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RP Rotary Feeder

The RP planetary motion pick and place system allows for handling of inconsistent and rigid products. Products such as fluid filled pouches, custom packaging handles, re-closable fitments, coupons, pharmaceutical cartons, CDs and DVDs, plastics cards and other challenging products are a natural fit for the RP Feeder.

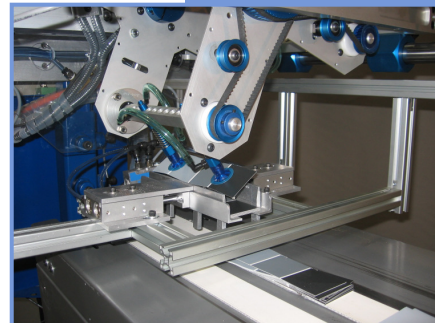
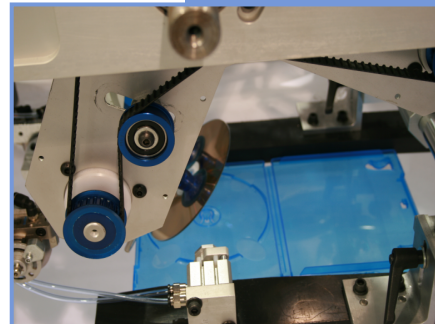
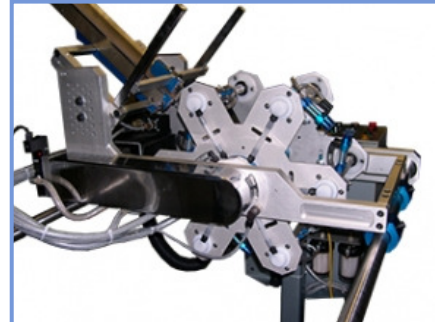
With speed capabilities of up to 800 packages per minute this feeder has it all. With over twelve standard configurations this unit offers unmatched flexibility.

Our servo controlled system allows for integration with third party equipment such as transport conveyors, folder gluers, finishing or packaging lines with minimum downtime. Macro programming enables the operator to select functions needed for specific jobs without the confusing parameters.

The suction arms are articulated and have the ability to rotate 360 degrees. Together with the advanced servo technology, this is what sets the Pack-Smart machines apart from more conventional Pick-and-Place feeders.

RP Standard Features

- High Torque brush less servomotor
- Colour touch screen operator interface
- Planetary gear system
- On the fly placement position adjustment
- Electronic speed synchronization module
- Line speed encoder with mounting bracket, wheel and cables
- Product Sensor (fibre optic)
- Maintenance and production data menus
- Vacuum Release adjustment
- Vacuum cup angle adjustment
- Self contained dual vacuum system, 1HP and 1/3HP Vane pumps
- Safety guards with interlocks
- Pressurized blow off feature
- Universal magazine
- Dual suction cup system
- Missing product input option (sensor optional)
- Low magazine input option (sensor optional)





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RP Optional Features

- Autoloader
- Batch counters
- Secondary alignment modules
- Mobile Stands
- Vacuum transport conveyors
- Pneumatic escapements
- Carrier registration modules

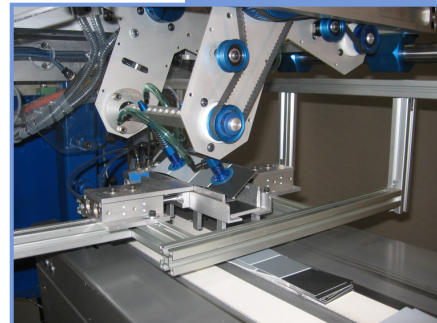
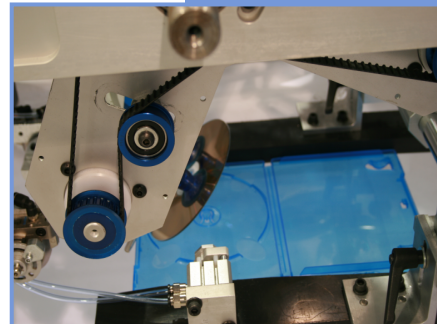
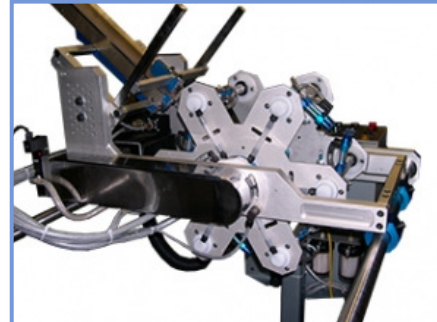
Realignment Module

- Improves placement accuracy by preventing skew
- Reduces setup times
- Better product control
- Module speed is exactly matched to host speed
- The item to be placed has less distance to travel
- Using this system, the advantages of both pick and place and friction feeding are attained
- Dual streaming of items is still possible as four chains are included as standard

Product Size	RP911	RP912	RP924	RP944
Min. width:	25mm	25mm	25mm	25mm
Min. Length:	25mm	25mm	25mm	25mm
Max. Width:	152mm	305mm	610mm	1100mm
Max. Length:	178mm	178mm	178mm	178mm
Max. Thickness:	12mm	12mm	12mm	12mm
Placement Accuracy	±1.6mm	±1.6mm	±1.6mm	±1.6mm

Space Requirements on Host Machine

Across the Machine:	940mm
With Realignment module:	1000mm in running direction
Without Realignment module:	760mm in running direction





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RP Rotary Feeder

Technical drawings of the RP Rotary Feeder showing various views and dimensions:

- Top View:** Shows the overall layout with a width dimension of 14 inches.
- Front View (Left):** Shows the height dimensions: A) 21, B) 38.
- Front View (Right):** Shows the height dimensions: A) 18, B) 32, C) 52.
- Bottom View (Left):** Shows the width dimension of 28 inches.
- Bottom View (Right):** Shows the width dimension of 33 inches and height dimensions: B) 22, 23, C) 23.
- Bottom View (Right):** Shows the width dimension of 29 inches and height dimensions: A) 29, B) 29, C) 29.

Other Available Sizes:
 A) RP 11
 B) RP 24
 C) RP 44
 Sizes listed in inches

ENGINEERING STATUS:	WIP
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DWG NAME	12" ROTARY PLACER
DWG NO.	RP-12-01