

PRESS RELEASE

## **AUMUND Steel Plate Conveyor improves handling of Red-Hot Pellets at Grange Resources, Australia**

Rheinberg/Germany, January 2020

How can 500 tph of hardened iron ore pellets at 750°C be conveyed freely and continuously from the shaft furnace to the cooler? This was the question Grange Resources (Tasmania) Pty Ltd. was mulling at its pellet works in Port Latta. The solution was provided by AUMUND Fördertechnik GmbH supplying an AUMUND Pan Conveyor type KZB-H.



Material inlet situation at the kiln outlet at Grange Resources Port Latta Plant: From 2020 an AUMUND Steel Plate Conveyor type KZB-H will transport the iron ore pellets at a temperature of up to 750°C to the cooler. (Photo AUMUND)

The AUMUND Steel Plate Conveyor type KZB-H designed for hot material up to 1,000°C, at a length of 92 m and a plate width of 1,000 mm, will replace the existing belt conveyor at Grange, which previously had to have its belts changed approximately every 40 days, increasing production costs due to the frequent stoppages, on top of the expense of the new belts and the



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labour to change them.

One of the big challenges for AUMUND Fördertechnik was the difference in dimensions of the new Steel Plate Conveyor and the previous belt conveyor. It is important that the process stages are connected by optimised technical solutions because any shut-down of this conveyor would immediately stop the operation of the whole plant. The engineers of the AUMUND Metallurgy Division explained the design and process solution in a day-long evaluation meeting. This approach gave the AUMUND specialists an advantage over the competition. Another decisive factor in winning the order was accompanying the customer on visits to two reference plants.

Commissioning of the AUMUND Steel Plate Conveyor in Port Latta in north-west Tasmania is planned for April or May this year.

### **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. The global conveying and storage technology business is spearheaded through a total of 19 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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