

## CASE STUDY: Super-G<sup>TM</sup> Secondary Belt Cleaning System

<b>Kinder Australia Product:</b>	<b><u>Super-G<sup>TM</sup> Secondary Belt Cleaner</u></b>
<b>Product Category:</b>	Belt Cleaning Products
<b>Location:</b>	Queensland
<b>Conveyed Materials:</b>	Timber Planks (Spruce-pine-fir, or SPF)
<b>Conveyor Belt Width:</b>	500mm
<b>Conveyed Belt Speed:</b>	1m/s
<b>Installation Date:</b>	March 2017

### CHALLENGE:

- Ineffective scanning equipment
- Production down-time due to regular belt cleaning
- Increased process time
- Increased cost of manufacturing

For over 15 years, our customer has established itself as a key player in the timber/saw mill industry servicing its clients throughout QLD.

The main challenges faced by the saw mill plant was isolated to their existing scanners not functioning properly and providing inaccurate readings, this resulted in excessive wastage as timber planks were being rejected unnecessarily. Smooth operations on site was predominantly reliant on a clean conveyor belt. The processes and equipment in place meant the site's conveyor belts required cleaning at least 3 times a day to accurately scan the timber planks. The site's operational efficiency and productivity had been compromised due to increases in processing time per log. Profitability was also a concern with increasing manufacturing costs per log having a domino effect on the plant's bottom line.



**ABOVE**  
Image of Super-G<sup>TM</sup> Belt Cleaner installed on site.



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Issue: 202102

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### SOLUTION:



### Video Links

Super-G<sup>TM</sup> Belt Cleaner  
Blade Replacement Demo



The **Super-G<sup>TM</sup> Secondary Belt Cleaning System** was accessed and agreed as the best option in addressing the saw mill's belt cleaning challenges. The recommended **Super-G<sup>TM</sup> Secondary Belt Cleaner** was easily installed on the site's laser scanning station due to its ability to utilise a 'pass-through' mainframe design allowing timber plants to freely fall through it, keeping operations running with little to no maintenance resources and waste materials. The Super-G uses the same heavy duty mainframe and Perma-Torque<sup>TM</sup> spring free urethane tensioning system as the Eraser primary belt cleaning system, incorporating a corrosion resistant, fully sealed and dust proof polyurethane tensioner, providing safe, reliable blade adjustment for optimum belt cleaning.

### RESULTS:

- Greater reduction in material wastage
- Reduction in clean-up costs and time
- Elimination of down-time
- Improvement in site productivity

Due to the effectiveness and performance of the installed **Super-G<sup>TM</sup> Secondary Belt Cleaner**, the site's conveyor belt is now only cleaned at the end of the day, saving maintenance and labour costs. A cleaner conveyor belt has greatly improved scanner accuracy, thereby minimising the level of material wastage.

The site now experiences uninterrupted production throughout the day, down time has now been eliminated. A reduction in operational costs and processing time per log has also been achieved due to the Super-G installation.



**RIGHT**  
Close up image of Super-G<sup>TM</sup> Belt Cleaner AFTER Installation



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