Speed. Accuracy. Efficiency

HIGH SPEED
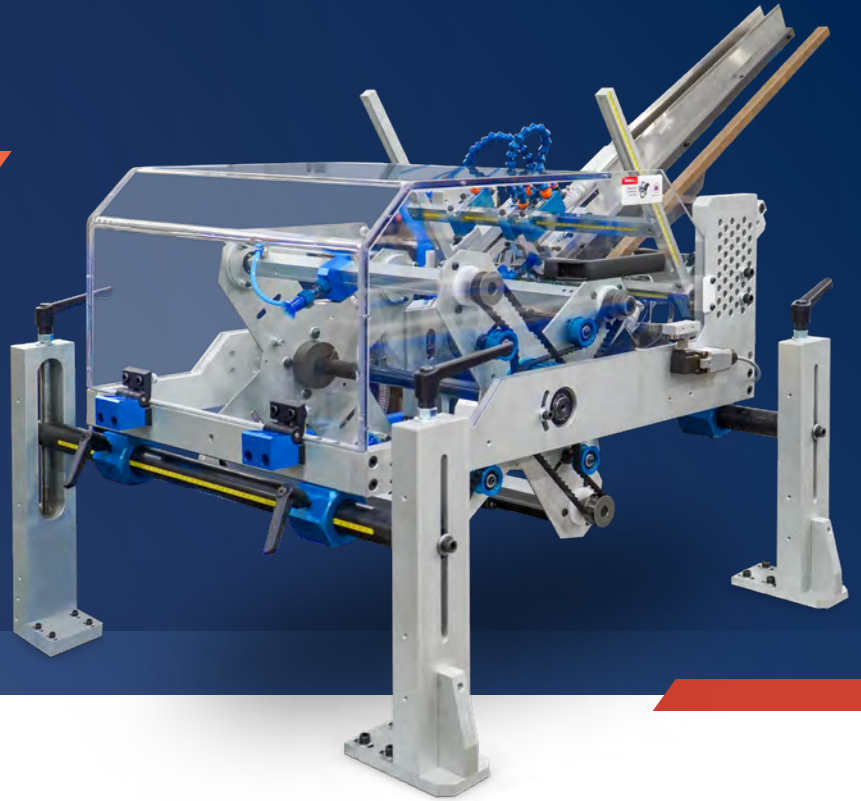30,000 PPH

PLACEMENT ACCURACY
±0.02"

OPTIONAL AUTOLOADER
68" magazine

RP-300

Rotary Pick & Place

Pick & place products at 30,000 PPH with ±0.02" placement accuracy. Minimize reload intervals with optional autoloader for maximum productivity.

Low-Cost Ownership and Minimal Maintenance

The RP-300 features 360° rotating arms with articulating suction cups enabling millisecond product attach and release for high-speed feeding. Highly adjustable modular components enable handling of various product sizes and adjustable pickup and drop-off points with quick changeovers. Products such as cards, leaflets, sachets, and rigid windows that may be a challenge for typical belt-driven feeders are a natural fit for the RP.

3D Products   Cards   Flexible Packaging   Folding Cartons

PACK-SMART INC.
ENGINEERING THE IMPOSSIBLE
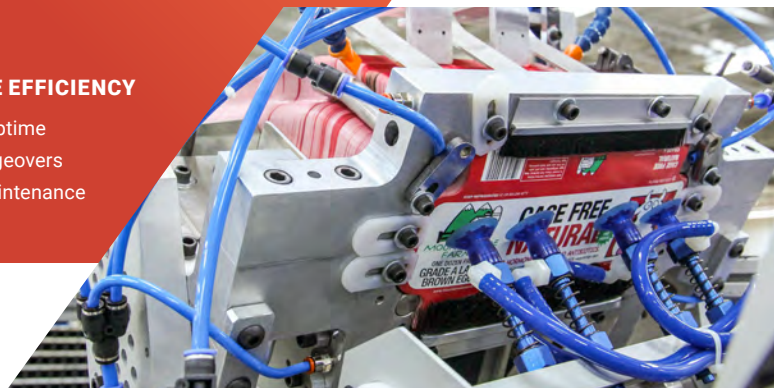
Features and Benefits

Performance

❯ Maintenance-free brushless servo drive with high speed and acceleration
❯ Vacuum suction with pneumatically actuated blow off
❯ Six-arm rotary feeder with adjustable spring loaded suction cups
❯ Low backlash planetary drive system

Efficiency

❯ Autoloader module for extended magazine capacity and automatic product in-feed*
❯ Twist lock handles for adjustable module position
❯ Adjustable magazine mounting bracket with position indicators
❯ Tool less adjustable product clips
❯ Touch screen human-machine interface

Reliability

❯ Pneumatic separators prevent double product pickup
❯ Oil free, air cooled vacuum pumps
❯ Anodized aluminum build
❯ Polycarbonate safety hood

Compatibility

❯ Modify product pick up and drop off points with adjustable cam
❯ Mobile stands*
❯ Optical sensor kit*
❯ Rotary encoder kit for on the fly speed synchronization*

* Optional

Materials Handled

❯ Cards (paper, PVC, metal)
❯ Folding cartons (paperboard, PET)
❯ Corrugated boards
❯ Corrugated containers
❯ PSA labels (velcro, scratch-off, activation, RFID, magstripe)
❯ Wet labels
❯ Packaging inserts (leaflets, sachets, samples)
❯ Pharmaceutical inserts & outserts
❯ Marketing collateral
❯ Product samples
❯ Flexible packaging
❯ 3D products and components cards
❯ Plastic trays
❯ Thermoforms
❯ Foil trays

Module Specifications

Performance

Max. speed	30,000 PPH	
Placement accuracy	TBD	

Physical

Magazine size	TBD	
Number of arms	6	
Arm width	305 mm	12"
Unit length	864 mm	34"
Unit width	559 mm	22"
Pick & place diameter	660 mm	26"

Product

Min. product size (L × W)	32 × 32 mm	1.25 × 1.25"
Max. product size (L × W)	279 × 229 mm	11 × 9"
Min. product thickness	0.05 mm	0.02"
Max. product thickness	6 mm	0.25"

Applications

Cards

Plastic Trays

Rigid Windows

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