



Precise Vision / Quick Grasp

INTRODUCING **RAPTOR**TM

Patent Pending

**Robotic Load Former
with Integrated Vision System**

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

Retrofits to most existing load formers

Outstanding Service
24/7 customer care

Contact your Alliance Machine Systems sales executive for more details


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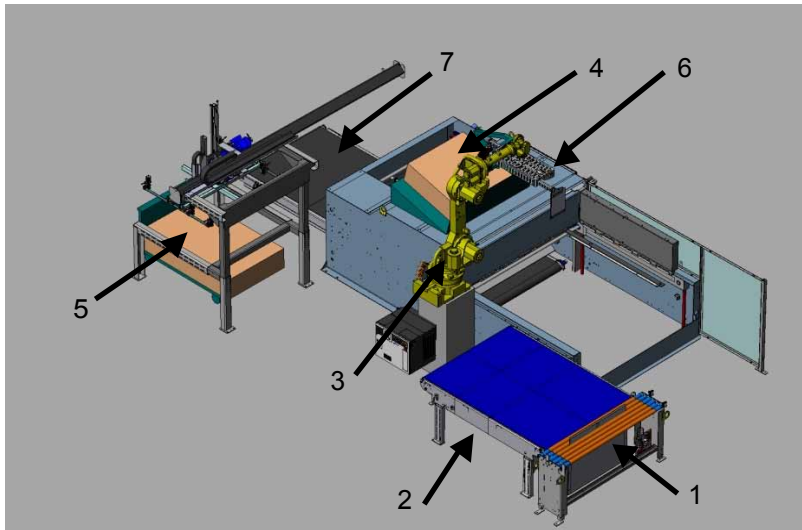
RAPTOR

Patent Pending

Description

The RAPTOR automatically builds patterned units from bundles. Incoming individual bundles are grabbed by the EOAT and positioned onto the stripper plate of a new or existing load former. The LOADMASTER or Modular LOADMASTER stripper plate cycles normally to place the layer on the load. When the desired layer count is reached, the load discharges automatically.

The RAPTOR 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. The robot arm can be parked to allow for traditional LOADMASTER operation.



1. *Centering Separation Unit*
2. *Bundle Pick Zone*
3. *Robot*
4. *Tie Sheet System*
5. *Bottom Sheet System*
6. *Loadmaster*
7. *Bottom Sheet Conveyor
(Pallet capable)*

Not shown for clarity:
Operator control station and fencing/guarding

Features

- Touch screen operator interface intertied to LOADMASTER operator station for easy operation
- RAPTOR 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
- Zero-energy electrical and pneumatic lockouts
- Right-hand or left-hand machine options available (left-hand shown above)
- Interlocks for bundle supply and load exit conveyors

