

Lamello

# NEWS

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**2022/2023  
catalogue**  
Soon available!

# Focus on joining technology

Lamello is taking a new business direction. Following the Bubendorf-based company's 50th birthday in 2019, the business has taken the necessary steps to develop its corporate strategy in order to adapt to changing market conditions and, in the process, streamline its existing portfolio.

With its new orientation, Lamello AG is concentrating on the needs of cabinet makers and wood processors. Developing unique products, offering added value and improving productivity remain important elements of the company, with promising new features currently in development.

## P-System



The **P-System** from Lamello is an innovative and award-winning joining method. Clamex, Tenso and Divario connecting fittings make an entirely new level of flexibility, speed and simplicity possible throughout the design, manufacturing, transport and installation process.

The connector's installation and anchorage system is based on the P-System profile groove. The P-System groove for the connector can be cut either using modern CNC technology or very simply by hand using the Zeta P2 power tool from Lamello.

## Lamello System



The **Lamello System** is an exceptionally efficient, simple and precise joining system for various materials. It is based on a 4 mm groove and offers an enormous variety of joining solutions.

The original wooden biscuit has been supplemented by the self-clamping element, the clamping element and transparent plastic element for solid surface materials. The same applies to the Simplex and Clamex S-18 re-releasable connectors. These can be easily assembled and disassembled. All connectors can be milled with the Classic X, Top 21 and Zeta P2 machines.

## Drilling System



The **Cabineo** is a one-piece cabinet unit fitting and is installed into a drilled or routed shape. No edge drilling is necessary – the machining happens solely in the surface. Due to this, Cabineo can be used with all kinds of CNC machines, including very simple 3-axis and nesting machines.

**Invis Mx2** is the unique connection that satisfies the highest demands for aesthetics, stability and productivity. With no visible openings, Invis Mx2 can be quickly detached and reconnected at any time via its magnet drive.

