

ROBOTIC PALLETIZING EXPERTS

Columbia
okura LLC

A SERIES

ROBOTIC PALLETIZERS

A700

A1600

A1800

we can
handle
it.

ANYTHING • BAGS • CASES • TRAYS • BUNDLES • PAILS • BALES
TOTES • SHEETS



A1800

X



X

360°

91"/2300mm

60"/1518mm

440°

20cases/28bags



X

2645lbs/1200kg

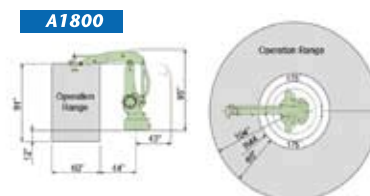
10

10

100

INDUSTRY

Specifications are subject to change without notice



Dimensions in inches



Email: pallsales@colmac.com



www.columbiaokura.com

INSIST ON PALLETIZERS THAT FIT

Whether you're buying your 1st or your 51st palletizer, don't waste your time on inflexible equipment. Insist on a palletizer that fits into your floor layout, your work flow, your products and your future production plans.



Columbia/Okura, LLC headquarters, Vancouver, WA USA

EXPERIENCE YOU CAN COUNT ON

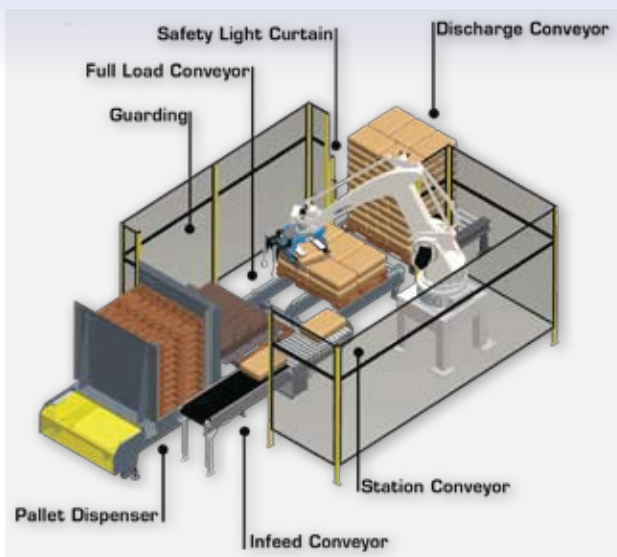
Columbia/Okura is a manufacturer and technical integrator of robotic palletizing systems to handle cases, bags, pails, bundles, bales, trays, pallets and sheets, reducing overall labor costs and increasing profitability to manufacturers throughout the world. Columbia/Okura is jointly owned by Columbia Machine, an industry leader in conventional palletizing and Okura Yusoki, Japan's leading supplier of robotic palletizing systems. We put over 100 years of combined material handling experience and over 40 years of combined robotic palletizing expertise into every machine produced.

Roboshield Collision Detect Function

Columbia/Okura's Roboshield feature reduces the risk of damage to the robot in the event of a collision. State-of-the-art software automatically triggers an emergency stop if the end effector or arm collides with peripheral equipment or stacked load.



Common System Components

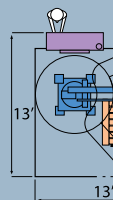


Note: System safety guarding has been removed for image clarity.

A

Series

Columbia/Okura robotic palletizers are compact and cost effective. With the ability to manage one to four production lines concurrently, and stack onto one to six pallets, the possible system layouts are practically endless. Designed to use minimal floor space and with flexibility in mind, it is easy to find the automated solution that meets your palletizing and depalletizing needs.



END EFFECTORS

Columbia/Okura has designed sheets. Our parts warehouse c

PAIL STYLE

Pails



CLAMP STYLE

Cases, trays, bundles, etc.

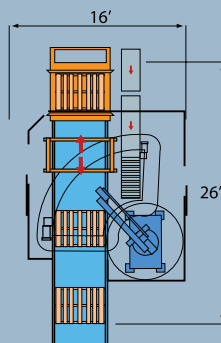


Bag Style
End Effector

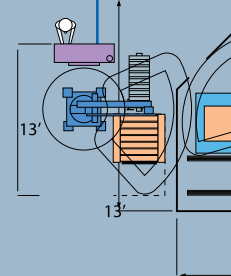


Model **A700**

Economical Layout



Single Line Layout



ed a wide range of standard end effectors to handle virtually any product, including cases, bags, trays, totes, bales, bundles, crates, pails, pa
carries service parts for immediate support on all these standard designs. The end effectors shown here are some of the most common typ

FORK STYLE

Cases, trays,
bundles, etc.



CASE/BAG STYLE

Bags and cases



VACUUM STYLE

Cases



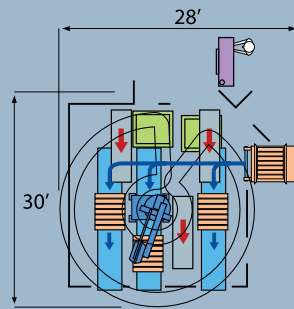
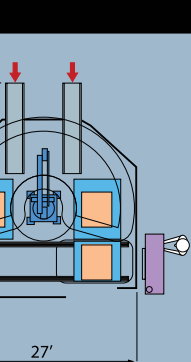
Clamp Style
End Effector

Model **A1600**



Bag Style
End Effector

Model **A1800**



pallets and
boxes utilized.

CONTROLS SOFTWARE AND PROGRAMMING

The Columbia/Okura robotic palletizing system utilizes highly advanced software to create pattern programs. The operating screen, complete with detailed graphics and easy navigation tools, provides quick access to the 50 standard product patterns already built into the program. OXPA-DIY "Do-it-Yourself" software is designed to make adding patterns to your robot a simple process. Custom patterns are created off-line on your personal computer or laptops, and then downloaded to the robot controller. Patterns can also be added at the control panel using the operator interface. No need to interrupt your production schedule; custom patterns can be created offline while your system is running, and downloaded between production runs.

OXPA-DIY

"Do-it-Yourself" programming is Windows based and can be run from your laptop computer. Here's how it works...

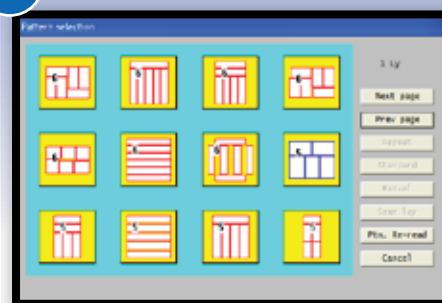


1 ENTER PRODUCT INFO.



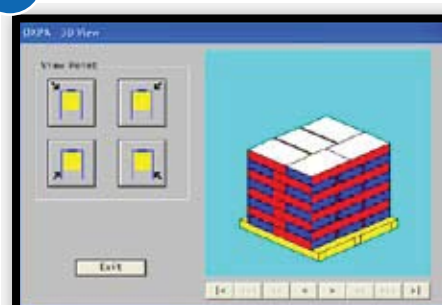
Launch DIY from your personal computer and enter the product weight, dimensions and the desired number of layers.

2 SELECT PATTERN.



DIY displays possible stacking configurations based on your input. Just click on the one you want and the software automatically calculates the stacking coordinates for you.

3 DOWNLOAD. PALLETIZE.



Use the 3-D image of the pattern you have created to evaluate the complete pallet load from four different viewpoints.

Then download the pattern to the control panel and you're ready to palletize your product.

