

# FIVE STAR AIRPORT ALLIANCE

Baggage Handling Systems | Engineering | Manufacturing | Installation | Parts & Services



## Scale and Induction Conveyor

### PRODUCT DESCRIPTION

#### FEATURES AND BENEFITS

- Superior Quality
- Ergonomically Designed
- Extremely Reliable
- Easily Maintained
- Heavy Duty
- Multiple Control Options

#### Introduction

Five Star Airport Alliance's (FSAA) Scale and Induction Conveyors are conveyors utilized together at ticket counters to handle outbound baggage. The Scale Conveyor is designed to hold and accurately weigh baggage and then move the baggage for proper staging. The scale is integrated into the device underneath the conveyor.

The induction conveyor is a conveyor designed to stage and then move the baggage onto a take-away transport conveyor.

#### Bed and Trim

The beds are constructed of 11-gauge hot-rolled steel with .25 in. Structural angle framework. The outer trim pieces are 12-gauge stainless steel.

#### Drive Assembly

The drive systems are a .5 HP motorized drive pulley with .12 in. lagging to guarantee proper grip. The conveyor belts feature a V-guide that runs through a V-groove in the pulleys to maintain proper tracking. This system ensures smooth starting and stopping and reduces the chance of belt slippage.

#### Electrical Controls

All FSAA Scale and Induction conveyors are furnished with emergency stops and overload protection. The induction conveyor also features a photoeye to detect baggage and enable automatic release onto the take-away conveyor. Also included are scale readouts and master slave controls.

**COMPLETE LINE OF  
BHS PRODUCTS**

- Claim/Make-Up Units
- 45° Merge
- 45° Take-Away
- Super Pusher
- Power Face Diverter (PFD)
- Vertical Sorter/Merge (VSM)
- Transport Conveyor
- Ticket Counter
- Oversize Bag Slide
- Queue Conveyor
- Scale & Dispatch Unit
- Extendable Conveyor
- CAPIS - Custom Inspection Conveyor

**TECHNICAL SPECIFICATIONS**

Characteristics	Scale	Induction
Width (Overall)	Variable	Variable
Length (Overall)	Variable	Variable
Height	Variable	Variable
Weight	610 lbs.	384 lbs.
Bed Width	Variable	Variable
Bed Material	11 ga. hot-rolled steel with .25 in. thick structural steel angle	11 ga. hot-rolled steel with .25 in. thick structural steel angle
Side Shroud Material	12 ga. stainless steel	12 ga. stainless steel
Belt Width	Variable	Variable
Belt Length	Variable	Variable
Belt Material	Black, PVC 100 PIW, Monofilament 2-ply with v-guide	Black, PVC 100 PIW, Monofilament 2-ply with v-guide
Belt Speed	Variable	Variable
Drive Motor	.5 HP electric, 135 range motorized pulley, 3 phase, 460V, 60Hz	.5 HP electric, 135 range motorized pulley, 3 phase, 460v, 60hz
Drive/Motor Pulley	5.3 in. diameter with .125 lagging and v-groove	5.3 in. diameter with .125 lagging and v-groove
End Pulley	6 in. diameter with v-groove	6 in. diameter with v-groove
Snub Pulley	4 in. diameter	4 in. diameter
Pulley Shaft Size	1.438 in. diameter, 1018 cold-rolled steel, 1.18 in. diameter with .79 in. flats (for 5.3 in. drive pulley)	1.438 in. diameter, 1018 cold-rolled steel, 1.18 in. diameter with .79 in. flats (for 5.3 in. drive pulley)
Conveyor Angle	2.75 degrees	6 degrees

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