



Product Bulletin No. A-16

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Custom Tray Stacker With Conveyors



Wrabacon can design and manufacture Tray Stacker Systems to fit most needs.

This system was designed to handle trays up to 25" long, 12-1/2" wide and 6-7/8" high. The system receives single shrink-wrapped trays down a decline conveyor and transfers them 90 degrees to the tray stacker conveyor.

Trays that are not to be stacked, simply pass through the stacker. Trays that are stacked enter the stacker, are stopped, then up-stacked and held above the conveyor with mechanical latches. When the second tray arrives, it is stopped, up-stacked to the bottom of the first tray, the latches are released and both trays are gently lowered to the conveyor. The stacker is controlled with a PLC and has a simple selector switch for stack/no stack mode.

Single or stacked trays exit the tray stacker conveyor onto a Custom Tray Turning System (inset) designed to lift and turn wrapped trays. The tray turning system receives a signal from a palletizer to activate a tray turn. The turning system is controlled by a PLC on the tray stacker. This particular lifting mechanism is a heavy duty air/oil rotary cylinder with a rated load of 200 pounds.