

Flexible Floor Conveyor

Heavy-Duty Power & Free System

A new floor conveyor system, which makes use of the benefits of conventional power & free technology, also offers the advantages of minimum control requirements, low maintenance and high levels of reliability and safety when compared to skid systems.

Caldan has developed a new generation of reliable, heavy-duty floor conveyors (HD100-HD) for companies that need to move large, heavy and unbalanced jigs. The new system also has high accuracy in guiding. Due to the limited use of drive units and sensors, a minimum level of control is required compared to conventional skid systems or roller conveyors.

Low maintenance

The use of well-proven standard components ensures that the new generation of conveyors is highly reliable. Low maintenance is required as there are very few moving or sensitive parts.

The system exploits all the benefits of conventional power & free systems, such as switching gates, line-to-line switching, accumulation zones and powered hoists, thus giving users a great deal of flexibility during the planning phase.

Compact profile design

The conveyor's compact profile design minimises restrictions on airflow in spray booths, flash offs and ovens and also minimises the amount of overspray dust settling on the conveyor system. This results in fewer rejects caused by dust being carried through the entire system.

The special "goose neck" design prevents power wash fluids from entering the conveyor system. Where space is limited, conveyors can be installed on two levels without lift stations, thus resulting in significant savings. ■

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The floor conveyor, shown here in the manufacturer's testing centre, exploits the benefits of conventional power & free systems, thus making it highly flexible.



The new conveyor system has already proven its worth in a production environment.

Figures: Caldán