## Tanga DX200 discontinuation as of 31/12/2021

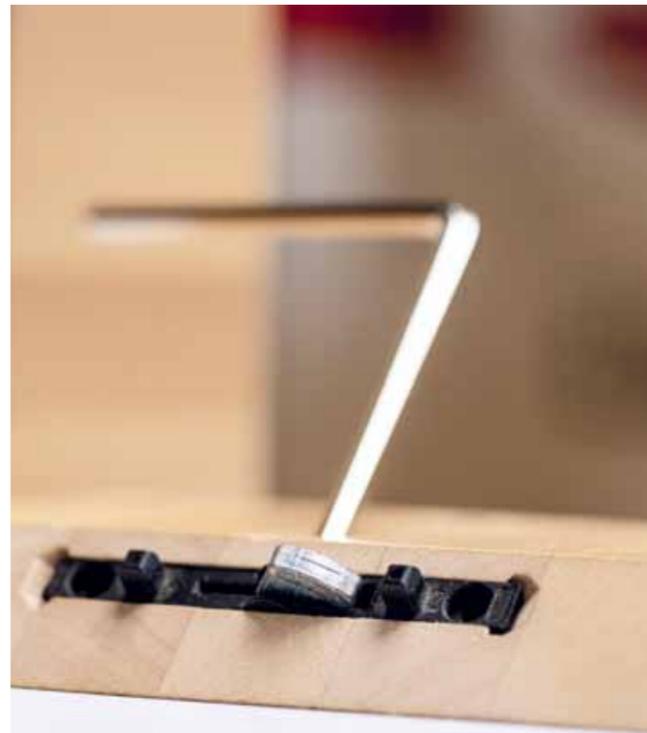
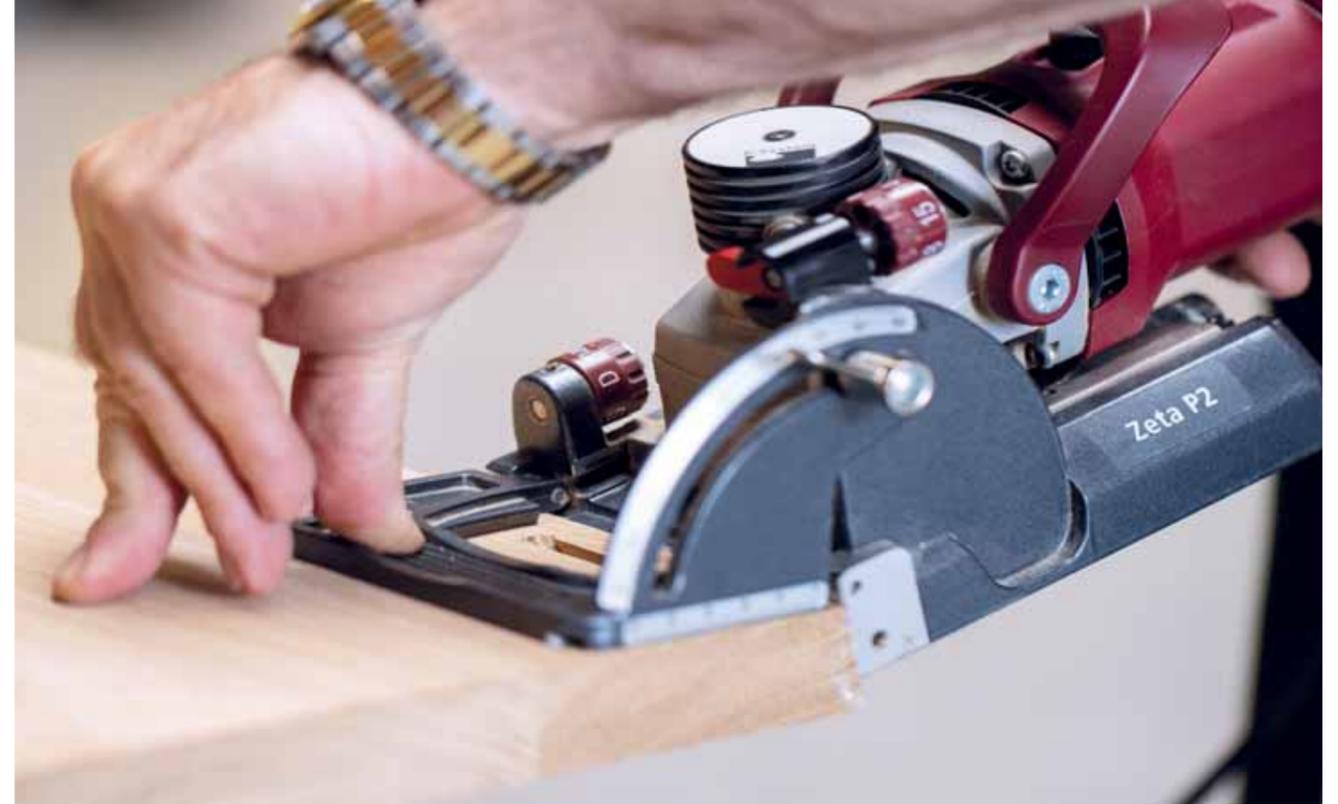
As a result of our strategic realignment, we have decided to remove the Tanga DX200 window milling machine from our product range as of 31 December 2021. End customers will still be able to purchase the Tanga DX200 from specialist retailers until the end of the year. In accordance with our replacement guarantee, spare parts will of course remain available for 10 years, and carbon brushes and switches for 15 years.



Jeffrey De Smet, artisanal interior furniture maker, Belgium

# «How can we combine business and pleasure?»

Carpenter Jeffrey De Smet found the solution: he made his passion his job. The Belgian opened the doors to his workshop in Ghent, located in the Region of Flanders, to show us his world and how the Lamello P-System makes his day-to-day work easier.



Jeffrey has been working as a self-employed carpenter since 2012. He creates bespoke furniture for private individuals and is constantly reinventing himself. His passion for woodworking has meant that he is constantly learning, training and developing. This is how he discovered P-System during a day's demonstration at the Belgian dealer Santens Metaalwaren.

## Tenso or Clamex? Each one has its strong points

The reason for Jeffrey using P-System is that he usually works on his own.

«One day a customer placed an order for me to build a staircase, and I was looking for an easy-to-use system that saved me time and enabled me to work independently.» With this in mind, he tried out the Tenso connector: «With

Tenso, all you have to do is to glue it, put the parts together and you're ready to go,» he explains. No waiting, no clamps. Its high clamping force and the fact that it is completely invisible makes it the ideal connector for many

of Jeffrey's designs such as stairs, bathroom furniture, TV furniture, upholstery, etc. He says, «You can build the most beautiful, strong bespoke custom wardrobes with Tenso.»

