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## AUTOMATED SET-UP FOLDER GLUER - SQ-1100PCC-R



## Taking Automation to the Next Level

Coupled high-speed genes of our best SQ platform (650-700m/min) with the latest structural innovation, the state-of-the-art servo drive and positioning technologies, we make a new world-class high-end intelligent folder gluer.

Most flexibility & productivity, automated job set-up, fastest change-over, outstanding consistent folding quality, and processable material up to B flute corrugated cardboard, everything is possible in our new SQ-1100PCC-R automated set-up folder gluer. We are building a new dream model for the folding carton industry.



## AUTOMATED SET-UP FOLDER GLUER - SQ-1100PCC-R



Technical Data	SQ-850	SQ-1100	SQ-1250
Carton or solid board		200-800 gsm	
Corrugated cardboard		N, F, E, B	
Max. thickness of folded boxes		15 mm	
Max. belt speed	700 m/min	650 m/min	450 m/min

### Automated set-up and job memory

- Fully automatic make-ready for standard type boxes after input the key dimensions, including the straight-line, crash lock bottom, double wall, 4 corner, 4 corner with lid, and 6 corner boxes.
- Job memory: all job data and setting positions can be recalled for repeat jobs using saved parameters in the HMI.
- Remote controller and 2 sets of HMI provide the best friendly operation experience for users.

### Innovated structure design with fastest change-over time

- The front lock & block accessories for crash lock bottom and 4/6 corners are designed for specific usage at two independent sections; all tools are lifted and positioned by servo motors without dismantling. Therefore, for many jobs, the tooling changes are completely NOT necessary.
- Change-over time drops dramatically to a few minutes for many jobs.

### Option

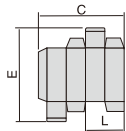
- Inline print inspection & inline Braille embossing
- Inline window patching
- The pre-feeder, packer, turning section can be added upon customized request as well.



## AUTOMATED SET-UP FOLDER GLUER - SQ-1100PCC-R

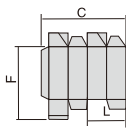
### Blank Specification

#### Straightline boxes



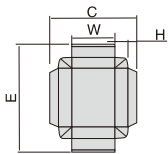
		SQ-850	SQ-1100	SQ-1250
C	mm	76-850	76-1100	76-1250
E	mm	60-800	60-800	60-800
L	mm	35-410	35-535	35-610

#### Lock-bottom boxes



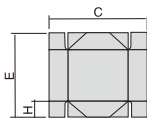
C	mm	156-800	156-1000	156-1150
F	mm	60-800	60-800	60-800
L	mm	75-390	75-490	75-565

#### Double wall boxes



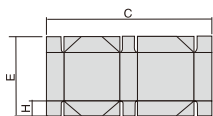
C	mm	200-600	250-800	250-900
E	mm	120-800	120-800	120-800
W	mm	150-550	150-600	150-600
H	mm	25-120	25-150	25-150

#### 4-corner boxes



C	mm	180-800	180-950	180-1100
E	mm	130-800	130-800	130-800
H	mm	30-150	30-150	30-150

#### 6-corner boxes



C	mm	250-700	250-900	250-1050
E	mm	130-800	130-800	130-800
H	mm	30-150	30-150	30-150

#### HEASN INTERNATIONAL DEVELOPMENT LIMITED

Room 2903, Zhixin Center, No. 1067 Jinxiu Road, Wenzhou 325001, China.  
Tel: +86-577-88689918 | Email: info@heasn.com.cn | Internet: www.heasn.com.cn

#### HEASN EASTERN EUROPE d.o.o

Bulevar Oslođodilaca 120, 32000 Čačak, Serbia  
Tel: +38166 357741 | Email: office@heasn.rs | Internet: www.heasn.rs



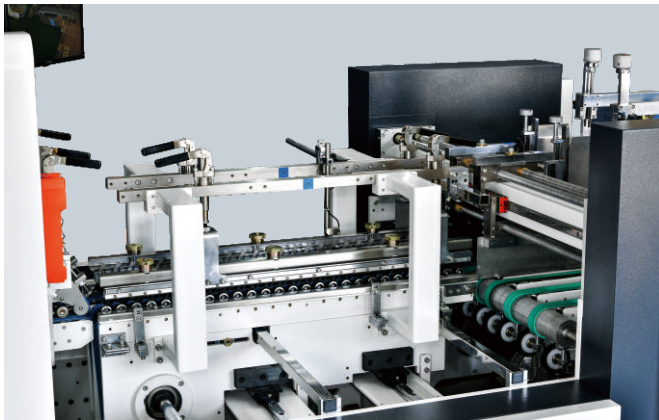


## AUTOMATED SET-UP FOLDER GLUER - SQ-1100PCC-R



### Feeding section

- Independent servo motor driven for stable feeding and accurate blank spacing.
- Servo motorized positions adjustment of 2 pile side guides, 2 feeding gates, and rear support. (for auto-set version only)
- 8pcs feeding belts, including 4pcs vacuum-assisted feeding belts.
- Belt-clean brush for each carrier.
- Pile vibrator equipped as standard.
- Pneumatic lift-up side plates and feeding gates.
- Remote control for feeder start/stop, speed adjustment.
- Monitor TV and touch screen controller

