

Ore sorter machine selected for Browns Range, FEED studies underway

Highlights

- Steinert ore sorter selected and deposit paid on chosen machine for Browns Range;
- Chosen machine is in stock in Perth, Western Australia;
- Nexus Bonum engaged to provide Front End Engineering and Design; and
- Subject to approvals, the Company aims to have ore sorter installed and commissioned by mid-2020.

Australian heavy rare earths producer, Northern Minerals Limited (ASX: NTU) (the **Company**) is pleased to announce that it has progressed its ore sorting project enhancement initiative with the selection of a Steinert ore sorter for use at Browns Range.

The selected machine is in stock in Perth, Western Australia and a deposit has been paid in order to secure it and avoid any lead time lags or delays.

Nexus Bonum Pty Ltd (**Nexus**) has been engaged to undertake the front-end engineering & design (**FEED**) for the inclusion of the ore sorter into the Browns Range Pilot Plant beneficiation circuit. Nexus has previously completed the feasibility study for the ore sorter system for the Pilot Plant.

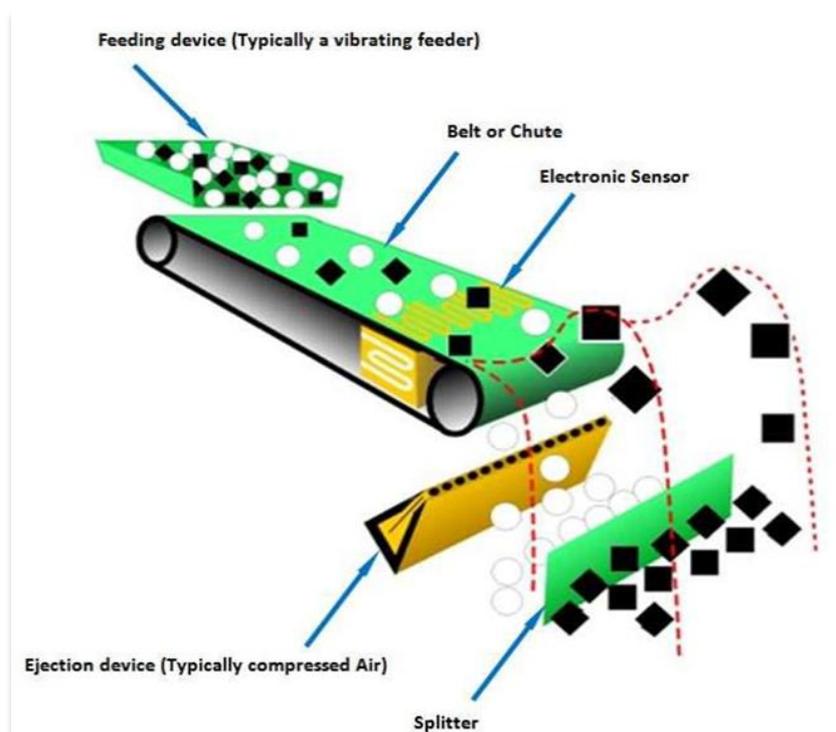


Figure 1: Schematic view of a typical ore sorter

As previously announced, the findings from initial test work and studies indicate that the inclusion of ore sorting at Browns Range has the potential to double the mill feed grade potentially leading to an increased production rate of heavy rare earth carbonate and a potential lowering of operating costs (see the Company's announcement dated 11 October 2018).

ASX ANNOUNCEMENT

The Company is currently working with stakeholders and regulators on obtaining the approvals required for the installation of the ore sorter at Browns Range and is aiming to have the ore sorter system installed and commissioned by mid-2020, subject to receiving these approvals in a timely manner.



Figure 2: Proposed location of ore sorting technology

Northern Minerals' Managing Director and CEO, George Bauk, said *"Following the recent capital raising, we have moved quickly to progress this critical piece of equipment that has the potential to be a game changer for the project."*

"Higher grades going into the plant would result in higher production rates and lower operating costs, a double win in terms of proving the economics of the Browns Range Project."

Compliance Statement – Ore Sorting Test Work

The information in this announcement in relation to ore sorting test work is extracted from the Company's ASX announcement dated 11 October 2018 (Ore sorting study shows potential to double the mill feed grade on Browns Range heavy rare earth stockpiles) and is available to view at www.asx.com.au. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement.

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ASX ANNOUNCEMENT

About Northern Minerals:

Northern Minerals Limited (ASX: NTU; Northern Minerals or the Company) has completed practical completion of the Browns Range Heavy Rare Earth Pilot Plant Project in northern Western Australia and commenced pilot plant production of heavy rare earth carbonate.

The Pilot Plant Project will continue to assist the company evaluate the economic and technical feasibility of mining at Browns Range, and will provide the opportunity to gain production experience and surety of supply for our offtake partner.

Through the development of its flagship project, the Browns Range Project (the Project), Northern Minerals aims to build the Western Australian operation into the first significant world producer of dysprosium outside of China.

The Project is 100% owned by Northern Minerals and has several deposits and prospects containing high value dysprosium and other HREs, hosted in xenotime mineralisation.

Dysprosium is an essential ingredient in the production of DyNdFeB (dysprosium neodymium iron-boron) magnets used in clean energy and high technology solutions.

For more information: northernminerals.com.au.



ASX Code:	NTU	Market Capitalisation:	A\$149.2m
Issued Shares:	2,368m	Cash (as at 30 June 2019):	A\$8.1m