

One K&R Article – Five Big Pickups Client: Conveyor Technologies Ltd.

tips & techniques



How to Keep Your Conveyor Running Smoothly

By Charles Mitchell, Conveyor Technologies Ltd.
Low-profile conveyors are ubiquitous in industry, typically used in DMT applications in packaging, assembly, labeling, inspection and sorting.

These low-profile conveyors are typically used in DMT applications in packaging, assembly, labeling, inspection and sorting. They are typically used in DMT applications in packaging, assembly, labeling, inspection and sorting. They are typically used in DMT applications in packaging, assembly, labeling, inspection and sorting.

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Plastics Technology

Design Notes

How to reduce operating costs of low profile conveyors

Low profile conveyors are typically used in DMT applications in packaging, assembly, labeling, inspection and sorting. They are typically used in DMT applications in packaging, assembly, labeling, inspection and sorting. They are typically used in DMT applications in packaging, assembly, labeling, inspection and sorting.

Label A: 1.25" DIAMETER PULLEY
Label B: 1.50" DIAMETER PULLEY

Label C: 1.25" DIAMETER PULLEY
Label D: 1.50" DIAMETER PULLEY

Label E: 1.25" DIAMETER PULLEY
Label F: 1.50" DIAMETER PULLEY

Design World

product news

Slashing Operating Costs Of Low-Profile Conveyors

Charles Mitchell, President, Conveyor Technologies Ltd.

Editor's Note: Pulling up on the pulley provides one means but also provides the tensioning force to maintain the pulley in the desired position.



Figure 1—As pulley width increases, a 1.25" diameter pulley will deflect nearly five times more than a 1.50" diameter pulley. This effect is compounded when the pulley is subjected to a vibration.



Figure 2—As belt tension, wrap-up belt pulley provides one means but also provides the tensioning force to maintain the pulley in the desired position.

Power Transmission Engineering

Slash High Costs from Low Profile Conveyors



These 24/7 lifelines keep packaging, assembly, labeling, inspection and sorting operations moving. To make best use of them and prevent unplanned downtime, keep these tips in mind.

By Charles Mitchell

Low-profile conveyors are everywhere in industry, serving key roles in production and assembly of everything from cosmetics and snacks to beverages, electronics and food transportation. Usually working in the background, compact belt conveyors with one- to two-inch pulley diameters and conveyor belt widths of 24 inches. Typically used in DMT applications in packaging, assembly, labeling, inspection and sorting, low-profile conveyors form critical production links where unplanned downtime or time-consuming maintenance is undesirable. Upstream equipment, such as mixers, blenders, extruders and granulators, will continue to churn out product, as line stoppages—planned or unplanned—must be minimized.

Tension that's good for you

The most critical areas of low-profile conveyors that draw maintenance attention are the belt itself and the pulley-bearing system. Speed, load, acceleration and infeed vibration increase forces on these components, as well as the drive

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Material Handling & Logistics

reference guide

SLASHING OPERATING COSTS OF LOW PROFILE CONVEYORS

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