

Conveyor Improvement System optimises output and lowers safety risk

With a view to improving industrial safety and productivity, Diacon Australia has succeeded in producing an innovative range of products that reduces conveyor belt spillage, improves belt capacity and greatly enhances conveyor belt safety standards.



The Diacon Conveyor Improvement System in action.

According to Directors, Brendan Refalo and Brad Hamilton, “The incidence and severity of conveyor-related injury is unfortunately quite high in Australia; unacceptably high. With so many conveyors around the nation, in such a wide range of industries and configurations, the potential for injury is very large indeed.”

The Diacon Conveyor Improvement System has been designed and manufactured specifically to overcome that injury potential as well as to deliver a number of operational and productivity benefits that have proven very popular with operators.

The system consists of three main components; the Diacon Hungry Board, the Diacon Conveyor Guard and the Diacon Safety Panel.

The Hungry Board is a lightweight, aluminium-reinforced, plastic panel which mounts on conveyors via a dual wedge system. When installed on a conveyor, Hungry Boards contain product within the conveyor, reduce product spillage and can potentially increase conveyor capacity by up to 30%. They have been found particularly beneficial when used on belts where load fluctuations occur.

Being made predominantly of plastic, the Conveyor Guards and Safety Panels are lightweight, corrosion-free and require no painting. The High Density Polyethylene material, from which they are made, is both colour fast and UV stable. They mount onto conveyors using a “hook and hang” design and lock into place according

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to the requirements of each worksite and the need for guards to be removed by a specific tool.

The Hungry Board and Guard are attached to conveyor belts using a purpose-built mounting bracket bolted to the conveyor’s existing troughing frames in a swift, straightforward installation process.

The entire system is engineered to optimise safety by being lightweight, easy to install and remove. The guards are purpose-built to fit on adjacent handrails, which allows for their safe storage when removed for maintenance.

All parts are engineered, manufactured and tested to comply with associated Australian Standards AS4024.1-2006, AS1755-2000 and they are manufactured using CNC equipment, which ensures a high degree of accuracy, consistency and lower production cost.

Mr Refalo said, “We’re really proud of our Diacon products. The amount of in-built innovation and testing has paid off too, because our customers’ productivity and

safety results speak for themselves. We get a real kick out of exceeding our customer’s expectations.”

For more information on the Diacon Conveyor Improvement System, visit www.diaconaust.com.au or contact 1800 342 266.