

# ISB-3G series

13,16,20 in-line squarer, bundler, strapper

New compact design. Faster throughput  
Greater availability.



■ Greater productivity

■ 10% more throughput

■ 30% less floor space

■ Faster set up time

■ Easy to set up and use

**SIGNODE®**

# ISB-3G series

13,16,20 in-line squarer, bundler, strapper

Extensively proven worldwide, with approaching 2000 successful machine placements, the Signode ISB is universally acknowledged as the 'industry standard' bundle/squaring/strapping machine, both in terms of performance and reliability.

Now, the new ISB-3G offers casemakers even greater production efficiency combined with the reliable, high-speed, low-maintenance operation, for which ISB is renowned.

5 reasons why the ISB-3G is the industry standard bundler squarer of its generation

The ISB-3G automatically squares and straps up to 32 bundles per minute, strapping in the flute direction. Now featuring even simpler construction and more durable parts, the ISB-3G offers outstanding reliability, providing customers with unequalled levels of productivity.



5 more reasons why the ISB-3G is the industry standard bundler squarer of its generation

#### Integral service programme

Signals maintenance requirements and provides system self-diagnostics

#### Reliable mechanical strapping head

Extensively proven simple to operate and easy to maintain

#### Space saving - fits almost anywhere

With a footprint of just 7 m<sup>2</sup> the ISB-3G uses 30% less floor space than competitor machines

#### Non-compliant bundle ejection table option

SIGSorter automatically removes identified defective bundles, significantly aiding zero defect product delivery

#### Auto strap coil change (auto splice) option

Enables strap coils to be changed automatically, providing continuous production with no down time

#### Less wear, service and energy needs

Just six motors control all operating functions, while competitors machines use up to 19 drive motors.

#### Smaller bundle sizes (Option)

ISB can handle bundles sizes of just 150 mm. Compare that to competitor machines.

#### Reduced set up time

Single or double pusher has easy automatic format change without removing / replacing the pusher.

#### ISB-3G table tops fitted with exit belts

For the smoothest, safest and fast bundle transport.

#### Easy to use HMI system

Provides complete process control and simplified set-up and service needs display.

## Industry standard performance and reliability

for higher productivity and lower ownership cost



#### HMI control

Accurate real time control set and operational control, plus simplified servicing through self diagnostics.



#### Modular design

A unique concept with stack widths from 150 mm to 2000 mm, plus a full range of options allows you to choose the perfect system for your requirements.



#### Automatic coil splicing

Strap is automatically spliced from a second dispenser to provide up to 20,000m of strap for continuous production with zero downtime.



#### Strapping simplicity

Machine uses economical narrow polypropylene strap with maximum efficiency, producing flat tight bundles that can be readily palletised.

# ISB-3G

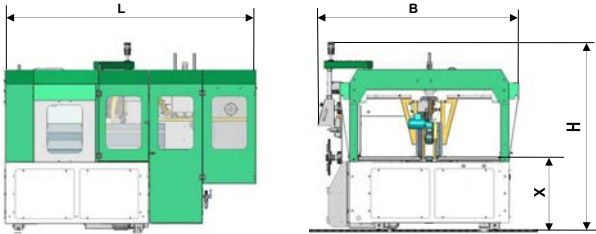
The third generation ISB-3G combines rationalised construction with even more durable wear parts for reduced total cost of ownership.

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## ISB Mono



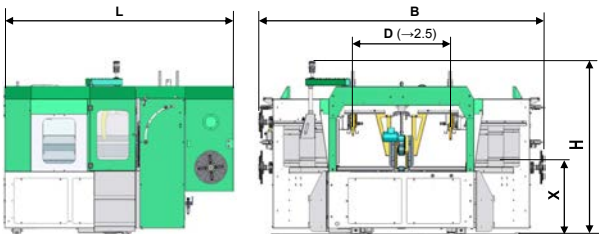
### Machine dimensions

Machine type	L	B	H	X
ISB 13 Mono	2.820	2.253	2.000	850-1.200
ISB 16 Mono	2.820	2.553	2.000	850-1.200
ISB 20 Mono	3.320	2.820	2.000	850-1.200

### Stack sizes

Machine type	Width		Length		Height	
	min.	max.	min.	max.	min.	max.
ISB 13 Mono	170	1.300	170	1.600	50	350
ISB 16 Mono	170	1.600	170	1.600	50	350
ISB 20 Mono	170	2.000	170	2.100	50	350

## ISB Twin



### Machine dimensions

Machine type	L	B min / max	H	X
ISB 13 Twin	2.820	2.650 / 3.500	2.000	850-1.200
ISB 16 Twin	2.820	2.650 / 3.500	2.000	850-1.200
ISB 20 Twin	3.320	2.650 / 3.500	2.000	850-1.200

### Stack sizes

Machine type	Width		Length		Height		Strap Dis		
	min.	max.	min.	max.	min.	max.	min.	max.	
13	Single Head	170	1.300	170	1.600	50	350	350	1.200
	Double Head	450	1.300						
16	Single Head	170	1.300	170	1.600	50	350	350	1.200
	Double Head	450	1.600						
20	Single Head	170	1.300	170	2.100	50	350	350	1.200
	Double Head	450	2.000						

All dimensions are in mm

## Specification

Capacity	Bundles / minute max.
With one pusher	22
With twin pusher (Option)	32
Conveyor speed	0.4-1m/s

### Strapping

Dylastic® Polypropylene	109 W 5 x 0,42 mm, 107 W 5 x 0,3 mm SBM 540 5 x 0,4 mm. Optional 9 x 0,35 mm
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### Power requirements

Mains supply	400 V, 3-phase, 50 Hz 460 V, 3-phase, 60 Hz
Power input	3-5 kVA
Recommended fuse	16 A
RCCBs (residual current circuit breakers)	≥300 mA

### Air supply

	5-7 bar, 0.5" quick disconnecter Air consumption: max. 360 l/min
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### Environmental conditions

Ambient temperature	+15° C to +35° C
Humidity	90 % max. (no dewing)

### Noise level

	L <sub>PA</sub> max. 83 dB (A)
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### Weight

	ISB 13 Mono	ISB 16 Mono	ISB 20 Mono
	1.900 kg	1.950 kg	2.100 kg
	ISB 13 Twin	ISB 16 Twin	ISB 20 Twin
	2.700 kg	2.800 kg	2.900 kg

## Options

Second bundle pusher	Exit conveyor
Upper compacting belt	Low on strap detection system
Automatic strap coil changing (autosplice)	Cooling fan in electrical cabinet
Automatic counter ejector alignment	Air conditioning in electrical cabinet
Strap removal / threading system	Powered entry conveyor ( 1.000 mm )
Optional 9 mm PP strap version	Special height machine undercarriage
Eject faulty bundles- in combination with SigSorter	200 mm strap core

