

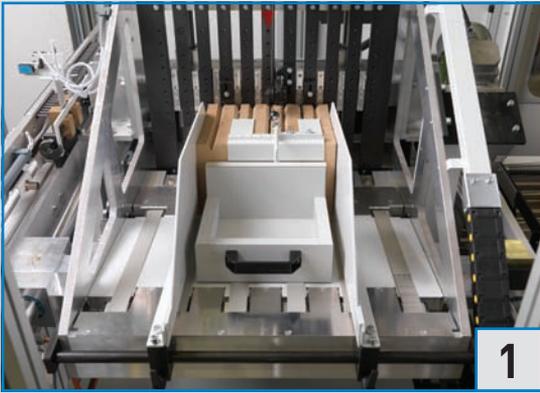
› INCORPORATING RODA

MOSER

Automatic Partition Assembler
for solid board



LOADER FOR LONGITUDINAL ELEMENTS



Longitudinal elements feeder is built on the top of the guiding channels, by means of a movable carriage that distributes in automatic the elements inside underlying channels. Elements are kept upright by a pressure system and moved to the injection area by means of belts.

LONGITUDINAL ELEMENT'S PROCESSING



Longitudinal elements are to be fed vertically onto the conveyor belt, inside the guiding channels. Standard machine is endowed with 9 guiding channels, more on request. Channels feeding operation it's done by a movable carriage.

COLLECTION TABLE



Assembled partitions are then delivered out of the machine by means of a belt conveyor, to be collected by hand or fed automatically in the **COLLAPSER (OPT)** closing and stacking device.

TOUCH SCREEN / ELECTRICAL CABINET



Machine is controlled and operated from the touch screen panel, installed on the machine closer to the operator side. From this HMI the operator processes and saves the data related to the different partitions like number of cuts in longitudinal element, motors speed, injection timing, etc.

MOSER is a very robust and versatile machine designed for the automatic assembly of solid board and micro-flute partitions.

The machine is manufactured from **SOLEMA** and integrate the best of the 70 years **RODA** technology and expertise in the construction of highly reliable assembly machines.

The relatively small footprint of **MOSER** allows its application even in very narrow places.

MOSER is endowed with a PLC with touch screen interface for job settings and to enable the possibility of saving all parameters of the specific product to be recalled in case of a repetitive work, minimizing the machine's set up time.

Production rates up to max. 35 partition sets/minute (depending on the partitions dimensions) and is delivered in standard configuration with nine longitudinal channels and the possibility of inserting up to fourteen cross elements.

For certain size partitions, in order to maximize productivity, the machine can run in double production mode, assembling two partition at a time, running side by side.

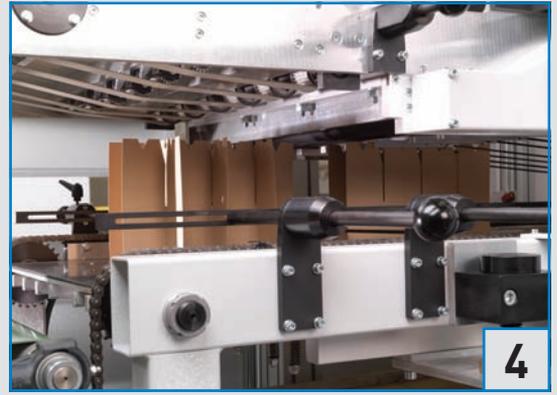
For an optimized running speed and productivity the machine can be optionally supplied with **COLLAPSER**: automatic folding, counting and batching of the assembled partition on a delivery table (**COLLAPSER** cannot be used when running in double production mode)

CROSS ELEMENTS PROCESSING



Cross dividers feeder is installed on the top of the interlocking area, in the middle of the machine. Elements are kept upright by a pressure system and moved to the injection area by means of belts.

