

RAPTOR PAL™

*Robotic Load Former
with Integrated Vision System*



Precise Vision / Quick Grasp

Advanced Optical

Recognition Technology

identifies the exact location and skew of each bundle as it moves down the conveyor, allowing the robot to grasp the bundle "on the fly" and quickly place it in its proper position with the load

Improves Overall Productivity

and reduces risk of operator fatigue and injuries

Outstanding Service

24/7 customer care

Patent Pending

INTRODUCING

Contact your Alliance Machine Systems sales executive for more details


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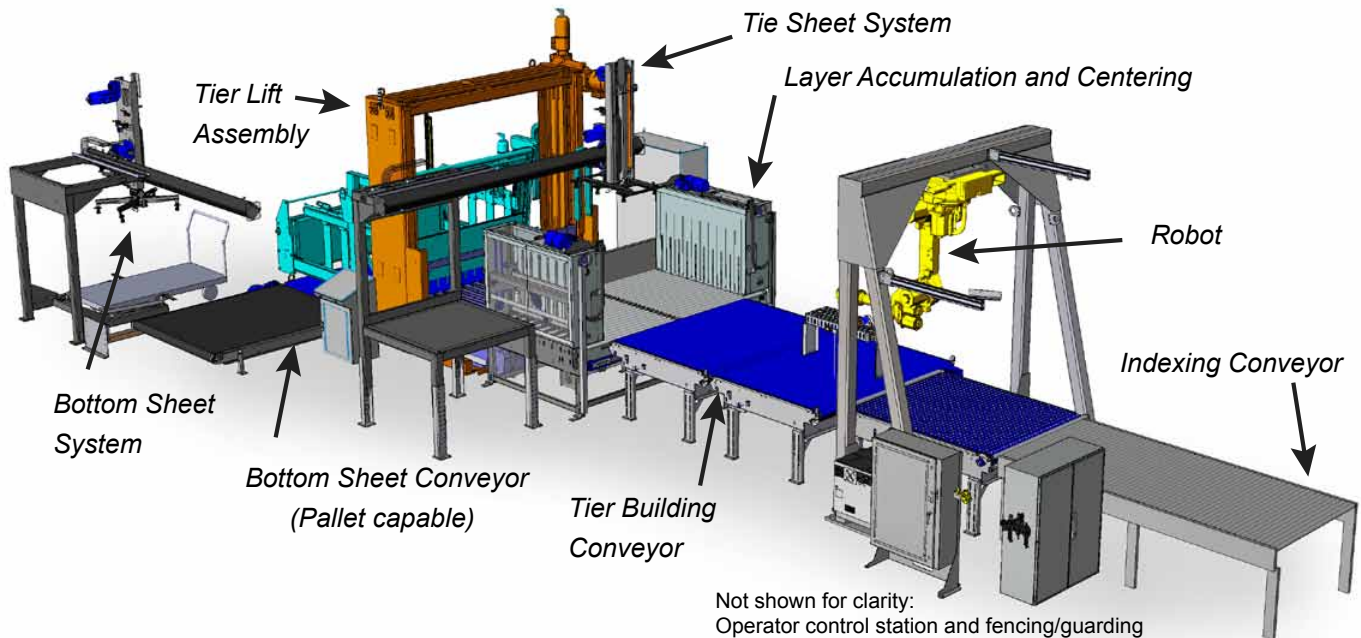


Precise Vision / Quick Grasp

RAPTORPAL™

Patent Pending

Robotic Load Former with Integrated Vision System



Description

The RAPTORPAL automatically builds patterned units from bundles. Individual incoming bundles are grabbed by the Robot's end-of-arm tool and positioned on the tier building conveyor. Once the layer is turned it advances to the tier lift to be transferred to the load. When the desired layer count is reached, the load discharges automatically.

The RAPTORPAL produces great load quality and can automatically insert both tie sheets and bottom sheets. The system sets up automatically. Operators have more time for quality control.

Features

- RAPTORPAL is a fully automatic palletizer
- Tie sheet system uses vacuum cup sheet acquisition and robot arm to place sheets
- Bottom sheet systems use vacuum cup sheet delivery to rotate and position multiple sheets
- Interlocks for bundle supply and load exit conveyors
- Multiple unit exit directs make for flexibility in fitting into the line
- Tier lift includes four sided layer-to-layer conditioning for superior load quality
- Robot can double bundle for additional productivity
- Capable of "on-the-fly" bundle manipulation for increased productivity and reliability