

**Peeling –**  
the revolutionary wood  
processing technology  
by LEUCO

PEEL IT, SEE IT, FEEL IT

10 years  
*Psystem*<sup>®</sup>  
of patent

2010 - 2020

» » » » Discount of 10 % for 10 weeks « « « «  
» » » » Anniversary offer until July 31, 2020 « « « «

2010 - 2020

# ORIGINAL p-SYSTEM

FROM A TOOL  
TO A SYSTEM

LEUCO's system concept includes transfer of one tool's successful parameters to a whole group or family of tools. The advantage for LEUCO customers is that they can rely on the quality, range of applications and cost-effectiveness of the entire system. No matter what type or dimension they use.

In 2010, the p-System was launched as a jointing cutter for stationary and throughfeed machines. Fold, chamfer and groove p-System complete the applications with the p-System. At LIGNA 2019 LEUCO presented a profile milling cutter.



## APPLICATION

LEUCO p-System tools are used for jointing, dividing, rabbeting, chamfering and grooving on stationary and through-feed machines

Peel it, see it, feel it!

10 YEARS, MORE THAN 10,000 SATISFIED P-SYSTEM USERS WORLDWIDE. Solid wood furniture, kitchen, office and bathroom furniture, shop fitters, interior designers, material manufacturers, flooring etc.



2010 - 2020

# 10 YEARS

p-SYSTEM WERKZEUGE



## A REVOLUTION IN MAGENTA.

**IN 2010** LEUCO filed a patent for tools with a shear angle in the range  $\geq 55^\circ - 90^\circ$  and called them "LEUCO p-System". This innovation means far more than just milling. The fibers of the material are "peeled" to knife-like sharpness with a pulling cut. LEUCO wood processing with p-System tools is therefore called "peeling". In May 2010, the "LEUCO p-System tools" were presented to the public for the first time at the Xylexpo 2010.

Since then, the woodworking world has been turned upside down.

In the meantime, many tool makers have developed tools with an angle up to that protected by the LEUCO patent. The entire industry attempts to imitate the large shear angles to the extent allowed. The original, however, is only available from LEUCO and the major benefits of the p-System tools are only achieved fully within the patented range of angles.

All LEUCO diamond-tipped p-System tools in the catalog program have a shear angle of  $70^\circ$  and offer superior performance compared to tools from competitors with a near-patent angle of  $54.9^\circ$ .



→ Functional principle of the p-System tool. QR code directly to the video



Benefit from the 10th anniversary of the original p-System:

» Anniversary offer until July 31, 2020 «  
» » » Discount of 10 % for 10 weeks « « «

All information on the draw can be found at [www.leuco.com/p-System](http://www.leuco.com/p-System)

## YOUR BENEFITS

# »PEEL IT, SEE IT, FEEL IT«

A brilliant cutting quality that is visible

### SEE IT.

Generally a significantly longer edge life than ordinary DIA tools with a positive effect on the budget –

### FEEL IT.

Extraordinary application possibilities which save machine times, machine downtimes and/or post-processing times and which are surprising and ultimately lower the costs –

### SEE IT & FEEL IT.

p-system®  
2010-2020



## ANNIVERSARY OFFER!!

**10 years of the original p-System –  
10% discount for 10 weeks:**

Between May 25 and July 31, 2020, you will receive a discount of 10% when ordering p-System tools of our catalog program.

The p-System catalog program can be found in the LEUCO online catalog

- 1 [www.leuco.com/products](http://www.leuco.com/products)
  - 2 Click the "LEUCO product names" filter
  - 3 Select LEUCO p-System
- Select cutters for through-feed machines or CNC machines