LONGITUDINAL / CROSS ELEMENTS INTERLOCKING

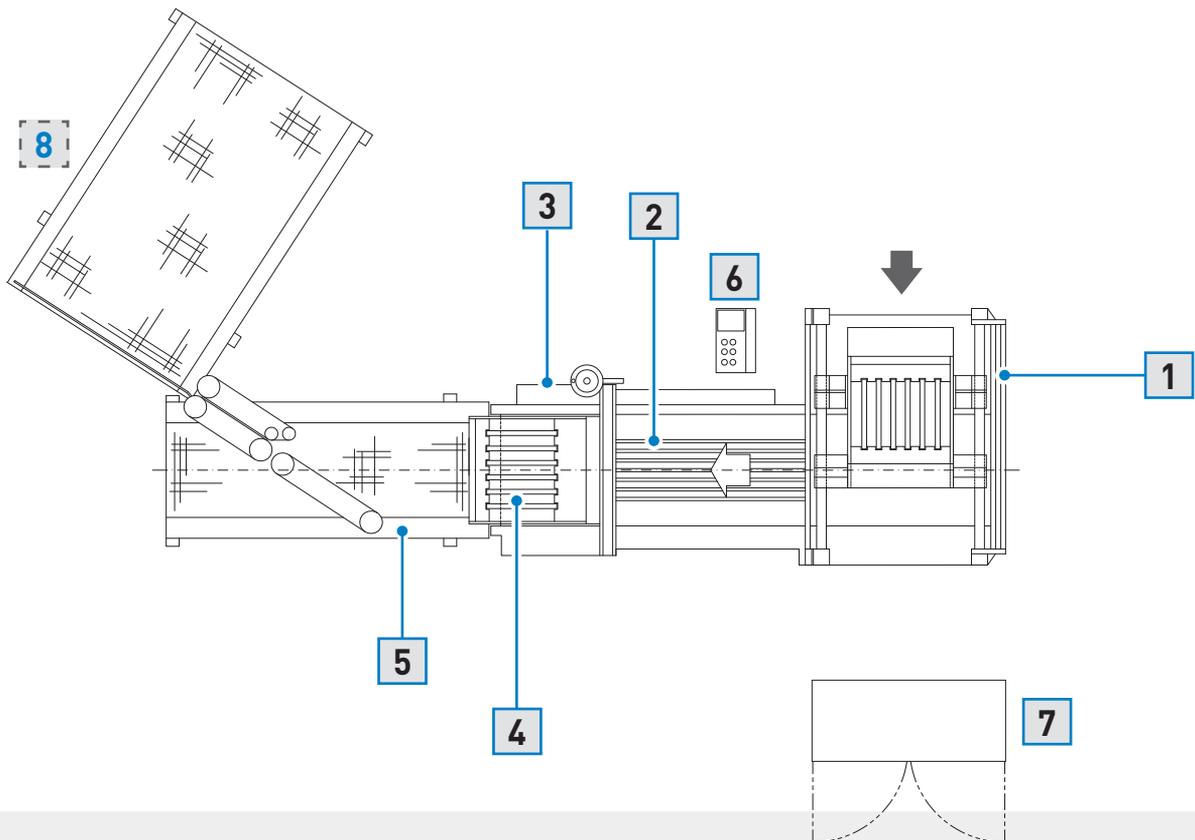


Once longitudinal elements reach the correct position, they are detected from a photocell which activates the short stroke piston that pushes cross elements through 2 high speed running rollers to ensure a precise penetration of the cross elements through the longitudinal ones.

