

Speed. Accuracy. Efficiency

HIGH SPEED
30,000 PPH

PLACEMENT ACCURACY
±0.02"

OPTIONAL AUTOLOADER
68" magazine



RPP-300

Reciprocating Pick and Place

The RPP can operate as stand-alone or integrated into existing systems for typical and complex applications such as, collating, blister sealing, inserting or labelling.

Low-Cost Ownership and Minimal Maintenance

Pack-Smart Reciprocating Pick and Place machinery is ideal for picking almost any size or shape of product from a vertical stack and placing it onto a conveyor, downstream automation module or onto another product. The RPP can operate as stand-alone or integrated into existing systems for typical and complex applications such as, collating,

blister sealing, inserting or labelling. Unit comes with standard gravity magazine; however, it can be upgraded to extended capacity and millstream magazines. Digital servo drive is the heart of RPP, it allows for synchronization with most downstream equipment using optical sensors and rotary encoders.



3D Products



Cards



Flexible Packaging



Folding Cartons

packsmartinc.com

 **PACK-SMART INC.**
ENGINEERING THE IMPOSSIBLE



REDUCE COST

- › Low-cost ownership
- › Maximize throughput
- › Reduce cost of consumables



GROW YOUR BUSINESS

- › High placement accuracy
- › Wide variety of product types & sizes



INCREASE EFFICIENCY

- › Maximize uptime
- › Quick changeovers
- › Minimal maintenance



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

Applications



Cards



Plastic Trays



Rigid Windows

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



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