

CASE STUDY: K-Protector® Return Idler Guard

Kinder Australia product:

K-Protector® Return Idler Guard

Product category:

Safety & Environmental

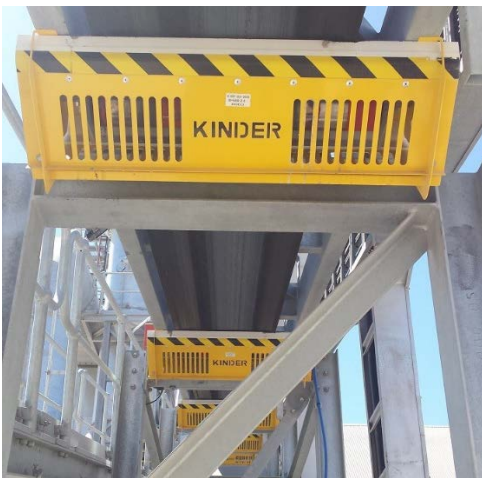
Location:

North-East Victoria

Conveyor belt width:

600mm

Previous problem:



Our customer operates large scale gravel and sand plant in North-East Victoria. Their quarry products are used in building construction and other civil engineering activities.

They have an established Health and Safety committee that operates on-site to plan, develop, implement and monitor health and safety processes. This has been very successful in facilitating a safety culture within the business, and ensures that the site complies with AS 4024.3610 (Australian Standard for Conveyor Safety Requirements) at all times.

The main problem experienced on this site was the **ongoing guard maintenance** due the awkward and **restricted access** to many of the areas that required pinch point protection.

As well as protecting the workers from pinch point injuries, the site wanted a guard with a fully compliant design that would **reduce cleaning downtime**, and therefore **create opportunities for more proactive maintenance tasks**.



Close-up photo of the K-Protector® Return Idler Guard installed on one of the return rollers



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Resolution:

Key Features:

- Fully compliant with Australian Standard AS 4024.3610
- Retractable for easy maintenance and house keeping.



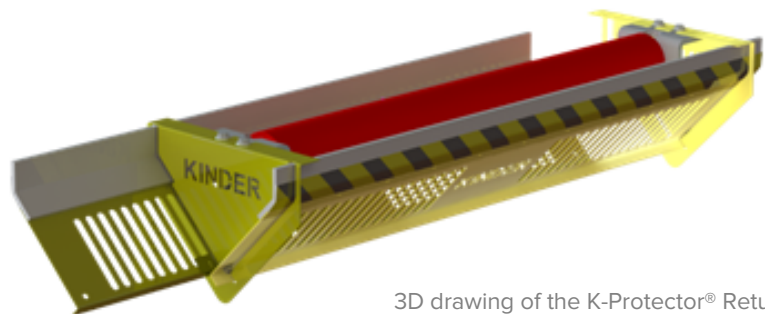
Photo shows an example of a non-compliant return idler guard that was cut open to remove spillage blocking the idler. The guard was left open, leaving a major safety risk to workers on site. The conveyor system was shut down and production halted by inspectors until the site was passed as being fully compliant

The site has now installed the K-Protector® Return Idler Guard at all of its hazardous and critical nip points.

*"I'm so pleased that I made the decision to install the K-Protector® Return Idler Guards. They were really easy and **simple to fix on** to the existing roller brackets of our conveyor system. Our plant is very tight so this could have created a problem when we changed over to these new guards. But they were very **lightweight** so it wasn't a hassle.*

*Now that they have been in operation for some time, they have been **very easy to maintain**. Other previous guards had been welded to the conveyor structure, but because these guards have a **slide out side panel**, they are really easy to pull apart and remove any carry back material that the guard has captured. Also, the sand's real sticky, so the rollers need cleaning every couple of days and it's very simple to work around these caged guards.*

*I'm delighted because the K-Protector® Return Idler Guards are **very user-friendly** and are not overcomplicating what should be a simple job – **guaranteeing worker safety**."*



3D drawing of the K-Protector® Return Idler Guard showing the slide-out panel.



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