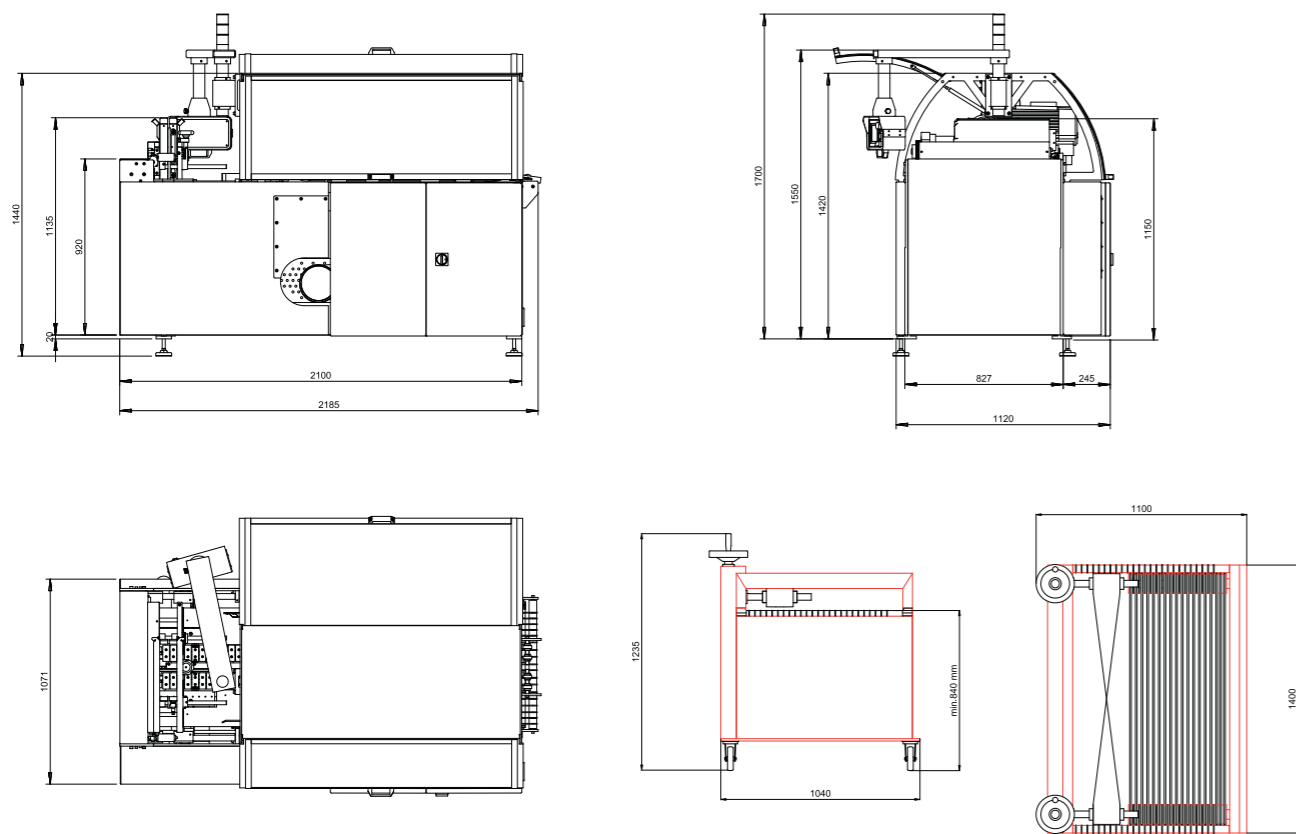


## SIERRA & WENDEBAND



### TECHNICAL DETAILS

#### SPEED OF THE MACHINE (mechanical speed)

- max. 13.000 2-up products/hour

#### SIZE OF THE PRODUCTS (length x width)

- min. 230 mm x 100 mm (9" x 4")
- max. 530 mm x 430 mm (21" x 17")

#### THICKNESS OF THE PRODUCTS

- min. 4 mm (1/6")
- max. 80 mm (3 1/8")

#### SIZE-CHANGE

- manual through hand-wheels (SE 20)
- automatic (SE 30)

#### POWER SUPPLY (without Wendeband)

- approx. 6.5 kw - 3 x 400V PNE 50hz

#### POWER SUPPLY (with Wendeband)

- approx. 7.5 kw - 3 x 400V PNE 50hz

#### WEIGHT OF THE MACHINE (without Wendeband)

- approx. 1100 kg

#### WEIGHT OF THE MACHINE (with Wendeband)

- approx. 1480 kg

#### DUST EXTRACTION SPEED

- 25 mt/sec.

