

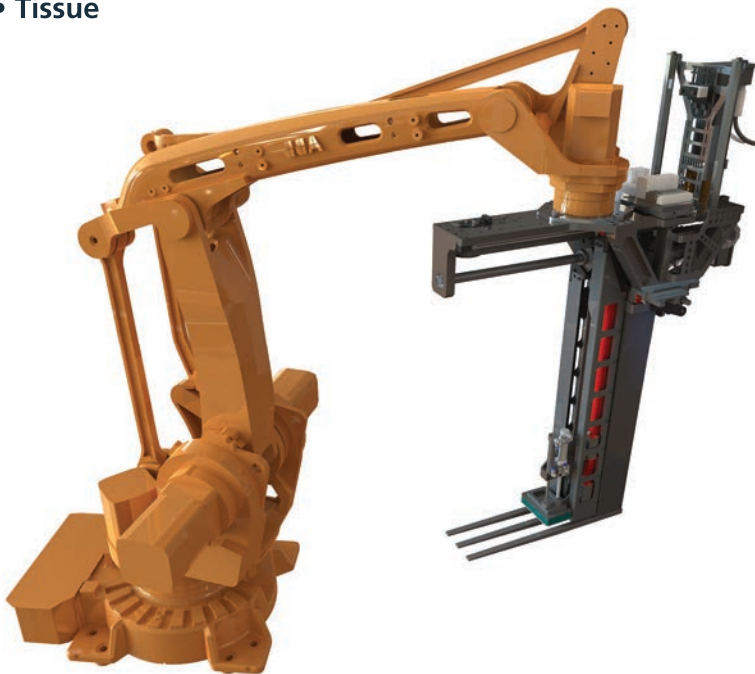
ROP

ROBOTIC ORDER PICKING MIXED LOAD PALLETIZING

Axium's ROP is an innovative solution to meet the growing demand for true mixed load palletizing system. Using powerful combinatorial algorithms in its CubelQ software, the ROP robotically builds stable pallets from unlimited SKU database at speeds up to 1,750 cases per hour.

INDUSTRIES

- Distribution Centers
- Consumer Goods
- Beverage
- Food
- Dairy
- Tissue

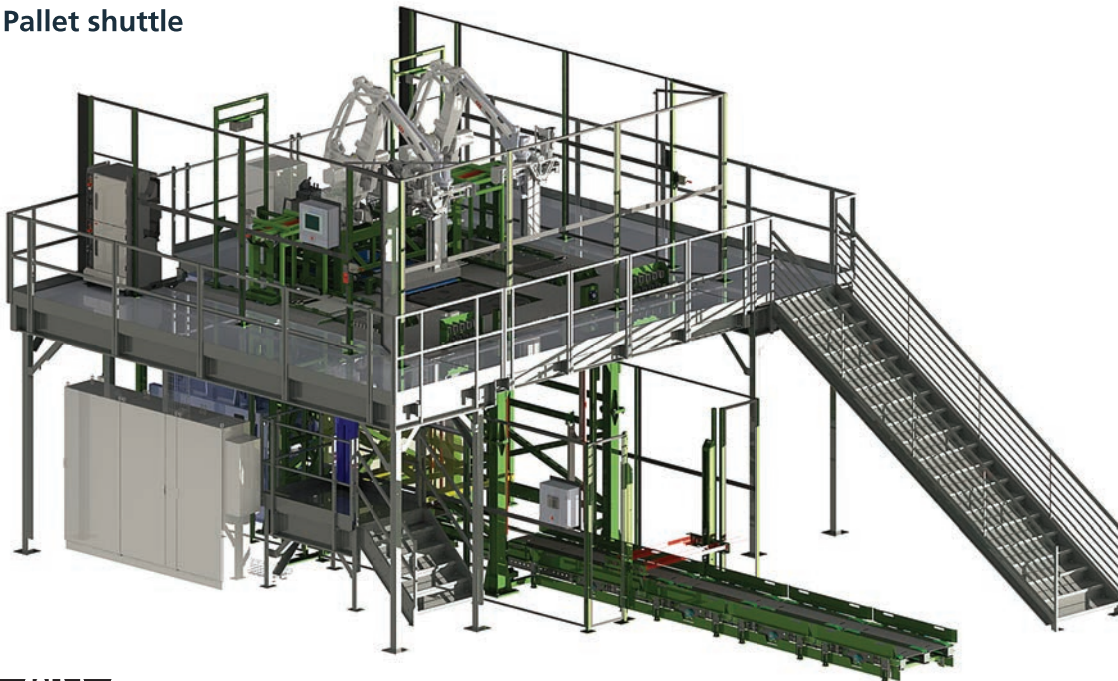


MAIN FEATURES	BENEFITS
Two flexible manipulators pick and place cases from overhead infeed conveyors	Maximum productivity
Automatically adjusting EOAT	Tool adjusts to specific products characteristics and size
Integrated stretch wrapping	EOAT is designed to specific product needs
Vision-assisted product orientor	Automatically justifies and orients skewed cases for robot pick
CubelQ software	Optimizes loads
Meets or exceeds applicable safety standards	Safe environment for maintenance and operational staff
Easily integrates with Axium's peripheral equipment	Reliable, efficient fully automated turnkey solution

The first module is the CubeIQ software which processes orders received from a WMS and determines the most efficient palletizing sequence based on various criteria such as product weight and dimensions, case strength and stability. Before being picked, the cases are oriented using vision-assisted product orientor. Two robot arms alternatively pick cases from independent infeed conveyors and place them on the pallet. In order to easily handle the various SKU's, the automatically adjusting fork style end of arm tool securely transfers any product like closed cartons, totes, open top cartons, shrink wrapped trays, none shrink wrapped trays, etc. Loads descend through an integrated stretch-wrapping ring throughout the palletizing process.

AVAILABLE PERIPHERAL EQUIPMENTS

- Pallet load stacker
- Pallet conveyor
- Pallet dispenser
- Pallet shuttle



Scan here
to watch a video
of our solution

TECHNICAL SPECIFICATIONS

SKU HANDLED	Unlimited
CASE DIMENSIONS	Min.: 4" x 6" x 2" - Max.: 20" x 25" x 24"
CASE WEIGHT	Up to 50lbs
SPACE REQUIREMENT	10ft x 16ft
PRODUCT RATE	Up to 1,750 cases / hour (1,500 CPM average)

