BENEFITS BY NSD

01 Decreased 90% electric charge

02 Saving 2-3 labors cost

03 Better cardboard quality

04 Optimized lamination

05 Automated production

06 Optimized paper in stock

07 Increased production speed

08 Reduced wastage

09 Less downtiome

10 Flexible production

11 Minimal edge trim

- Splicer
- Tension Roll
- Belt Alignment
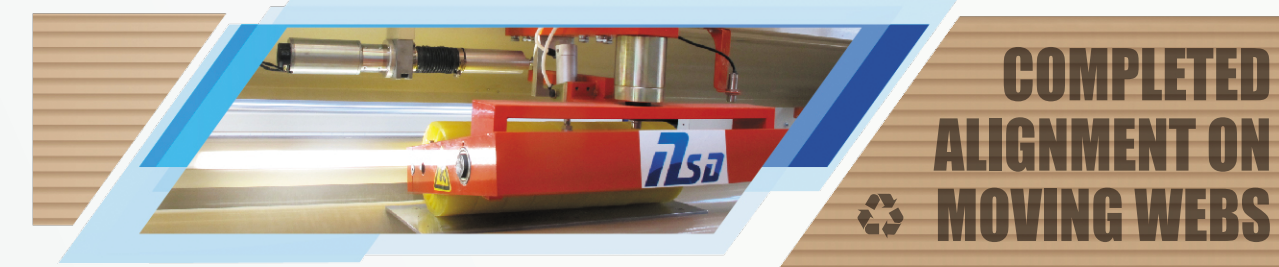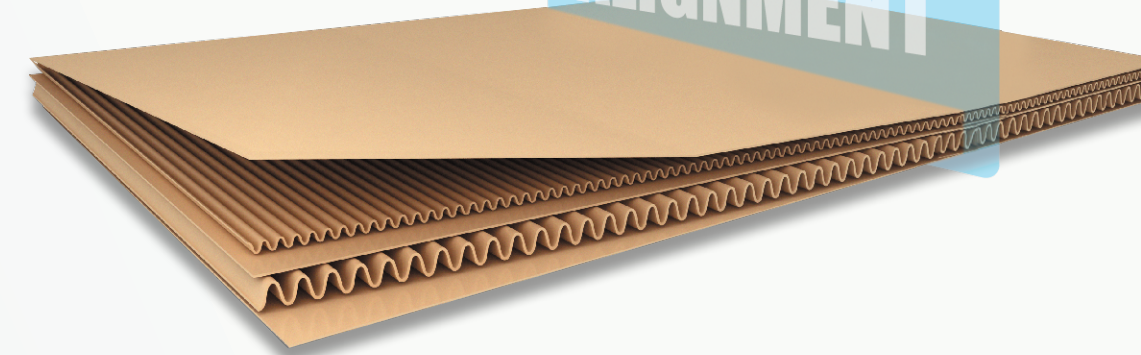- Bridge Alignment
- Trim Saver
- Single face alignment

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ACCURATE ALIGNMENT

COMPLETED ALIGNMENT ON MOVING WEBS

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CR-41 Compensation Roll

NSD CR-41 Compensation roll compensates self-adjusting thickness, length and longitudinal tension. To get same temperature and improve warp problem caused asymmetry temperature through asymmetry through tocuhing pre-heater well, improved well warp caused by different temperature.

MA-32 Medium Alignment

NSD MA-32 Guiding medium into single facer according to the liner position. Automatic alignment during width change provides an optimal lamination, most important it allows a best possible utilization of the paper width.

Technical date:

Weight: 1000Kgs

Working width: Max:2240mm, 2540mm, 2840mm;

Min:870mm, 1270mm, 1570mm.

Guiding Accuracy: ±1mm

Supply Voltage: 220VAC 50HZ/60HZ

Max Power Consumption: 1KW

Max Current Consumption: 5A

Control Voltage: 24V DC

Protection Grade: IP54

Environmental Temperature: -20℃-max 40℃

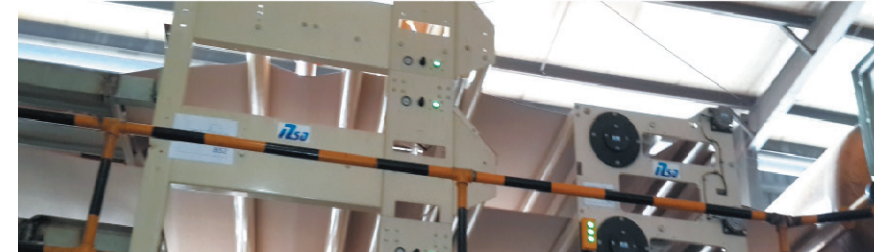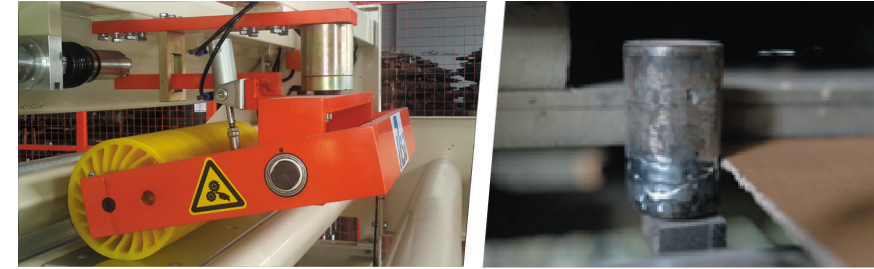Ari Temperature: 20%-85%(No condensed water)

