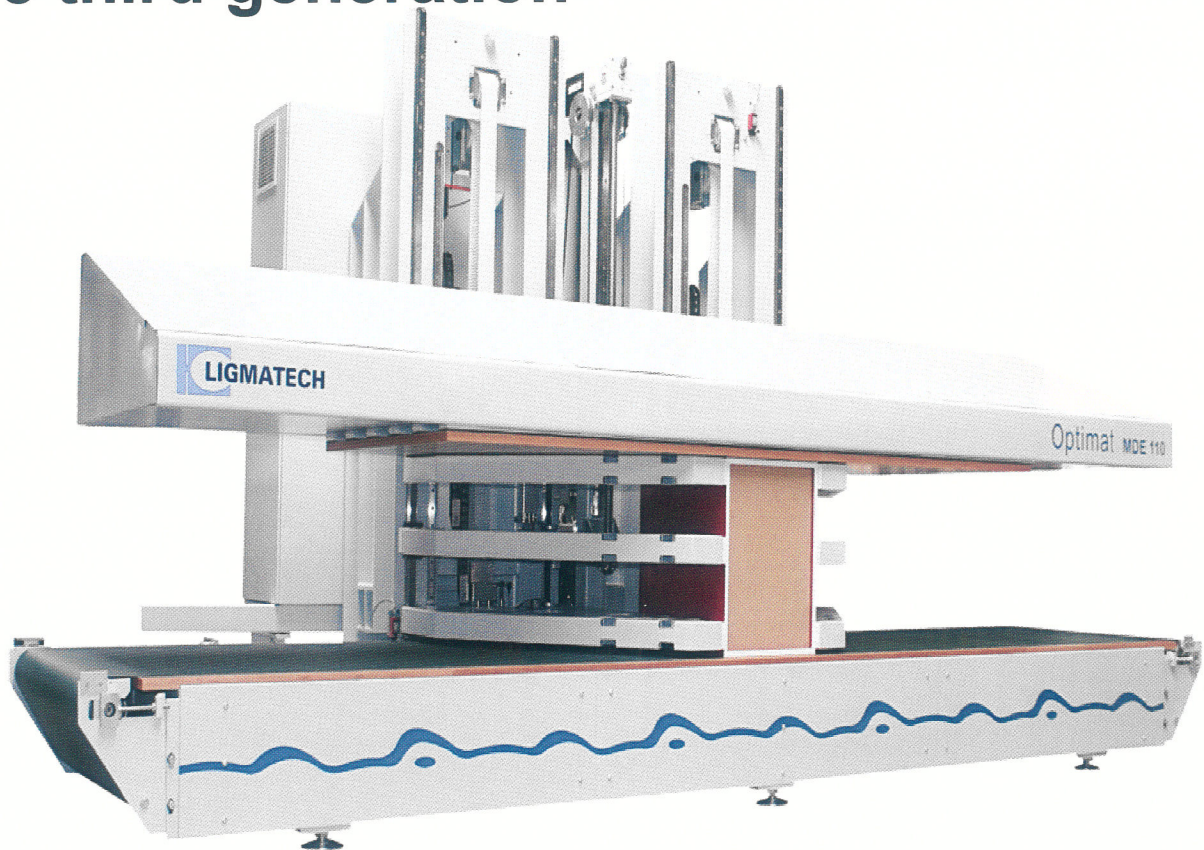


MDE110 Optimat - The third generation



Technical data

Carcass dimensions:

Lenght:	
MDE110/15/xx	250 mm - 1,500 mm
MDE110/28/xx	250 mm - 2,800 mm
Depth:	
MDE110/xx/08	120 mm - 800 mm
MDE110/xx/10	280 mm - 1,000 mm
Height:	280 mm - 1,320 mm

Technical parameters:

Working height:	500 mm
Conveying feed:	12 ... 40 m/min

Floor space required:

Lenght:	
MDE110/15/xx	3,900 mm
MDE110/28/xx	5,200 mm
Depth:	
MDE110/xx/08	2,100 mm
MDE110/xx/10	2,300 mm
Height:	2,600 mm

Required room height: 3,200 mm

Pressing clampure:

vertically:	up to 30 kN
horizontally:	up to 15 kN

Weight:

MDE110/15/xx	6 t
MDE110/28/xx	7 t

Pneumatic system:

Operating pressure:	6 bar
Air consumption:	5 Ncbm/h

Patentiertes System EP 1 046 482

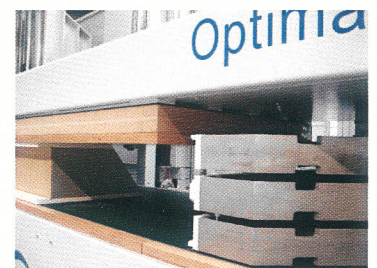
The Ligmatech company puts the third generation of the proven and successful MDE series on the market. In addition to the new technical parameters such as a more compact construction, the providing with a Beckhoff control, the ability to be integrated into a line as well as the optional sonotrode equipment, the new design of this clamp will dazzle you.

