Joinery workshop, Kofler

Clamex P-14 Flexus: Flexibility is a virtue

Networked production

Discover our partner network
The Clamex P-14 Flexus: Flexibility is a virtue

The South Tyrolean master joiners at bespoke joinery workshop, Kofler create sophisticated and high-quality interior fittings with the utmost precision. Every day, more than 66 years of handed-down expertise and experience are channelled into consultation, planning and production. The company, which operates internationally, stepped up to test the new P-System connector, the Clamex P-14 Flexus. The unrivalled flexibility of the connector proved a compelling part of the experience. Hannes Kofler responded to our questions.

The new P-System family also excels at being extremely user-friendly during the assembly process.

“Maximum flexibility with the Clamex P-14 Flexus

One particular requirement was to create a display case with a very specific specification. The base of the display needed to be attached and detached, allowing it to be transported as a flat pack. However, for security reasons, the base was only to be detachable from the inside. “We previously lacked the right fitting for this application. The Clamex P-14 Flexus solved this problem. The connector came exactly at the right time, and has filled this gap very much to our satisfaction,” Hannes Kofler explains.

The new Clamex P-14 Flexus is a detachable connector based on the P-System anchorage, and therefore offers all the advantages of the P-System. A new feature of the Clamex P-14 Flexus are its flexible positioning pins. Thanks to this innovation, the connector has no protruding rigid elements. The flexible positioning pins allow the subsequent fitting of workpieces to existing elements, thereby simplifying the assembly sequence considerably.

Hannes Kofler sees the subsequent installation of workpieces as a key advantage of the Clamex P-14 Flexus: “In the specific case of the display case, the flexible positioning pins enable us to insert the base into the frame easily, without leaving scratches on the other workpieces.

What’s more, the base can be fixed in place from above, meaning it is securely sealed since there is no access to the drill holes,” Kofler adds. Thanks to the outstanding clamping force that distinguishes all P-System connectors, the base of the display case is prevented from sagging.

The Tenso P gluing aid has been especially well received: “Tenso is optimal for our production process. The time we are able to save thanks to this connector is considerable. This time efficiency and a lack of need for clamps make Tenso the ideal product for us,” Hannes Kofler explains.

Maximum flexibility with the Clamex P-14 Flexus

One particular requirement was to create a display case with a very specific specification. The base of the display needed to be attached and detached, allowing it to be transported as a flat pack. However, for security reasons, the base was only to be detachable from the inside. “We previously lacked the right fitting for this application. The Clamex P-14 Flexus solved this problem. The connector came exactly at the right time, and has filled this gap very much to our satisfaction,” Hannes Kofler explains.

Thanks to the outstanding clamping force that distinguishes all P-System connectors, the base of the display case is prevented from sagging. The new member of the P-System family also excels at being extremely user-friendly during the assembly process.

The Tenso P gluing aid

Hannes Kofler has been using P-System connectors since 2015. A presentation by a Lamello field sales representative left the South Tyrolean master joiners inspired by Lamello’s innovative product range. Since then, the connectors of the P-System range have firmly established themselves in the Koflers’ business. The Tenso P gluing aid has been especially well received: “Tenso is optimal for our production process. The time we are able to save thanks to this connector is considerable. This time efficiency and a lack of need for clamps make Tenso the ideal product for us,” Hannes Kofler explains.

«The Flexus is a logical addition to the P-System range. We are always inspired by Lamello’s ability to tailor its products to its customer needs, and are happy to be part of the Lamello family.»

A fan of Lamello’s Tenso gluing aid

Father Albert Kofler runs the family business together with his two sons, Daniel and Hannes. Founded by their grandfather Heinrich Kofler in 1954, the company specialises in interior fittings, shopfitting and joining wood, metal, glass and textiles. Trained joiner Hannes Kofler characterises his business as a solution-oriented joinery workshop that can quickly address customer needs.

Father Albert Kofler runs the family business together with his two sons, Daniel and Hannes. Founded by their grandfather Heinrich Kofler in 1954, the company specialises in interior fittings, shopfitting and joining wood, metal, glass and textiles. Trained joiner Hannes Kofler characterises his business as a solution-oriented joinery workshop that can quickly address customer needs.

Joinery workshop Kofler

Subsequent installation of the cabinet base in the existing frame.

Father Albert Kofler runs the family business together with his two sons, Daniel and Hannes. Founded by their grandfather Heinrich Kofler in 1954, the company specialises in interior fittings, shopfitting and joining wood, metal, glass and textiles. Trained joiner Hannes Kofler characterises his business as a solution-oriented joinery workshop that can quickly address customer needs.

