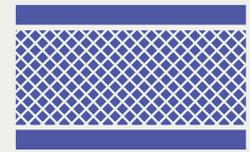


DAIFUKU LOGAN

Always an Edge Ahead



Check-in
Conveyor

Model 599 Check-In Conveyors Application

Check-In conveyors are the first point of interface between the passenger and the baggage handling system, they allow passengers to safely enter their baggage onto the conveying system. They also allow the check-in desk clerk to weigh and label the baggage.

Model 599 Check-In Conveyors

The Model 599 Check-in Conveyor range has been designed to meet the specific needs of airports. Our weigh, label and despatch conveyors can be configured as either one, two or three stage check-in systems, offering choice and flexibility for check-in operations. The Model 599 Check-in Conveyors are finished in stainless steel to a very high quality. As standard they are fitted with dummy end pulleys to eliminate trap points for passengers, operators, bag straps and labels. For extra security safety gates may be fitted to the

weigh conveyor preventing passengers from entering the check-in areas when the desks are closed.



Features	Application Benefits
Motorised Drive Drums	Compact conveyor design with proven reliability
Short Faced End Pulley	Eliminates trap points by the use of dummy pulleys
Conveyors Mounted on Guide Wheels	Complete unit can be easily withdrawn for maintenance and cleaning
Plug and Play	Interchangeable conveyors enables remote maintenance
Drop Down Front Cladding Panel	Facilitates the removal of weigh conveyor without special tooling
Fire Retardant Belting to ISO 340	Reduces the spread of fire
Modular Design	Facilitates installation and any subsequent modifications
Design Flexibility	Accommodate variations such as sidewall height, bed width, drive components etc.
Reinforced bed plates	Increases load capacity of conveyor
State of the Art PLC Controls	Use of standard PLC technology enables clients' handling / screening schemes to be complemented
Design Options	Standard Variations
Check-In Type	One stage, two stage or three stage
Length	400mm, 450mm, 500mm, 550mm or 600mm
Sidewall Height	50mm, 300mm or 450mm
Safety Gate	Fitted or Not Fitted
Turning Drums	Parallel or tapered turning drums can be fitted at junction with collector
Belt Speeds	Normally – Weigh 0.5m/s Label 0.8m/s Despatch 1.0m/s Others available if required



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General Description

Model 599 Check-In Conveyor - Stage Options

One Stage: Bags are weighed, labelled and despatched on a single conveyor.

Two Stage: Usually the weighing and label operations are carried out on a single conveyor. Baggage is injected onto the Collector Conveyor from the Despatch Conveyor.

Three Stage: Separate conveyors are used for the weigh, label and despatch functions.

General Construction – Weigh, Label and Despatch Conveyors

Drive/Head Pulley

135mm diameter 0.75kw motorised drum mounted within moulded end caps. The face width of the drum is narrower than the belt, and the end caps are formed such that they act as a dummy pulley (or static shroud).

Tail Pulley

75mm diameter end pulleys are machined and fitted to 20mm diameter bright mild steel axles mounted in sealed for life precision bearings. The face width of the pulley is narrower than the belt, and plastic bushes are located at the end of the shaft to act as dummy pulleys.

Drive & Tail Snubber Pulley

The Drive Snubber Pulley is 75mm diameter, the tail pulley is 50mm diameter. The drive snubber pulley ensures that the pulley wrap on the drive drum is kept to a maximum. Both are screw adjustable for belt tracking and tensioning purposes.

Sidewalls

Sidewalls are formed from 2.0mm thick Stainless Steel. The sidewalls are bolted to both sides of the bed section, additionally there are formed mild steel cross members which connect the two sides together underneath the bed section. This ensures good rigidity. The sidewalls can be quickly removed for maintenance or cleaning purposes.

Bed Section

Press-formed box channel section from 2.5mm thick mild steel, width equal to belt width plus 20mm and 50mm deep. Stainless cladding. The front panel is manufactured from 2.5 mm thick stainless steel. The Daifuku Logan logo is fixed on to this panel. The panel can be unlatched and pivoted upwards to allow access under the conveyor for cleaning, and to facilitate conveyor removal. The outer sides of all conveyors in full public view will be clad with 1.6 mm polished stainless steel panels.

Tracks and Castors

The weigh conveyor is mounted on castors which run in a track fixed to the top of the weigh scale. The conveyor is retained in its normal operating position by a latch bolt. Access to the latch is via the hinged stainless steel plate on the front of the conveyor. This allows rapid removal of the unit for cleaning and maintenance purposes.

Belt

Two ply polyester endless with PVC cover and diamond pattern top.