Now, these clamps are available in various depths and lengths in order to take into account the universal requirements of the user. The clamp will be offered in the future with pressing depths of 800 and 1,000 mm as well as with working lengths of 1,500 mm and 2,800 mm. The lengths and pressing depths can be combined as

you like. We have continued to apply the pressing at the zero edge also for the new generation so that the operator can do the necessary assembly work in a very ergonomical way. With the launching of this clamp on the market, we want to improve the price-performance ratio distinctly.

Thus, the new generation combines a maximally possible efficiency and performance with an unbeatable price.

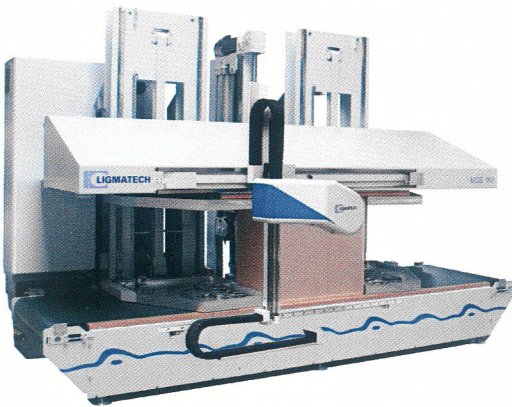
Optional equipment:
Doubled upper-pressure element for narrow carcasses



MDE160 profi line - through and through reasoned

When developing our new continuous clamp once again we have been orientated consistently on the requirements of our clients. The result is a first class machine with a multitude of innovative details custom-made for the rapid and efficient production of case furniture.

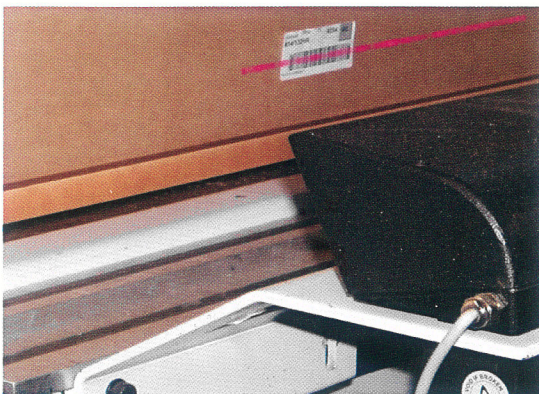
- The clamping forces are generated electrically both in the horizontal and vertical direction and they can be varied separately.
- The clamping is done in a centred way and at a zero line at the operator's side with the clamping forces being imposed vertically by a clampure plate and horizontally by 1 - 4 pairs of clampure cheeks each.
- This way, the carcass is positioned at the outer edge of the transport belt and thus is completely accessible.
- Positioning of the clampure cheeks:
 - Upper clampure cheek via restricted guidance at the upper-clampure element, optionally lowerable by means of a cylinder
 - Middle an lower clampure cheek freely programmable and traversable by the common drive
 - Thanks to the custom-made design of the pressing cheeks it is possible to clamp carcasses with different legs.
- Length and height are scanned during the loading of the carcass and permit the automatic positioning of the upper-clampure element as well as of the lateral clampure elements.
- The carcasses are supplied and discharged via a conveyor belt. It is possible to machine both lying and standing carcasses.
- At the front of the clamp a nailing robot is integrated for the cramping, screwing or gluing of the rear panels. The nailing robot is a cartesian acting unit with 3 servo axles and one rotating axle. In order to nail, the head can be turned by 360 degrees and tilted by +/- 45 degrees.
- All data is saved on an additional hard disk ensuring a high production security and a maximum of line availability.
- The control of the clamp with integrated control of the nailing robot is performed by measuring the carcass during infeed, via barcode control or production-list-control.
- The MDE 160 can be used with nailing robot or as a pure clamp with the nailing robot being parked on its left hand side.
- Along with the technical improvements the MDE 150 also convinces by an essentially smaller room space required



Electric continuous-type clamp MDE160 equipped with an integrated nailing robot



*Nailing robot during the cramping of the rear panels
Nailing programs with WoodWOP-programming*



The recognition of the barcode ensures a safe and transparent production

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