

# Horizon

ROTARY DIE-CUTTING

# RD-3346

Simple, high quality, compact  
rotary die-cut system.

# IMPROVE YOUR DIE-CUTTING PROCESS.

Quick, easy change over and simple operation. Rotary Die-cut System allows flexibility across a wide range of products.



Rotary Die-Cutter RD-3346 + Separator SPC-3346

## BENEFITS

### SIMPLE AND EASY OPERATION

Reduces costly labor steps and increases productivity with easy setup and operation versus steel rule or mechanical dies.

### SPACE SAVING

Rotary Die-cutter designed to meet the growing demand for short run production. The rotary die-cutters are of rugged construction, yet compact compared to the normal die cutters.

### APPLICATION FLEXIBILITY

Die-cut and Kiss-cut of various substrates for digital and offset printed sheets.

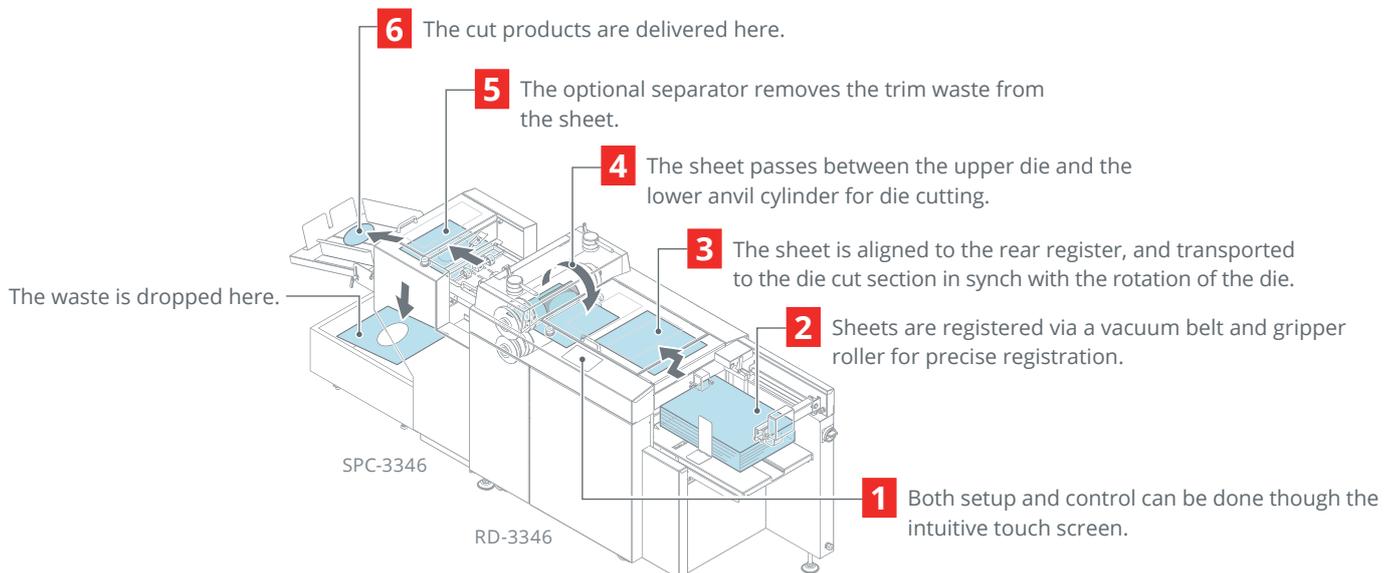
### LABOR SAVING

Feeding, die cutting, and separating are achieved in one pass.

### REDUCED DIE COST

Uniquely designed servo motor controlled "Repeat Register" feature allows multiple-up applications from a single-up die to minimize die cost.

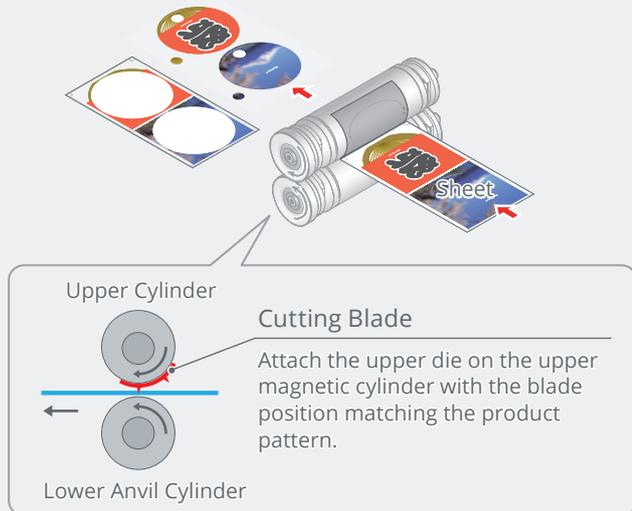
## SHEET FLOW



## DIE-CUTTING MECHANISM

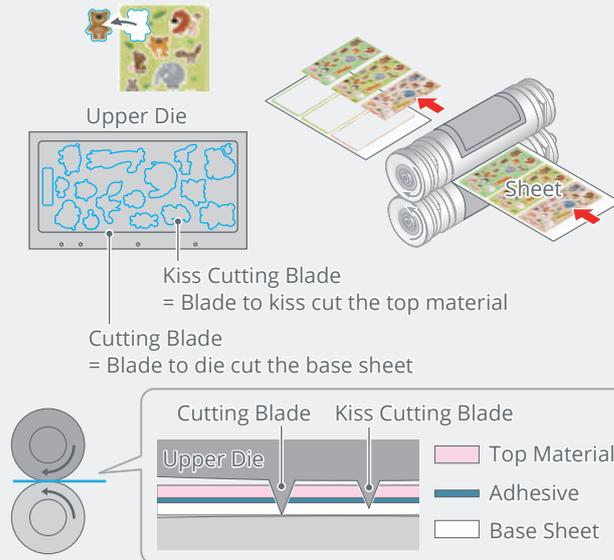
### DIE CUTTING

Die-cutting is performed by using a die to press against the lower anvil cylinder. Up to 0.3 mm (0.011") of material thickness can be cut.