EASY &  
QUICK

10%  
Discount



### FOR THROUGH-FEED PROCESSING:

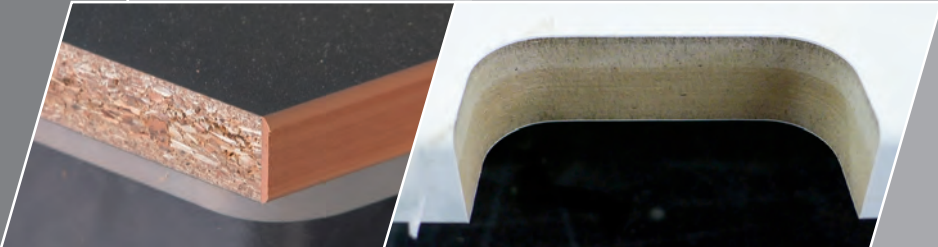
→ p-System high-performance jointing cutters CM DP with diameters from 70 to 200 mm and cutting widths from 33.1 to 62.5 mm

### FOR CNC MACHINES:

→ High-performance shank-type cutters, jointing shank-type cutters, grooving shank-type cutters and shank-type cutters for Weeke BHX

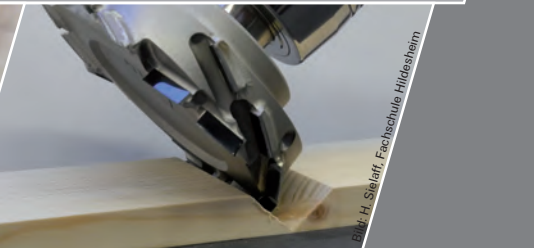
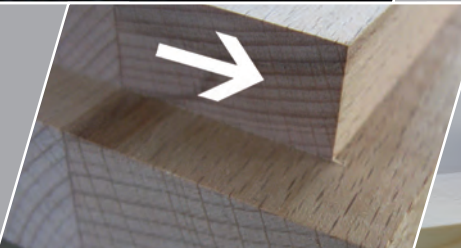
Or: Scan the QR code and have a look at the LEUCO p-System catalog program





**SAVING OF TIME**  
 REDUCTION OF DOWNTIMES  
 Passing the edge against the feed without causing edge chipping.

**RABBETING**  
 QUALITY ALL ALONG THE RABBET p-System quality on both rabbet sides and after having passed the edge.



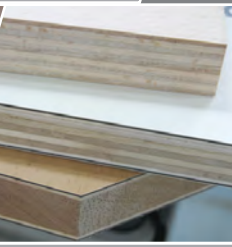
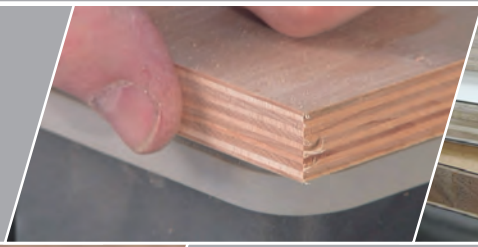
Blatt H. Stahl, Fachschule Hiltlheim



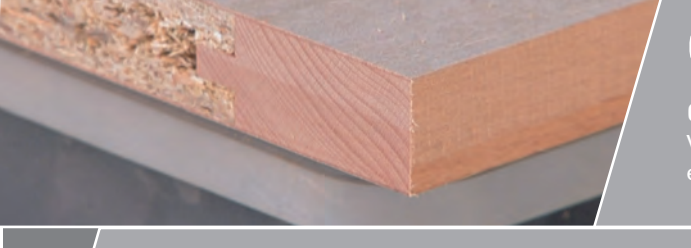
**VARIETY**  
 FABRIC FIBERS, POROUS CORK, SOLID WOOD  
 Extreme pulling cut and low cutting pressure of the p-System tools allow you to cut (porous) fibers with knife-like sharpness.



**FINISHED!**  
 IN FINISH-CUT QUALITY  
 Cutting across and along the grain of Multiplex with the same quality. Generally, grinding is no longer necessary



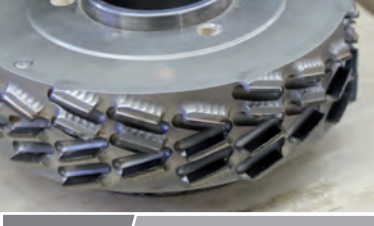
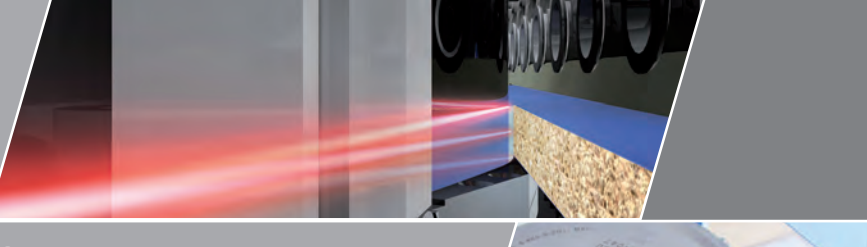
**MATERIAL MIX**  
 LARGE SPECTRUM  
 Processing of materials composed of different layers (soft, hard, fibrous, etc.)



