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Horizon SmartSlitter Sheet Cutter and Creaser

All-In-One Solution Performs Slit, Gutter Cut, Edge-Trim, Cross-Cut, Perforate and Crease in One Pass

The SmartSlitter offers a host of innovative features for easy operation and production flexibility. Perforation, creasing and slitting can be performed in both horizontal and vertical directions in the same pass.

The system can deliver multiple-up greeting cards with or without creasing. For accordion-fold applications or perfect bound books, up and down creasing can also be performed in one pass. The system can produce standard size business cards printed 21-up on a sheet and process to a receding stacker for easy handling. It accepts sheets up to 14.33" x 26.37" and can deliver finished sheets just under 2" x 2".
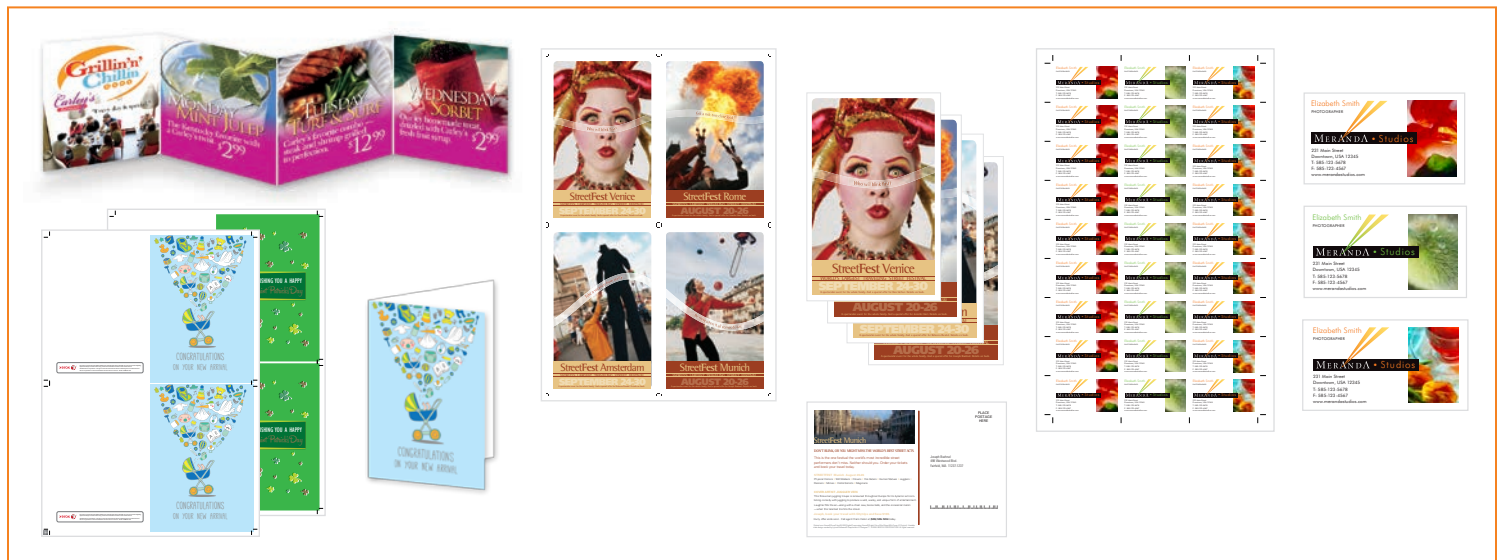
Features

- Creasing, perforating and sheet cutting can be performed for various applications such as business cards, shop cards, invitations, greeting cards, laminated sheets and covers for perfect binding.
- Skip Perforation cassette enables skip perforation for various applications such as coupons, tickets and checks.
- Print mark registration automatically adjusts for digital print image shift from sheet to sheet.
- Quick, easy and accurate job setup via barcode or 2D code for automated changeover. Or simply input setup requirements via the user-friendly color touchscreen.
- Six rotary slitters accommodate bleed trim or gutter cuts for 3-up output.
- JDF Workflow can be enhanced from upstream to postpress using the Horizon SmartConnect System.

Benefits

- Quick changeover between jobs of different sheet size, imposition, cutting position and processing type (creasing or perforating).
- Easily stores the setups of frequently used jobs.
- Allows for perforation in cross-process direction.

Horizon SmartSlitter Sheet Cutter and Creaser Specifications

Sheet Feeding System

Air Suction Feed Belt

Sheet Size (Width x Length)

- Max. 370 mm x 670 mm/14.33" x 26.37"
- Min. 210 mm x 210 mm/8.27" x 8.27"

Sheet Weight Range

- Normal Paper: 81.4 to 350 gsm/20 lb Bond to 17 pt Cover
- Coated Paper: 70 lb Text to 17 pt Cover

With Rotary Perforation Unit PRF-36

- Normal Paper: 81.4 to 209 gsm/20 lb Bond to 10 pt Cover
- Coated Paper: 128 to 256 gsm/80 lb Text to 11 pt Cover

Feeder Pile Height

150 mm/5.9"

Impact Creasing Mechanism

- One set of positive and negative
- Number of impact creasing lines: 20

Production Speed

- 55 sheets per minute (A4/8.5" x 11" short-edge feeding, two cuts, one creasing line)
- 48 sheets per minute (JIS B3/14.33" x 20.27" short-edge feeding, two cuts, one creasing line)

Voltage/Frequency

- Single Phase 200 to 240 V, 50/60 Hz
- Without CE: Single Phase 200 to 240 V, 50/60 Hz
- For UL: Single Phase 208 to 220 V, 50/60 Hz

Machine Dimensions (W x D x H)

- 3,100 mm x 765 mm x 1,470 mm/ 120" x 30.1" x 57.9" (when the tray is used)
- 2,495 mm x 765 mm x 1,470 mm/ 98.2" x 30.1" x 57.9" (when the tray is folded)
- 3,495 mm x 765 mm x 1,470 mm/ 137.6" x 30.1" x 57.9" (when the optional SMSL-CV is used)

Machine Weight

- SMSL-100: 546 kg/1,202.7 lb
- SMSL-CR: 14 kg/30.9 lb
- SMSL-PR: 17 kg/37.5 lb
- SMSL-CV: 27 kg/59.5 lb
- SMSL-ST: 10 kg/22.1 lb

Standard Equipment Included

Rotary Perforation Cassette SMSL-PR

Perforation is performed in the direction of paper feeding. Two rotary perforation units are equipped. Skip perforation can be performed.

Rotary Creasing Cassette SMSL-CR

Creasing is performed in the direction of paper feeding. Two rotary creasing units are equipped.

Impact Perforation Unit PRF-36

Perforation lines can be made in the width direction by replacing the first creasing unit.

Impact Creasing Unit

Different widths of creasing lines are available using this unit; standard width is 0.8 mm/0.031".

- 0.5 mm /0.020" (thin)
- 1.3 mm/0.512" (thick)
- 2.0 mm/0.079" (thick)

Integrated Camera SMSL-CA

This camera reads the print registration mark or barcode to adjust the cutting, perforating and creasing position according to image position. The camera is also used to read the barcode for automatic job setup.

Conveyor SMSL-CV

Finished product is delivered on a motor-driven conveyor. Batch and pausing can be performed by the pre-set number set at the touchscreen.

Stacker SMSL-ST

Suitable to receive small products such as business cards or greeting cards. Stacker tray height descends automatically. It can stack up to 90 mm (3.54") high.

Contact your Xerox representative for details and to find out more about our finishing options.
Specifications subject to change without notice.

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