Automatan

AutoStak

High-Speed • Reliable • Versatile Functionality

Our robotic solutions will take your business into the future.

YOUR PARTNER OF CHOICE

SAFETY SYSTEM

The safety system is responsible for preventing accidental exposure to the system. The system will utilize steel frame construction with wire mesh panels, two (2) interlocked access doors, one (1) remote e-stop located at the cell entrance, operator awareness signs, system light towers and a complete safety assessment, ensuring that the manufacturing system meets with the current RIA safety standards.

SUMMARY

The operator enters the job number into the controller. Bundles enter the work cell on an inbound conveyor and are turned by the bundle rotating conveyor, if necessary. The EOAT then uses paddle transport fingers to grip the bundle and transfer it to the palletizing area. Before the new pallet is started, a robotic dunnage sheet inserter will insert dunnage sheets on the conveyor. Between each layer, the robot will load tie sheet if required to aid in stack strength. When the unit is complete, the robot will index the outbound bale conveyor and repeat the process.

BENEFITS

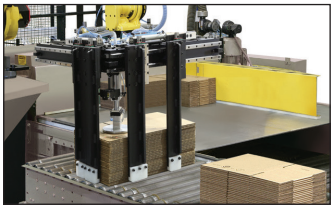
- Reduce manual labor, decreases operator fatigue and injuries
- Handle multiple bundle styles, strapped or unstrapped
- Increase machine run time and efficiency
- Able to utilize various dunnage and tie sheet sizes
- Layout is friendly, allows for manual stacking, if required
- Store jobs for quick set ups
- Up to 18 bundles per/minute
- Up to 23,000 sheets per hour
- Built and serviced in the United States
- As quick as 9 month ROI

AutoStak

Engineering Solutions for your Success.

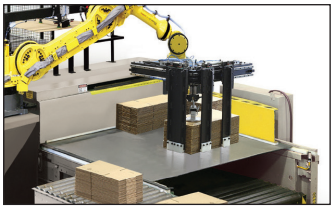
THE SYSTEM INCLUDES

- End of Arm Tool (EOAT) – Bundle Transporter
- Robotic Tie Sheet Inserter
- Robotic Dunnage Sheet Inserter
- Safety System
- System Controls
- Conveyor integration to control and justify strapped and unstrapped bundles
- System Engineering
- Up to 12 bundles per minute



ROBOT

The AutoStak Palletizing System transfers bundles of corrugated material from the inbound conveyor system to a load former, utilizing the End of Arm Tool and custom programming.

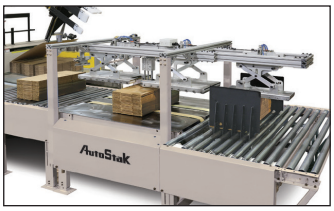


END OF ARM TOOL (EOAT) – BUNDLE TRANSPORTER

The AutoStak Palletizing EOAT is responsible for transferring the corrugated bundles from the outbound conveyor system to the palletizing area utilizing paddles.

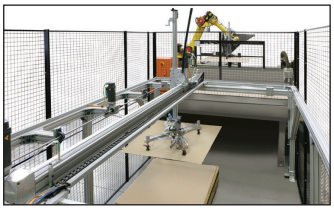
ROBOTIC TIE SHEET INSERTER

The Robotic Tie Sheet Inserter will automatically insert a tie sheet between the desired layer(s) as the bale is formed.



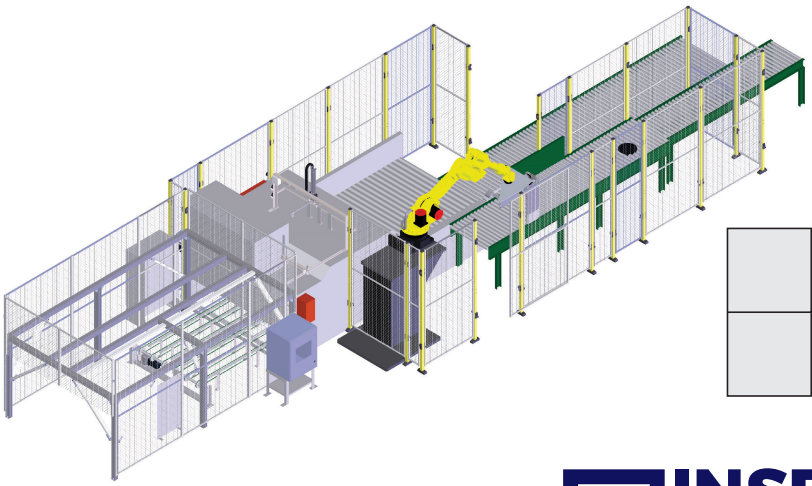
HIGH SPEED TURN STATION (OPTIONAL)

A powered turn station that turns strapped and unstrapped bundles, prior to the bundles entering the AutoStak robotic bundle slide area, to achieve speeds greater than 12 bundles per minute and up to 18 bundles per minute.



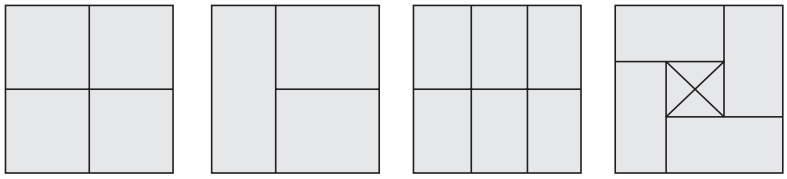
ROBOTIC DUNNAGE SHEET INSERTER

Builds the desired dunnage pattern automatically and inserts the sheet(s) before each new bale is formed. The system will place the number of sheets and configuration as desired.



PALLETIZED TO ANY CONFIGURATION

With more than 87 pallet configurations AutoStak Palletizing system provides the most versatile functionality in the industry. Illustrated are some of the most common configurations.



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