Father Albert Kofler runs the family business together with his two sons, Daniel and Hannes. Founded by their grandfather Heinrich Kofler in 1954, the company specialises in interior fittings, shopfitting and joining wood, metal, glass and textiles. Trained joiner Hannes Kofler characterises his business as a solution-oriented joinery workshop that can quickly address customer needs.

1. Using the existing know-how of Clamex P
2. Same machining as the Clamex P-14 Medius
3. Movable positioning pins align the workpiece and keep it in position
4. Can always be detached using the rotating lever

A fan of Lamello’s Tenso gluing aid

The new Clamex P-14 Flexus is a detachable connector based on the P-System anchorage, and therefore offers all the advantages of the P-System. A new feature of the Clamex P-14 Flexus are its flexible positioning pins. Thanks to this innovation, the connector has no protruding rigid elements. The flexible positioning pins allow the subsequent fitting of workpieces to existing elements, thereby simplifying the assembly sequence considerably.
Clamex P-14 Flexus

Detachable furniture connector with flexible positioning pins

Advantages and features

Flexible assembly sequence – Flexible positioning pins allow freely selectable assembly sequence

Simple alignment – Flexible positioning pins align the workpiece and keep it in position

Versatile assembly – Bevelled and movable positioning pins enable the tilting of the workpiece in both directions

Installation of fixed shelves – Fixed shelves or vertical separators can be installed in an assembled cabinet unit

Compatible with all Clamex P connector halves without levers – P-14 without lever, P-10 without lever and P-10 Medius without lever

Clamex P-14 Flexus

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>80 pairs</td>
<td>145315</td>
</tr>
<tr>
<td>300 pairs</td>
<td>145316</td>
</tr>
<tr>
<td>1000 pairs</td>
<td>145317</td>
</tr>
</tbody>
</table>

Clamex P set

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>80 pairs Clamex P-14 Flexus (145315)</td>
<td>145319</td>
</tr>
<tr>
<td>300 pairs Clamex P-14 (145346)</td>
<td></td>
</tr>
</tbody>
</table>

Experience the connector live
Networked production

Design and production software, aggregates, cutting tools and CNC machining
You can find our competent sales partners here.

**Lamello sales partners**

Transfer of fittings into shopping basket.

**Planning with ERP – objects / industry**

Objects are suitable for a focused product portfolio and a more industrial working procedure. Here, the order data are configured both commercially and technically — through to the automated placement of Lamello P-System connectors or Cabineos.

Thanks to this integrated approach, the fittings lists are generated in a comprehensive manner in CAD and then prepared and used accordingly for all subsequent processes. This approach is suitable for individual manufacturing, where two similar products are almost never produced. Here, the P-System connectors by Lamello, for example, can be used directly in 2D or 3D drawings in the CAD software PointLine, via* *pick and place* from the library.

**Planning with CAD – individual projects**

The order data are flexibly and individually structured in a comprehensive manner in CAD and then prepared and used accordingly for all subsequent processes. This approach is suitable for individual manufacturing, where two similar products are almost never produced. Here, the P-System connectors by Lamello, for example, can be used directly in 2D or 3D drawings in the CAD software PointLine, via* *pick and place* from the library.

**Planning with ERP – objects / industry**

The Creator 950 from Format4 is a compact CNC machine that takes up only 5 m². Four-sided formatting is possible with the standard model. The set-up times are minimal since no suckers or consoles need to be positioned. Simple macro programming for the Lamello P-System is possible with the machine. Alternatively, furniture items can be created using the drawing software F4Design and all necessary connectors automatically inserted into the workpieces and applied to the machine as a CNC programme.

The P-System profile grooves are cut on the front with the P-System cutter. The profile grooves on the surface can be implemented with the P-System shaft cutter or optionally with an additional angle aggregate and a P-System cutter.

**Planning with ERP – objects / industry**

Objects are suitable for a focused product portfolio and a more industrial working procedure. Here, the order data are configured both commercially and technically — through to the automated placement of Lamello P-System connectors or Cabineos.

Thanks to this integrated approach, the fittings lists are generated automatically and all item information, such as stock levels and replenishment periods, is provided. Undercut minimum stock levels or requirements based on orders can be placed as an order directly with the supplier.

**Partner News: Borm Software**

BORM-INFORMATIK AG develops software for industrial and trade companies in the wood-processing industry. Based in Switzerland, the company has branches in Germany, Italy and the Netherlands, as well as partner companies in Austria.