#### DUST EXTRACTION VOLUME

- 28 mt/sec.



## SIERRA & WENDEBAND

### Book splitting saw & Turning belt

**SOLEMA**

Via Carducci, 18 • 24066 Pedrengo, Bergamo - Italy  
 Tel. +39 035 654111 • Fax +39 035 654112  
 e-mail: info@solema.it • web: www.solema.it  
 Cod.Fisc. / P.IVA: 01378420168  
 C.C.I.A.A di BG R.E.A. n° 200430 - Registro Imprese n° 01378420168

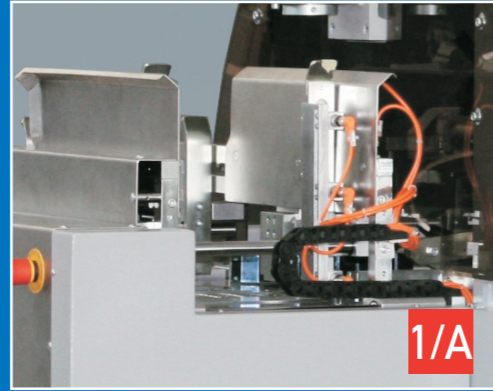
**SOLEMA**

### INFEED HOPPER



**IN-FEED HOPPER:** The book hopper can be manually fed or linked to a production line through a telescopic conveyor feeding from left, right or straight.

### AUTOMATIC HOPPER



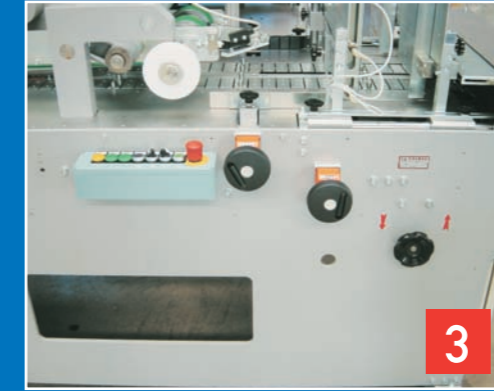
**AUTOMATIC HOPPER:** Upon request the hopper can be equipped with DC motors for automatic size change.

### CUTTING BLADE



**CUTTING BLADE:** The saw is equipped with a long life metal cutting blade available with thickness of 3 mm. Upon request a silicon spraying device can be mounted on the blade.

### OPERATING SIDE MANUAL



**OPERATING SIDE MANUAL:** Centralized adjustments with hand wheels and scales, provide fast makeready.

### AUTOMATIC MAKEREADY



**AUTOMATIC MAKEREADY:** Optionally the machine can be endowed with DC motors for automatic size change of the hopper. Size change data are entered through the multi-line operating panel.

### CONTROL BUTTONS



**CONTROL BUTTONS:** The control buttons are placed either on right and left side to easily operate the machine in the different configuration.

### FLIPPING STATION



**FLIPPING STATION:** The Wendeband turning conveyor can be used to turn products upside-down for proper orientation.

**F**ast, strong and reliable, the Sierra represents today's economic answer to the demand for two-up production in the book manufacturing industry. Either placed in-line or as a separate unit, the machine provides uninterrupted, accurate splitting of up to 13000 2-up books per hour with minimum cut width (2 mm WIDIA blade). The book hopper can be manually fed or linked to perfect binding line by telescopic conveyor from either side or from the back.

Photo electric controls maintain constant feeding level in the hopper. Books are then transported from the feeder by chain-mounted pushers and firmly clamped by running belts during the splitting phase. Pusher finger extensions can be easily mounted for when running thicker products. Centralise adjustments and hand-wheels provide fast makeready. Upon request, the hopper adjustments can be motorized with DC motors. The Sierra is complete with all necessary safety controls.

In order to simplify maintenance or products removal from cutting area, the blade/motor assembly, can be easily lifted by pushing a button. Dust extraction system can be connected to main plant installation, on request separate dust extraction can be requested. Optionally available is a spaying system to spray liquid silicon on the blade, in order to ensure more efficiency and longer durability of the blade.

After splitting, books can be automatically fed to a three knife trimmer. According to the printing method (2-up printed head to head / head to foot) the Wendeband turning belt can be placed at the exit of the saw to turn the products of 180° degrees upside down.

Depending on the configuration of the product, the Wendeband unit can be easily moved (on wheels) and be used to transport both blocks further without being turned or to turn the left or right block for correct orientation into the trimmer. The robust turning belts mounted on the Wendeband ensure a secure holding either of thin and thick products during the turning process.

