



Customer: Viterra (formerly Joe White Maltings)
Location: Minto, NSW
Product: Barley / Malt
Date: November 2011
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Requirements:

Viterra (formerly Joe White Maltings) selected Aerobelt Australia to design and supply twelve new conveyors for a new malt plant at Minto, NSW. The design was based upon a previous malting design that was at Forrestfield in Perth, Western Australia.

- The conveyors were all made from stainless steel for corrosion resistance due to the process.
- Be capable to have a carrying capacity of a minimum of 180 tph.
- Incorporate wash down features in the head stations for control of contamination and build up of material due to the characteristics of the product during the malting process.



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Technical Information

Conveyors:	12
Belt width:	1000mm
Length:	416m
Inclination:	0° to 15°
Capacity:	180 tph
Belt speed:	1.75 m/s
Drive Power:	7.5 to 22 kW
Fan Power:	2.2 kW
Prod. Density:	0.68 t/m ³



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Solution:

Aerobelt Australia were able to provide stainless steel conveyors to the same design as the new plant design was almost identical to the WA facility. The head stations incorporate wash down chutes and spray systems to clean the conveyors.

Some conveyors in the new plant are now fully covered, saving the capital costs of fully enclosed galleries. This steelwork design was changed to an open construction.

The new design rating was 180 tph, but all the conveyor speeds and drive powers remained as the WA facility. Additional capacity is available should it be required up to 300 tph capacity.



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