Noise: <70dB(65.4dB)
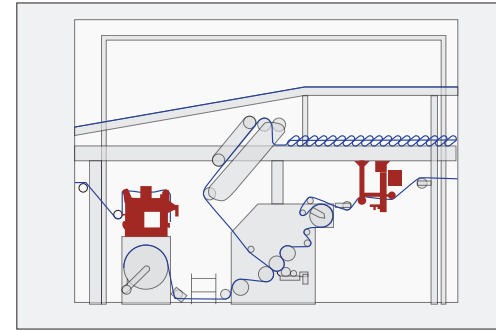
BWA-121 Bridge Web Alignment

The traditional mechanical guiding causes damages to the web edges and causes breakdowns in the production process. Glue contamination of the heating plates is easy to find, which lead to further production problems.

The automatic alignment of the single web is of high importance, NSD BWA-12 assure a continuous production process during with change.

Wide Band Sensor ensures a detection of single webs at any time. Through moving yellow wheel, the web is guided to the desired position according ot the liner without any stress.

Technical date:

Scanning: Wide Band Sensor

Sensor Resolution: ±1mm

Guiding Accuracy: ±2mm

Web Width Min. / Max: 1600mm / 500mm

1900mm / 800mm

2200mm / 1100mm

2500mm / 1250mm

Other web width on demand

Guiding Mode: Web center line / bottom line

Applicative Machine Speed: Max450m/min

Supply Voltage: 220VAC 50HZ or clarify

Max Power Consumption: 1KW

BTC-122 Bridge Tension Control

The production of cardboard with high quality requires stable tension. NSD BTC-122 guarantees a continuous and stable tension for single faced webs through detecting and controlling the unknown tension caused by the different frictional forces and paper grams. NSD BTC-122 can automatically control the tensioin while the tension is set. The closed loop of PID will keep the fixed and stable tension when the speed changes.
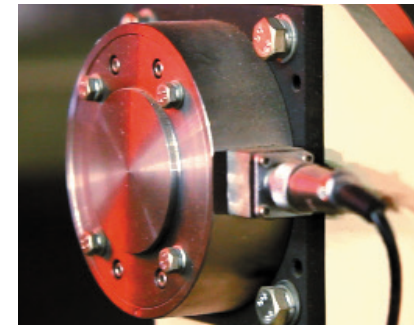
Shanghai NSD Automation Co.,LTh C		NSD		
Setting	0 KG	30	40	50
Manual	Speed Open	60	70	80
Actual	0 KG	90	100	120
Setting	0 KG	30	40	50
Manual	Speed Open	60	70	80
Actual	0 KG	90	100	120
Tension	Motor Running	9	5	Manual Tension

SSA-21 Slitter Scorer Alignment

NSD SSA-21 stabilizes the cardboard befor the trim firstly, meantime it guides slitter scorer move automatically according to the carboard position, which help customer to trim eaily, even no problem to trim the first cardboard during width change. Easier to get minimal trim and better for pre-printing.
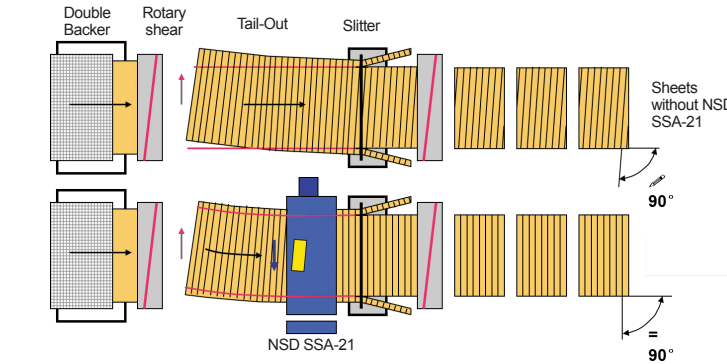
Technical date:

Guiding Accracy: +/- 1mm

Correction speed: 6mm / sec.

Correction stroke: max. +/- 75mm

Machine speed: 400 m / min

Sensor support frame

Web pass width: max. 2.540 mm and min. 1.270mm

or max. 2.240 mm and min. 970mm

Frame weight: 780kg

Infred sensor

precison   +/- 1 mm

Resolution: 1mm

Scan rate: max. 700Hz

Enclosure

Electrical enclosure: W x H x D: 800 x 1.600 x 300mm

Electrical connection: 3 x400 V 50Hz 3 x415 V 50Hz

3 x 200-540V 50-60Hz

3 x 460 V 60Hz 3 x 575 V 60Hz

Power consumption: 6.0kW

Ambient temperature: max. 40℃

Air humidity: 20-85%(no condense)

The right to technical modifications without notice is reserved.

NSD MA-32

NSD BWA-121   NSD BTC-122

NSD SSA-21