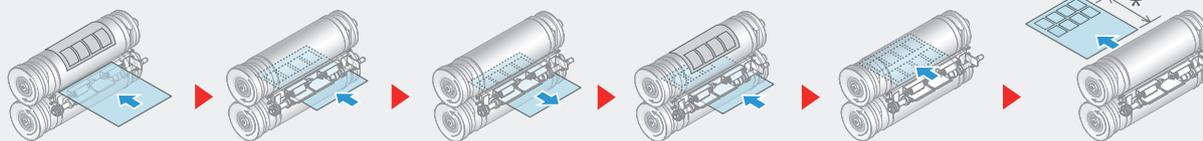
### KISS CUTTING

Die-cutting and Kiss cutting can be performed at the same time by using a die which has two different blade heights. Ideal for making stickers and labels.



### REPEAT REGISTER

Repeat register function enables the running of multiple up imposed applications with a smaller die to reduce die cost. (Up to 8 repeats)



\*Required Gripping Width: 130 mm (5.12") or longer

## OPTIONS

### MS-3346 MARK SENSOR

- The mark sensor reads the mark printed on the lead edge of the sheet. If the printing image shifts, the position is automatically corrected to process the sheet accurately.



### RD-NP NICK PUNCH

- The nick punch is a tool to make nicks on the die easily without damaging the die.



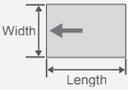
### ST-3346 STACKER

- ST-3346 stacks a wide range of substrates and applications such as thin sheets or complicated shapes which can be difficult to separate.
- Maximum stack capacity: 70 mm / 2.75"



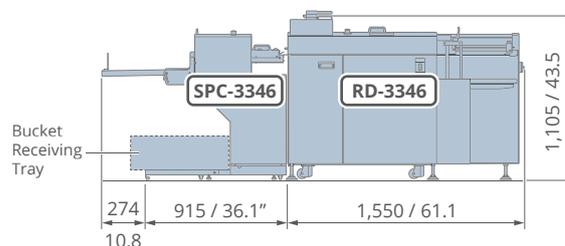
# SPECIFICATIONS.

## Machine Dimensions. (Unit: mm or inch)

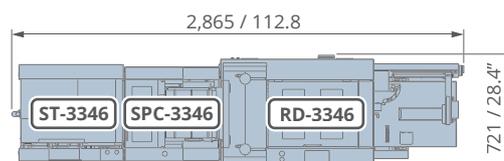
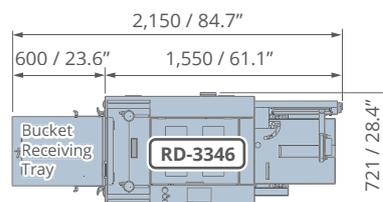
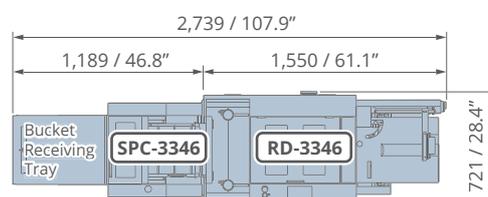
RD-3346	
<b>Sheet Feeding System</b>	Air Suction Feed Belt
<b>Sheet Size (Before processing)</b>	<b>Width x Length</b> Max. 330.2 x 550 mm or 13" x 21.65" *L400 to 460 mm or 15.745" to 18.11": The production speed is reduced to half. *L460 to 550 mm or 18.11" to 21.65": Repeat die cutting only. Min. 170 x 275 mm or 6.69" x 10.83" 
<b>Cut Product Size</b>	With separator: Max. 306 x 440 mm or 12.047" x 17.322" Min. 40 x 60 mm or 1.575" x 2.363" Without separator (with nicks): Max. 314 x 440 mm or 12.36" x 17.32" Min. Depending on die shape
<b>Processed Material</b>	Normal paper, Coated paper, Cardboard
<b>Material Thickness</b>	127.9 to 270 gsm Max. 0.3 mm or 0.011"
<b>Feeder Stack Height</b>	150 mm or 5.90"
<b>Die Size Upper Die</b>	Max. W330 x L460 mm or W12.99" x L18.11" Min. W160 x L70 mm or W6.30" x L2.76"
<b>Upper Cutting Blade Height</b>	0.6 mm or 0.0236"
<b>Production Speed</b>	Die cut roller 5,000 cycles per hour If the sheet length is longer than 400 mm or 15.75", the number of processing sheet is limited to 2,500 sheets per hour. When the ST-3346 is connected, the number of processing sheet is limited to 2,500 sheets per hour.)
<b>Voltage/Frequency</b>	Single Phase 200 to 240 V, 50 or 60 Hz
<b>Machine Dimensions</b>	With separator: W2,739 x D721 x H1,105 mm or 107.9" x 28.4" x 43.5 Without separator: W2,150 x D721 x H1,105 mm or 84.7" x 28.4" x 43.5
<b>Recommended Air Source</b>	Rated Output of Prime Mover (Reference): 0.75 kW Required Pressure: 0.6 to 0.8 MPa Required Discharge: 85 Liters per minute Type: Oil-free Type

\*The machine design and specifications are subject to change without any notice.  
\*Specifications may vary depending on the job, paper quality, environmental influences, and various other factors. Please do a test run before starting production.

(Front View)



(Top View)



## Horizon

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