



Product Bulletin No. A-12

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Metal Detector Conveyor



This custom Metal Detector Conveyor is the primary unit of a four-piece conveying system designed and manufactured for a large baking and distributing corporation. The Metal Detector Conveyor is 10 feet long, 24 inches wide and the frame is of stainless steel construction. The conveyor belt is durable, long-lasting Polypropylene.

The metal detector is an Advanced Detection Systems Series 1200 general purpose detector suitable for detection of ferrous and nonferrous metals in all types of food products, chemicals, plastics or other products where metal can have an unwanted consequence. *Wrabacon* also manufactures metal detector conveyors for all brands of metal detectors.

The other three units of this system include a 24-inch wide 90 degree conveyor with a heavy duty stainless steel flat wire belt; a 15-foot long, 24-inch wide conveyor with a non-skid belt that is flat for about 8 feet, then declines through a floor; and a 26-foot long, 24-inch wide conveyor with a non-skid belt that will be suspended from the overhead. The units are all of stainless steel construction and sturdy, adjustable foot pads are used on floor units.

The main Electrical Cabinet attached to the Metal Detector Conveyor controls motion and activity of all four conveyors. Each conveyor is driven by a totally enclosed fan motor (TEFC) with a reducer. This system will be able to run independently to any other existing systems. The system design will maintain applicable OSHA standards and the National Electrical Code for Industrial Machinery.