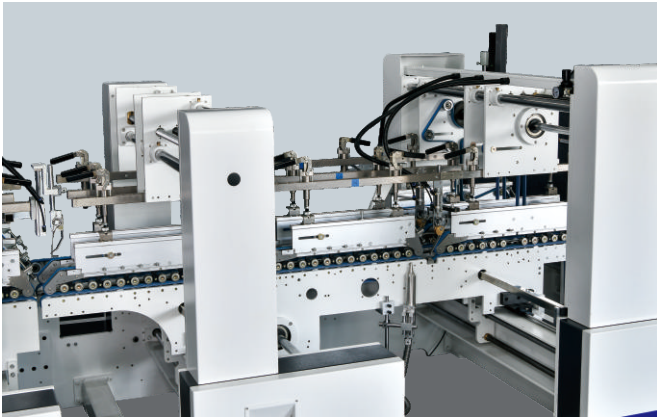


### Alignment section

- Three lanes carriers design.
- Two alignment carriers.
- One center upper belt carrier.
- Servo motorized carrier positions adjustment. (for auto-set version only)
- Position indicators.
- Can be easily converted to left or right side registration.



## AUTOMATED SET-UP FOLDER GLUER - SQ-1100PCC-R



### Pre-folding section

- Three lanes carriers design with upper belt transmission system.
- Servo motorized carrier position adjustment. (for auto-set version only)
- Pre-breaking sword for 1st creasing line by 180°.
- Belt pre-breaking device for 3rd creasing line by 135°.
- Belt brand: Nitta, Japan



### Crash lock bottom section

- Three lanes carriers design
- Two split carriers for left and right lanes; one complete carrier for center lane.
- Servo motorized carrier position adjustment. (for auto-set version only)
- Modular designed lock accessories with gluing guns for easy change, servo motorized up & down, left & right positioning. (for auto-set version only)
- Lock accessories no need to remove when you don't use.
- Position indicators.
- Belt brand: Nitta, Japan.



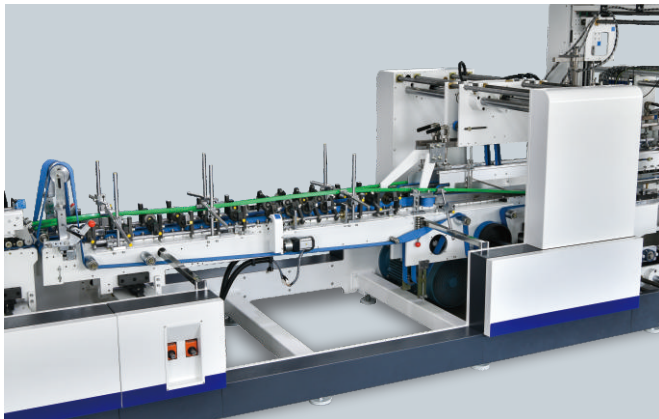


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### Lower gluer

- Lower gluer tank in both left and right sides.
- Glue disc width: 4.5mm or can be customized.
- Servo motorized glue tank movement. (for auto-set version only)
- Accurate volume control avoids glue splash at high speed.



### Final folding section

- Three lanes carriers design with upper belt transmission system.
- Removable center carrier. (for auto-set version only)
- Speed of left and right folding belts can be adjusted mechanically.
- Servo motorized position adjustment for left and right carrier. (for auto-set version only)
- Position indicators.
- Upper belt width: 23mm; lower belt width for center carrier: 30mm; lower belt width for left and right carriers: 50mm.
- Left folding belt width: 50mm; right folding belt: 50mm.
- Belt brand: Nitta, Japan.



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### Transfer section

- Main control panel with touch screen.
- Two lanes carriers design with upper belt transmission system.
- Servo motorized carrier position adjustment. (for auto-set version only)
- Ejection channel & ejector are equipped as standard.
- Telescopic upper and lower carriers easily adapt to box formats by servo driven. (for auto-set version only)
- High speed kicker counter and spraying counter.
- Camera for live status.
- Jam detector.



### Delivery section

- 5 meter advanced compression conveyor.
- Independent servo motor driven ensures the regular box stream.
- Two split pneumatic pressing.
- One sponge pressing belt.
- Height adjustable lower belt at conveyor entry for pressure control.
- Servo motorized forward & backward movement for upper section (for auto-set version only)
- Left and right position movable.
- Collection wooden table in the end.



# THANKS

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Room 2903, Zhixin Center, No. 1067 Jinxiiu Road, Wenzhou 325001, China.

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## **HEASN EASTERN EUROPE d.o.o**

Bulevar Oslododilaca 120, 32000 Čačak, Serbia

Tel: +381 66 357741 | Email: [office@heasn.rs](mailto:office@heasn.rs) | Internet: [www.heasn.rs](http://www.heasn.rs)