**BormBusiness** is a flexible industry solution that provides important controlling tools for optimising manufacturing processes with automation – from purchasing and storage through to post-control. The software solution offers a wide range of application possibilities, including customer acquisition and order processing with automation – from purchasing and storage through to post-control. The solutions offered by Borm Informatik include two different working procedures and systems.

**Partner News**

**Format4 Creator 950**

CNC software

P-System macro from WDFlash 4.1

CNC Tool

1 x P-System CNC groove cutter in HSK63F
1 x P-System CNC shaft tool cutter* in HSK63F
1 x drill Ø 6 mm

Aggregate*

Optional for P-System CNC shaft tool cutter:
1 x aggregate for 90°
1 x P-System CNC groove cutter

The Creator 950 from Format4 is a compact CNC machine that takes up only 5 m². Four-sided formatting is possible with the standard model. The set-up times are minimal since no suckers or consoles need to be positioned. Simple macro programming for the Lamello P-System is possible with the machine. Alternatively, furniture items can be created using the drawing software F4Design and all necessary connectors automatically inserted into the workpieces and applied to the machine as a CNC programme.

The P-System profile grooves are cut on the front with the P-System cutter. The profile grooves on the surface can be implemented with the P-System shaft cutter or optionally with an additional angle aggregate and a P-System cutter.

**Format4 Creator 950**

The Creator 950 from Format4 is a compact CNC machine that takes up only 5 m². Four-sided formatting is possible with the standard model. The set-up times are minimal since no suckers or consoles need to be positioned. Simple macro programming for the Lamello P-System is possible with the machine. Alternatively, furniture items can be created using the drawing software F4Design and all necessary connectors automatically inserted into the workpieces and applied to the machine as a CNC programme.

The P-System profile grooves are cut on the front with the P-System cutter. The profile grooves on the surface can be implemented with the P-System shaft cutter or optionally with an additional angle aggregate and a P-System cutter.

**Homag DRILITEQ V-200**

CNC software

woodWOP *Lamello P-System* component

CNC Tool

1 x P-System tool set
Inspiration

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.com/inspiration/application-inspiration

Artgerecht – the caravan outfitting company

Artgerecht, a company from Grassau near Chiemsee in Bavaria, produces bespoke vehicle interiors using a modular design system. What’s special about the process is that the customer also gets involved in installation, not just design. This creates a sense of freedom and self-determination even before the first journey. But for this feeling freedom to be achievable, the company needs to offer a choice of connector solutions that are easy to assemble and don’t pose a challenge for laypeople.

Artgerecht Managing Director Cord Dayal found the solution his company were looking for with the Cabineo CNC connector by Lamello. This connector is nestable and comprises a single component, making it easy to install even for those with little experience.
Service: We are here for you!

- Connector search
- The finder displays the right connection solutions for you based on your specifications (material thickness, detachable, invisible etc.).

- P-System configurator
- Are you looking for the right connector? The configurator will help you find the right connector and tell you how to position it.

- Connector search
- The finder displays the right connection solutions for you based on your specifications (material thickness, detachable, invisible etc.).

- CAD data
- Download your 2D/3D data in the desired format.

- Videos/tutorials
- Discover a wide range of tutorial videos on the website and the Lamello YouTube channel.

- Online consultation
- Are you interested in an online product demonstration or personal product training? We will present our system solutions to you during a personal web conference.

- Tips and tricks
- Learn tips and tricks for our connection elements from our professionals and get the most out of our products.

- Consultation by phone
- Do you have any questions concerning our products or a certain application? Simply talk to us to get quick and competent support.

- Advice on site
- We will be happy to advise you personally on site by appointment.
Service:
We are here for you!

Tips and tricks
Learn tips and tricks for our connection elements from our professionals and get the most out of our products.

Consultation by phone
Do you have any questions concerning our products or a certain application? Simply talk to us to get quick and competent support.

Online consultation
Are you interested in an online product demonstration or personal product training? We will present our system solutions to you during a personal web conference.

Advice on site
We will be happy to advise you personally on site by appointment.

P-System configurator
Are you looking for the right connector? The configurator will help you find the right connector, and tell you how to position it.

Connector search
The finder displays the right connection solutions for you based on your specifications (material thickness, detachable, invisible etc.).

Free demo
Zeta P2

Our Lamello application specialists are here to help

Take part in our competition to be in with the chance of winning some fantastic prizes!

Full T’s and C’s can be found on www.lamello.com and all official Lamello social media channels.

#mylamellocproject
Show us your creativity!

Your distribution partner: