



**Customer:** Mac Smith Milling  
**Location:** Manildra, NSW  
**Product:** Wheat / Canola Seed / Canola Meal  
**Date:** 2006  
**Page:** 1 of 2

**Requirements:**

Mac Smith Milling wanted conveyors that were fully enclosed and requested roller type construction due to the oily characteristics of the Canola. The conveyors had to:

- Be dust free but easily accessible for inspection and maintenance.
- Incorporate belt weighers to record the amount of grain being delivered to the plant for processing.



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**Technical Information**

Conveyors:	5
Belt width:	800 / 650mm
Length:	160 m
Inclination:	0° to 17°
Capacity:	200 / 400 tph
Belt speed:	3.2 / 2.0 m/s
Drive Power:	5.5 to 30 kW
Fan Power:	?? kW
Prod. Density:	0.65 / 0.75 t/m <sup>3</sup>



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### **Solution:**

Aerobelt selected a combination of 800 mm and 650 mm belt conveyors within the plant. All were fully enclosed, and used the major component parts from the 800 mm and 650 mm Aerobelt conveyor designs.

The larger 800 mm was used for unloading the trains and the remainder were for transfer of grain around the plant. The rail conveyor had a belt weigher fitted to monitor the grain delivered by this method.



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