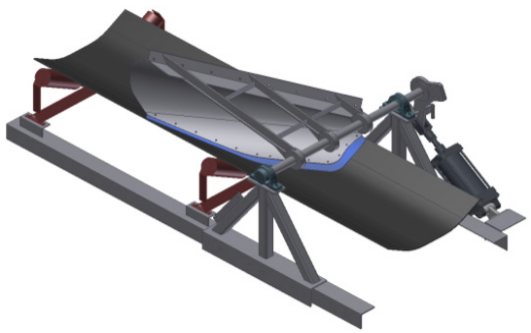
Trippers, Travelling stackers & Ploughs

HMA have designed numerous trippers, travelling stackers and ploughs over the years and each system has exceeded the client's expectations through innovative design and a co-ordinated approach with the client/end user to ensure the machine suits the sites requirements, flow rates, cost and functionality.

Trippers provide 100% belt clearance rates and includes discharge chutes to direct material away from the centreline and maximise the available stockpile area, stockpile height measurements, and safety cut offs when stockpile levels get too high. Typical systems are be powered through an expensive on-board cable system, whereas our custom designed self-powered system negates the need to run large, heavy and expensive power cables over large distances to power the machine as it is all self-contained. This in turn reduces the cost and weight of the machine as well as any ongoing cable management/maintenance costs.

Communication with the sites control system can be through a direct point to point wireless system or through control cable running along with the machine. The advanced nature of the newer wireless system allows much better control without the likelihood, dropouts or downtime or safety related concerns.

Ploughs offer a ~95% belt clearance rate and are a basic version of the tripper as they can be fixed or travelling and are well suited to price critical applications. Ploughs are designed to sit on top of the belt and include replaceable wear liners that are in contact with the belt to capture and redirect as much material as possible off the belt along the centreline of the conveyor, resulting in a smaller stockpile then the tripper. Belt and wear liner condition are critical to the ongoing performance of a plough system.



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