

# Shuttle Automatic Car



Systec's Shuttle Automatic Car (SAC) can be used at various points within the overall conveyor system. The SAC is primarily used where a break in the conveyor line is required, or a single line may need to deliver to more than one location. It can also be used at the infeed of converting equipment to allow machine opening without interference.

Each SAC is provided with an on-board mast assembly with power disconnect switches and an audible and strobe light warning system for impending conveyor movement. It also provides the necessary power to the conveyor for powering the conveyor and shuttle movement. The method of power can be delivered by a hanging cord (restricted by distance of travel), or by a powered festoon cable system.

The SAC, like all fine Systec Conveyor products, is an all-welded, steel frame construction, using precision laser cut parts for exact fit and function. This is a very low maintenance device applying the most advanced safety designs and features.



## OVERALL CONSTRUCTION

Systec's SAC features all-welded steel frame construction with precision laser cut parts. This is a self-contained unit.



## SAFETY

Systec's SAC is equipped with contact sensors to disconnect power to the car, should an obstruction be in the car's pathway. Additional safety devices include a beacon light and audible alert system to alert personnel of impending travel.



## DRIVE ASSEMBLY

Systec's SAC conveyor drive is very similar to the standard floor conveyor. The SAC mobility drive assembly is a simple gearmotor to drive wheel assembly, using high endurance polyurethane tread drive and idler wheels.

SPECIFICATIONS

Between Frame Dimension	48" - 84" (other configuration as required by system design)
Length	6'-12' (12" increments)
Top-of-Roller Height	12" T.O.R.
Drive Capacity	3,500 lb/unit
Conveyor Speeds	45, 60 FPM
SPC Rotate Speed	45 FPM, variable
Cycle Rating	Determined by travel distance

CONSTRUCTION

Frame	All-welded steel construction
Drive Wheels	8" dia. x 3" face x 1 3/8" bore, liquid cast 95A durometer polyurethane bonded to case wheel hub
Idler Wheel	5" dia x 2 1/2" face x 6 1/2" overall height, liquid cast 95A durometer polyurethane bonded to case wheel hub

SAFETY FEATURES

Frame	Guarding on all moving parts with toe-guard skirting surrounding all exposed areas of SAC
Audible Alert System	Dual tone alert system sounded when SAC is in motion
Visual Alert System	Flashing strobe when SAC is in motion

CONTROL OPTIONS

Automatic	Positioning controls with electro-mechanical sensor
Manual	Actuation, Pushbutton operation