For building wardrobes and other bulky furniture which are often up on the first floor in private homes, the Belgian carpenter uses the detachable Clamex connector. This way, he can machine the pieces in his workshop, pre-assemble the pieces to be built and deliver them flat-packed. Then without any glue or any extra tools, he can assemble it all on-site at the customer's house. As he explains, «Clamex may be a little more expensive, but it pays for itself very rapidly when you take into account the time and cost of bringing in extra manpower. This system enables me to be independent and efficient.» It is a real bonus that Clamex is a detachable assembly element, depending on the type of order. «How can I transport and install several cabinets on a whole wall on my own?» Jeffrey has the solution: «Assemble everything using Clamex!»

## Zeta P2: for fast, easy and precise work

Currently the carpenter uses P-System connectors for almost 90% of his

work. Even though digitalisation plays an important role in his work, in his workshops he does not use a CNC machine. For milling P-System grooves, he works with the Zeta P2 groover. It's small and practical, and it's perfect for him. The machine's automatic vertical movement creates a profiled groove into which the connectors can be inserted by hand. The Zeta P2 is the benchmark tool for positive fitting anchorage and assembly of all P-System connection elements at any angle. Additionally, grooves of different depths can be cut using the P-System depth adjuster, without having to change the tool.

This man has a passion for sharing his work and the tricks of the trade. He is very active on social media, which is how he came into contact with the Lamello representative in his sector. For Jeffrey, it is essential to work positively, and that's what he found with the Lamello team. «I always enjoy talking to them, they are very professional as well as being very friendly,» he says.

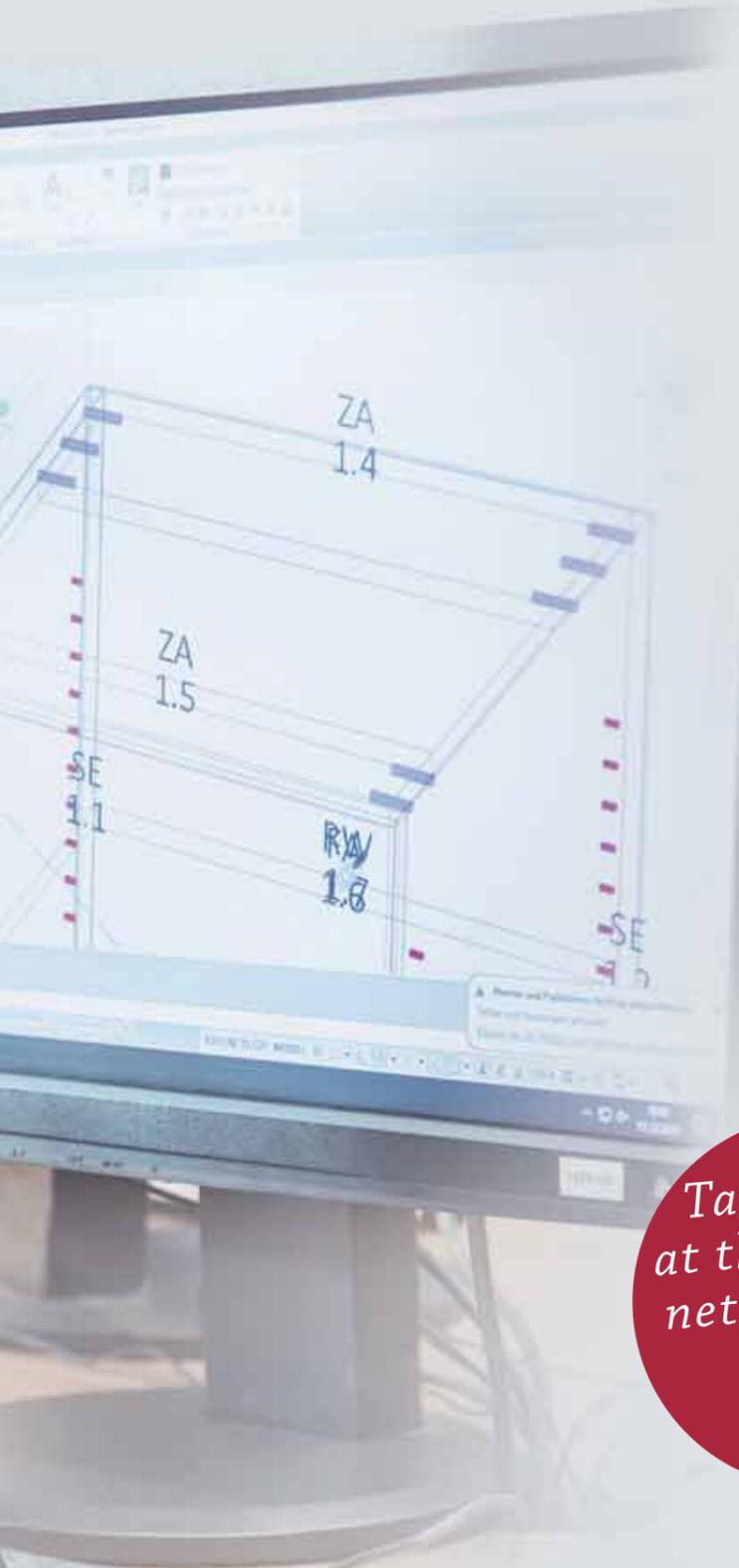
When it comes to the future, Jeffrey still has plenty of ideas and projects and says, «I hope Lamello can surprise us with new inventions.»

