SPECIFICATION

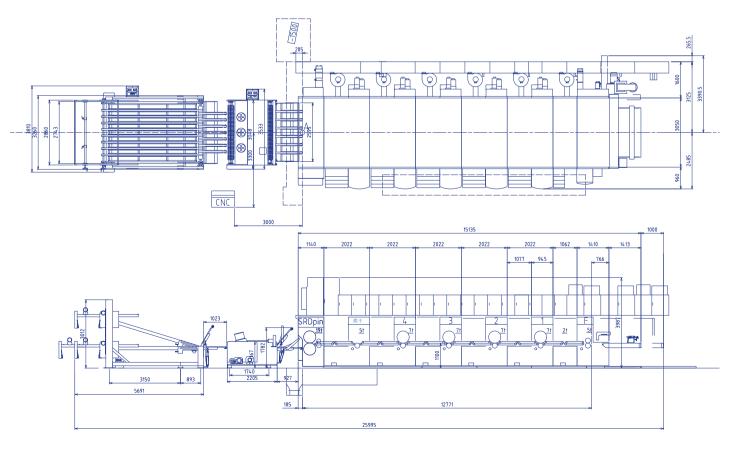
Data	600 x 1800	900 x 2000	900 x 2400	1200 x 2400	1200 x 2800	1400 x 2400	1400 x 2800	1600 x 2800	1600 x 3200
Max. machine speed (sheet/min)	400	330	300	280	250	230	230	200	180
Max. sheet size (mm)	600 x 1800	880 x 2000	880 x 2400	1180 x 2400	1180 x 2800	1380 x 2400	1380 x 2800	1570 x 2800	1570 x 3200
Min. sheet size (mm)	200 x 435	280 x 670		320 x 680		360 x 680		420 x 710	
The size of the blanks for the pass (mm)	860 x 1800	1100 x 2000	1100 x 2400	1500 x 2400	1500 x 2800	1700 x 2400	1700 x 2800	1900 x 2800	1900 x 3200
Max. printing area (mm)	600 x 1700	850 x 2000	850 x 2400	1150 x 2400	1150 x 2800	1350 x 2400	1350 x 2800	1540 x 2800	1540 x 3200
Thickness of the printed blank (mm)	7.2								
Min. panel size (mm)	180 x 55 x 180 x 55	245 x 65 x 245 x 65		250 x 65 x 250 x 65			265 x 65 x 265 x 65		
Max. cutting depth (mm)	160	250		320				560	
Max. sheet thickness (mm)	8	11					15		
Min. height of the box (mm)	50								

MAIN FEATURES

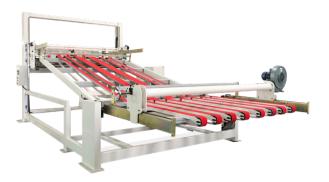
- The technology can be used in lines with both top and bottom printing. Accordingly, the stamping roll can be located either below or above.
- At the moment, the available order format is 1400-2400 mm. Other sizes will be available later.

MAIN SECTORS OF TECHNOLOGY **APPLICATION**

- High speed and efficiency: a speed of 200 blanks per minute, with the ability to cut multiple blanks from a single sheet.
- Unique and unconventional die design (straight cutting rules without teeth allow for high precision).
- Hard counter cutting plate (made in Japan) with the option for attaching a counter matrix enables achieving flat press accuracy.
- Typically used for large print runs requiring high precision (quality of flat cutting).



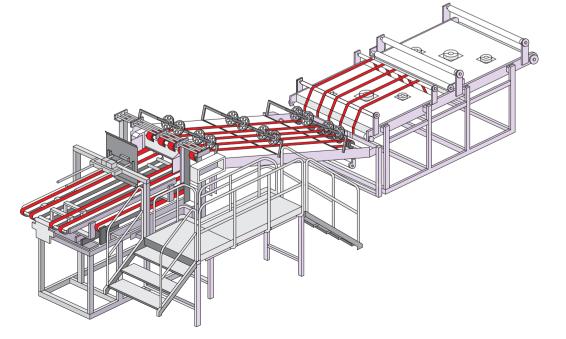
PERIPHERAL EQUIPMENT FOR THE LINE MOVABLE RDC



AUTOMATIC STACKER WITH COUNTING

Title			
Max. workpiece stacking speed	250 per min		
Max. sheet size	1600 x 2800 мм		
Min. sheet size	400 х 700 мм		
Coverage area (L x W x H)	3500 х 4800 х 1700 мм		
Weight	3200 kg		
Power	8,8 kW		
Voltage	380V/50Hz, 3 phases		

