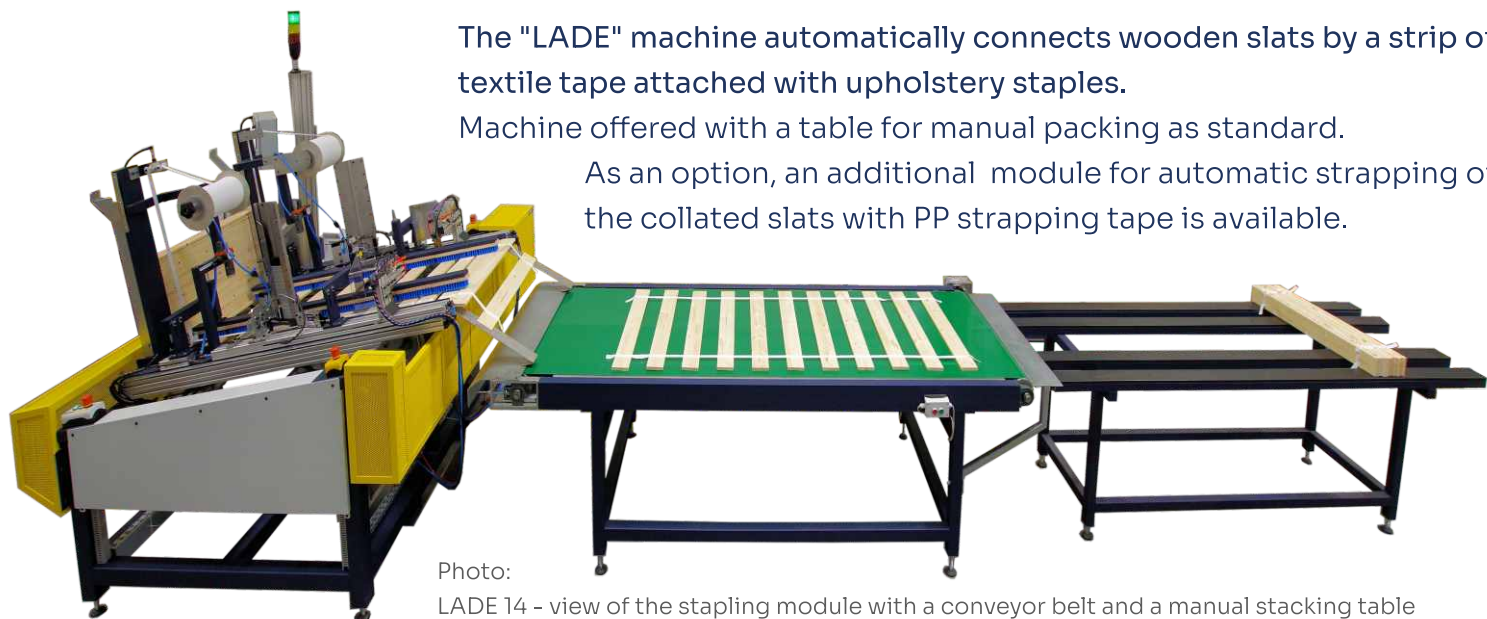


„LADE” machine for production of tape collated slatted bed bases



The "LADE" machine automatically connects wooden slats by a strip of textile tape attached with upholstery staples.
Machine offered with a table for manual packing as standard.
As an option, an additional module for automatic strapping of the collated slats with PP strapping tape is available.

Photo:
LADE 14 - view of the stapling module with a conveyor belt and a manual stacking table

Machine versions:

1. for straight slats
2. for curved slats
3. integrated drilling modules on request
4. as standard, all machines come with a belt conveyor and a table for the manual stacking of the finished bed bases.
5. on request, an additional LSU module / a device for automatic strapping of the collated slats with PP strapping tape.



Machine operation description:

- the slats are fed automatically by way of a gravity feeder
- there is an ergonomic and easy mechanism for quickly adjusting the width of base/length of the slats from 600 to 1400 mm
- the stapling of the textile tape is performed by two BeA Autotec K380 / 10-16 series 230 modular staplers with high capacity magazines holding 3,000 pcs of staples type 380/10 each. The magazines can be reloaded while the machine is working
- the dimensions and the number of slats in the slatted bed base, are determined by the parameters of the feeding chain. Changing the number and width of the slats in the bed base, requires the replacement of the feeding chain
- the position and number of staples can be programmed by way of a PLC controller
- the textile tape is cut by a system of electrically heated shears. The heat, prevents the fraying of the ends of the tape
- the connected slats are transported by a conveyor belt to a receiving table for manual stacking and packaging
- an optional automatic strapping module, stacks the finished bed bases and straps them with either one or two PP bands, before moving them to the receiving table.