The message has been received!



# Networked production

From planning and design to procurement, programming and machining with CNC, our planning and processing partners support you in integrating Lamello connecting elements into your order processing, from A to Z.



## CAD / ERP / CAM software



## Aggregates, CNC tools / CNC machines



Take a look  
at the partner  
network now:



# Experience networked production live!



## Partner Update

### SWOOD by EFICAD: «Furniture software from design to manufacture»



SWOOD Design is a complete CAD software solution that is fully integrated into SOLIDWORKS. It makes it quick and easy to design a project in a 3D environment and parametric functions. The configurator works in a parametric 3D design using drag-and-drop. The P-System connectors, the 4 mm wooden biscuits or the Lamello Cabineo, for example, can be automatically positioned to the depth and thickness of the connection according to parametrically defined rules from the fitting library. The SWOOD Center Service can be linked to the company's databases (e.g. ERP or MES software). The design data can be controlled via SWOOD CAM using post-processors

with 3- to 5-axis CNC machines (WOP and ISO interface).

- 3D CAD
- Furniture configurator
- Interface with ERP
- CAM with post-processors

### PALETTE CAD: «Furniture-making software from wood professionals for wood professionals»



Palette CAD is a planning software solution for the entire process: from digital measurement to data transfer to the CNC machine. Planning is carried out using the drag & drop function; the product catalogues of e.g. the fittings or wood-based material providers can be made available via the import and export interfaces. Using an intelligent configurator, the Lamello Cabineo, for example, can be automatically positioned in the workpieces with the preconfigured rules. Free design and positioning are however also possible. The software solution also offers e-shop connections for direct product and material orders. Palette CAM forms the interface

- 3D CAD
- Configurators
- E-shop connection
- CAM interface

between planning and production and transfers the CAD data directly to the CNC machines.

### Format4 D-Jet CNC machining in the smallest of spaces



The D-Jet is primarily suitable for carcass manufacturing. The machine has a space-saving design with a footprint of only 3.5 m<sup>2</sup>. With the additional Lamello machining unit, the P-System grooves can be inserted both on the front and on the upper surface. This means that the Clamex P or Tenso P connectors, for example, can be installed very efficiently. The machine is equipped with the F4Integrate software solution, which includes the tool archive (F4Toolbox), programming area (CAM area with integrated CAD area, F4Create) and machine user interface (F4Operate). F4Integrate is based on G-code, so that external industry programs can be connected and the transfer of programs can be implemented.

- Available with Lamello P-System machining unit
- With P-System disc cutter 1 x horizontal + 1 x vertical
- Software F4Integrate

ted and the transfer of programs can be implemented.

# Inspiration

#MyLamelloProject  
Enter to win!



Be inspired by our diverse connection solutions and the opportunities they offer! Visit our website to discover more uses. You can find further applications for our products, from furniture-making and shop fitting to interior fitting, kitchens, and much more, on our website [www.lamello.co.uk/inspiration/application-inspiration](http://www.lamello.co.uk/inspiration/application-inspiration)

# Tips tricks

*Obtuse angles with Classic X*



*Obtuse angles can be easily achieved with the help of the multifunctional stop square and the center marking on the machine.*

## How it works:



1. Mount the stop square, select the desired connector position and mill the first groove.



2. Transfer the position of the center marking onto the first workpiece.



3. Hold the workpieces together and transfer the center position.



4. A second stop square is recommended to stabilise the machine during surface milling.



5. Align the center marking of the machine with the marking on the workpiece and place the stop square on the front edge for exact milling.



6. Now assemble the obtuse angle and glue the joint.



# Catalogue 2022/2023

*The new catalogue will be published in October. Would you like to secure an exclusive copy? Fill out the form and receive the catalogue conveniently by post.*

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