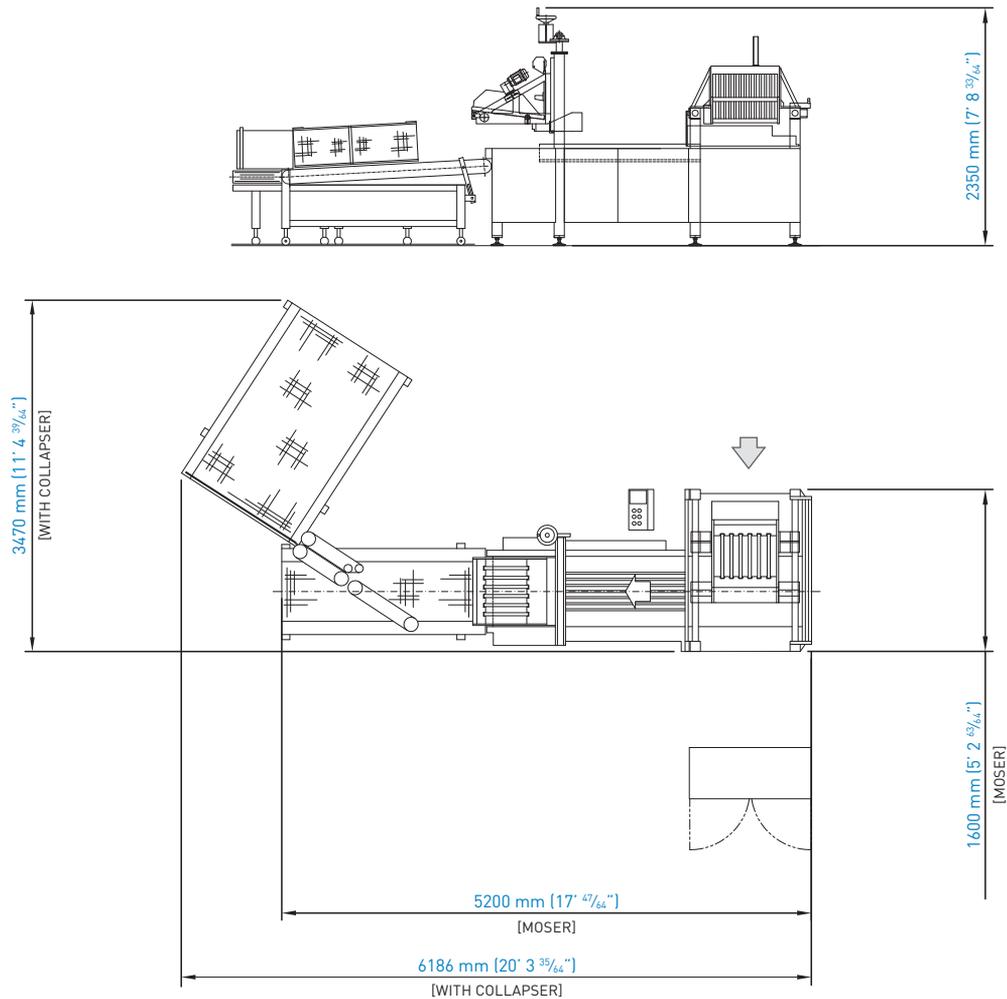
COLLAPSER (opt)

After assembly, partitions can be collapsed (automatically folded flat), counted and divided into batches and delivered onto a delivery table ready to be packed by means of the **COLLAPSER AUTOMATIC DELIVERY DEVICE (opt)**.

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MOSER



- total weight approx. 2500 Kg (5511 lb)
- total weight with COLLAPSER approx. 2800 Kg (6172 lb)

TECHNICAL DETAILS

MACHINE THROUGHPUT

- max. 40 partitions/minute

CHANNELS PER LONGITUDINAL ELEMENTS

- 9 (more on request, up till 14)

INJECTIONS PER LONGITUDINAL ELEMENTS

- 34 [special version refer to the electrical apparatus for further explanation]

LONGITUDINAL ELEMENTS LENGHT (A)

- max. 590 mm [23 15/64"]

TRANSVERSAL ELEMENTS LENGHT (B)

- max. 530 mm [20 55/64"]

PARTITION'S HEIGHT (C)

- min. 55 mm [2 11/64"] — max. 300 mm [11 13/16"]

CELL DIMENSIONS (D — E)

- (D) min. 16 mm [81/128"]
- (E) min. 10 mm [25/64"]

ELECTRICAL REQUIREMENTS

- installed power: 8 kW
- electrical power supply: 3 × 400 V PE 50 Hz
- controls voltage: 24 V DC

PNEUMATIC SYSTEM

- compressed air running pressure: 6 bar (600 000 Pa)

OPTIONAL DEVICES AVAILABLE

- Collapser folder / stacker