Photo: BeA Autotec modular stapler

„LADE” assembly machine for collated bed bases

The operation of the device is controlled by a PLC controller which is responsible for:

- regulating the speed/output of the machine
- monitoring the level of slats, tape and/or staples in their respective magazines
- setting the number of staples inserted per slat
- cutting the textile tape and (as an option) the drilling of holes in the slats - counting the quantity of finished bed bases

Working speed: up to 16 meters/min.

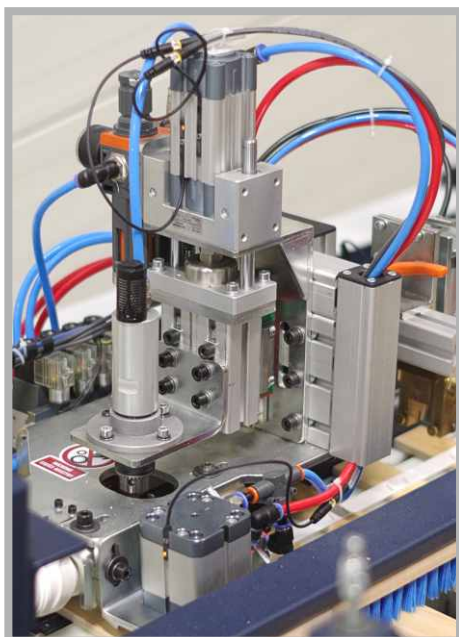


Photo.: drilling module on request

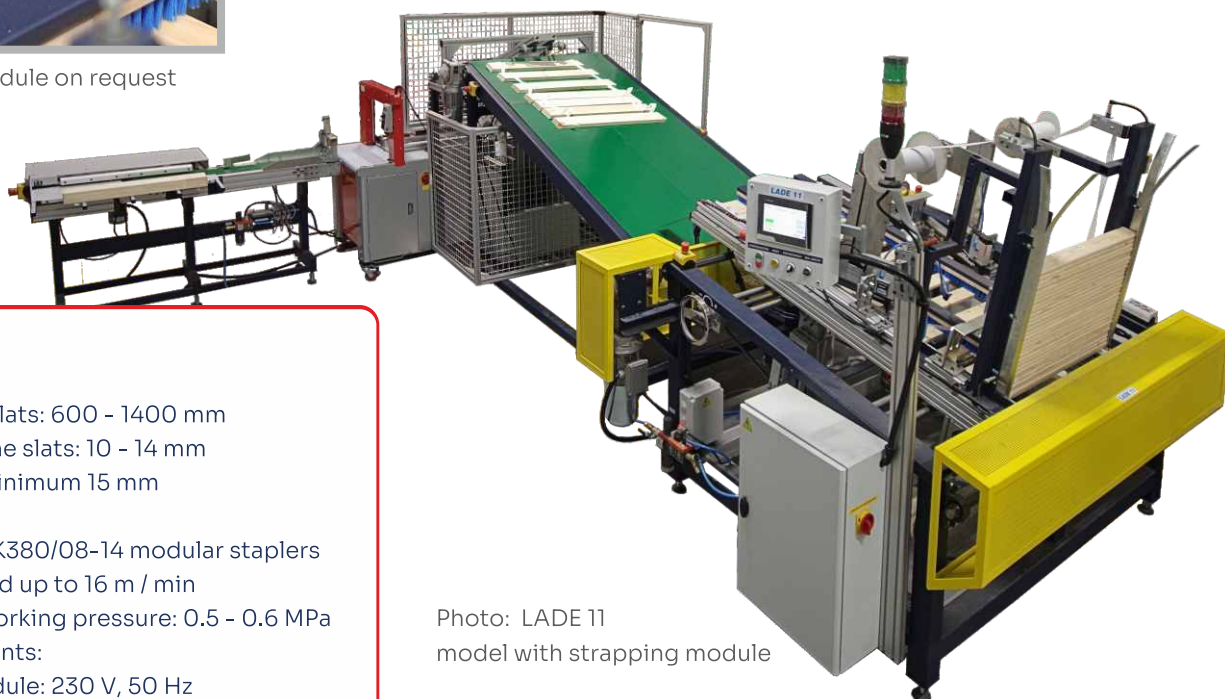


Photo: LADE 11
model with strapping module

Technical data

Model: LADAE 11

The length of the slats: 600 - 1400 mm

The thickness of the slats: 10 - 14 mm

The tape width: minimum 15 mm

Staple type: 380

Two BeA Autotec K380/08-14 modular staplers

Max. working speed up to 16 m / min

Compressed air working pressure: 0.5 - 0.6 MPa

Voltage requirements:

- stapling PLC module: 230 V, 50 Hz

- conveyor belt: 400V, 50 Hz

Installed power: 1.5 kW

Dimensions:

- stapling module: 2000 × 2500 × 2300 mm

- conveyor belt: 3200x1270x950 mm

- stacking table: 1600x2200x900 mm

- strapping module: 3600x960x1800 mm

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BizeA Sp. z o.o.

Tomice, ul. Europejska 4, 05-532 Baniocha, Poland

Tel.: +48 22 244 17 00

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