coke from the covered coke storage.



AUMUND Rotary Discharge Machine BEW type LOUISE, block design with two discharge arms (illustration AUMUND)

The coal silos, each 21 m in diameter and 33 m tall, are arranged in two rows of 13. The machines which travel under these silos are designed with two discharge arms, permitting them to travel under all silos even if material is not being extracted.

The two other machines under the longitudinal storage for coke are of the same type, but will each have six discharge arms to maximise their service



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life. To combat the large amount of dust that is often produced when coke in particular is extracted, four of the machines will be equipped with the additional feature of a specially adapted dust suppression unit which sprays a fine mist of water to bind and control the dust.

As well as improvements in environmental protection, efficiency is another consideration which has led to the modernisation of the plant, as the high-volume silos take up the same surface area as the previous stockpile solution, but can hold four to five times as much material. "Over the past few years we have carried out optimisations of conveying systems for a range of customer requirements in the steel and energy producing industries", says Dr Rainer Bertling, Sales Director of the Metallurgy Division at AUMUND Fördertechnik.

About the AUMUND Group

The AUMUND Group is active worldwide. The conveying and storage specialists have special expertise at their disposal when dealing with bulk materials. With their high degree of individuality, both its technically sophisticated as well as innovative products have contributed to the AUMUND Group today being a market leader in many areas of conveying and storage technology. The manufacturing companies AUMUND Fördertechnik GmbH (Rheinberg, Germany), SCHADE Lagertechnik GmbH (Gelsenkirchen, Germany), SAMSON Materials Handling Ltd. (Ely, England), as well as AUMUND Group Field Service GmbH and AUMUND Logistic GmbH (Rheinberg, Germany) are consolidated under the umbrella of the AUMUND Group. In conjunction with the headquarters of the manufacturing companies, the global conveying and storage technology business is spearheaded through a total of ten locations in Asia, Europe, North and South America and a total of five warehouses in Germany, USA, Brazil, Hong Kong and Saudi Arabia.

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