AUTOMATIC TRANSFER FOR FLAT DIE-CUTTING





VACUUM TRANSFER VIBRATION REMOVAL SECTION

Title			
Max. workpiece stacking speed	250 per min		
Max. sheet size	1600 x 2800 mm		
Min. sheet size	400 x 700 mm		
Coverage area (L x W x H)	9350 x 4840 x 3300 mm		
Weight	4000 kg		
Power	16.5 kW		
Voltage	380V/50Hz, 3 phases		

SHINKO MACHINE SUPER ALPHA MOVABLE RDC





* MOVABLE SERVO-DRIVEN FLEXO PRINTING LINE WITH TOP OR BOTTOM PRINTING

RDC TOP / BOTTOM PRINTING

FEEDING UNIT

- Vacuum servo feed without feeding nip rollers.
- Control system with touchscreen.
- Sectional expansion and connection are operated by button, and torque limiting device prevents overload.
- Automatic determination of zero point for the feeding unit and other sections (printing, creasing, die-cutting).
- No need for rotation to reconfigure the order, positioning occurs at the closest distance possible, increasing accuracy and saving time.
- Powerful dust removal device and static electricity removal device.

DUAL SLOTTING UNIT

101000

(creasing unit + slotting unit)

- Double slitting section.
- Creasing section: pre-creasing and creasing; slitting section: front and rear slitting shafts.
- The middle blade is movable.
- Order setting and positioning function: automatic detection of the relative position difference with the feeding device and adjustment directly without resetting to zero, which improves accuracy and saves time.

PRINTING UNIT

U SHINKO

ALPHA

- The printing cylinder is driven by a servo motor, and it takes only 15 seconds for a full revolution, minimizing the setup time for cliches.
- · Computerized automatic plate fixing system.
- Automatic adjustment of impression roller and vacuum transfer for the thickness of the substrate.

DIE CUTTING UNIT

- Fully servo-driven die-cutting section.
- Bandage micro-grinding system.
- Automatic detection of relative position difference of the feeding section is adjusted directly without returning to the zero position, which increases accuracy and saves time.

CNC COMPUTER CONSOLE

- Color touchscreen on the main console.
- Feeding, printing, creasing, and die-cutting can be adjusted separately on the touchscreen.
- Each section has an independent PLC system and communication interface.
- Ability to adjust pressure by selecting the type of corrugation.
- Sheet jam detection.
- ge when sections of the machine are moved.
- Display of machine status, overload, and errors.



- Single-button control function (test printing from a single sheet, standard production capability).
- Equipped with remote diagnostics and maintenance function.
- Feeder section with full servo drive, printing section, perforating section, and rigid die-cutting section.
- Utilizes the Japanese Yaskawa servo control system.
- The printing cylinder is driven by a servo motor, requiring only 15 seconds for a full rotation.
- Utilizes an automatic computerized system for locking printing forms.
- Die-cutting adjustment precision can reach 0.01 mm.
- Die-cutting quality can achieve flat die-cutting level with ± 0.5 mm accuracy
- The entire machine is designed and manufactured in accordance with requirements for die-cutting quality, high speed, reliability and safety, quick job changeovers, and ease of operation.
- Capability to connect to an ERP production control system.

HARD DIE CUTTER'S UNITS

1400 x 2400			
275			
1380 x 2400			
1700 x 2400			
1350 x 2400			
7.2			
250 x 65 x 250 x 65			
320			
12			
50			

oatento

nink

- Protection of electrical wiring from breaka-

I.R. DRYER (optional)

- It uses a highly efficient infrared drying device to speed up the drying of cardboard and enhance printing efficiency.
- Adjustable temperature.
- Visual detection devices, and a barcode printing device, are optional.



ROTARY DUE-CUTTING UNIT (Top printing)

- Fully servo-driven die cutting unit.
- Upper and lower solid die-cutting shafts.
- Stainless steel shaft for rigid die-cutting (thickness 0.05 mm).
- A special solid metal shaft is used to achieve high precision die-cutting, and the die-cutting quality can reach a flat die-cutting accuracy of ± 0.5 mm.

BELT TRANSFER UNIT (optional)

 It is installed between the final printing section and the rotary die-cutting section.



ROTARY DUE-CUTTING UNIT (Bottom printing)

- Fully servo-driven die cutting unit.
- Upper and lower solid die-cutting shafts.
- Stainless steel shaft for rigid die-cutting (thickness 0.05 mm).
- A special solid metal shaft is used to achieve high precision die-cutting, and the die-cutting quality can reach a flat die-cutting accuracy of ± 0.5 mm.