**CHIP-FREE**  
 CHIP-FREE JOINTING  
 Veneer along and across the grain, even oak and matured wood veneer



**PRECISION**  
 WITHOUT MICRO CHIPPINGS  
 The LEUCO p-System jointing cutters generate an optimum jointing quality for zero joint using the laser/plasma technology.



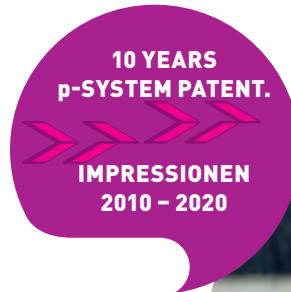
**ECONOMICAL**  
 SIGNIFICANTLY LONGER EDGE LIVES  
 Thanks to the low cutting pressure and according to the tool diameter and the mode of application, the LEUCO p-System achieves edge lives that are much longer compared with common DP tools: 4 times, 10 times ...



▲ Example jointing of parquet scantlings: more than 12 million running meters during a service life of 3.5 years

Example kitchen furniture manufacturer: 10 times ▲ longer edge life for panel material with 16 et 19 mm

ORIGINAL p-SYSTEM FROM LEUCO  
**2010 - 2020.**  
**IMPRESSIONEN.**



After the patent application, it all really started: Not only jointing, but also rabbeting, chamfering and grooving have become possible with the p-System. The diameters have become more and more delicate. The system received several awards and we presented it live at many trade shows.

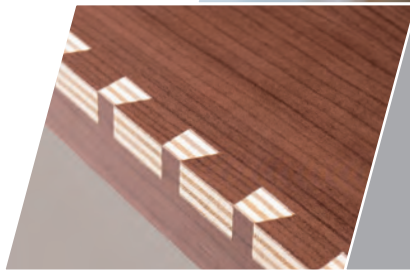
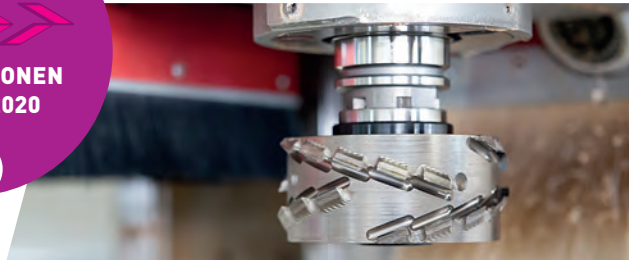
**“The p-System puts the textbooks into question.”**

With this statement at a trade show, a vocational school teacher put it in a nutshell. Since then, wood processing must be completely rethought.

**Even after 10 years, we at LEUCO continuously discover new application possibilities for a shear angle of 70°.**

LEUCO can also offer solutions beyond the p-System catalog program manufactured according to the process, material, machine and desired improvement in dimensions specific to the customer. What challenges can we solve for you? Talk to us.

Your LEUCO team



▲ Optimally designed with regard to the process, the material and the machine of the customer  
◀ New: dove-tail connection with p-System: “Machining of V-shaped grooves in a single processing step without chipping at the exit point.



◀ We are particularly pleased with the enthusiastic visitors of our live demos at trade shows.

Recently the p-System can sometimes also be used for profiling. ▼



▲ The German Innovation Award “GOLD” 2018 is granted to innovations with a positive effect on our industry segment.

◀ Initially, only D 20 and 25 mm, now up to D 6 mm: shear angles of 70° on a diamond-tipped tool offered new possibilities even for the LEUCO production in Horb am Neckar

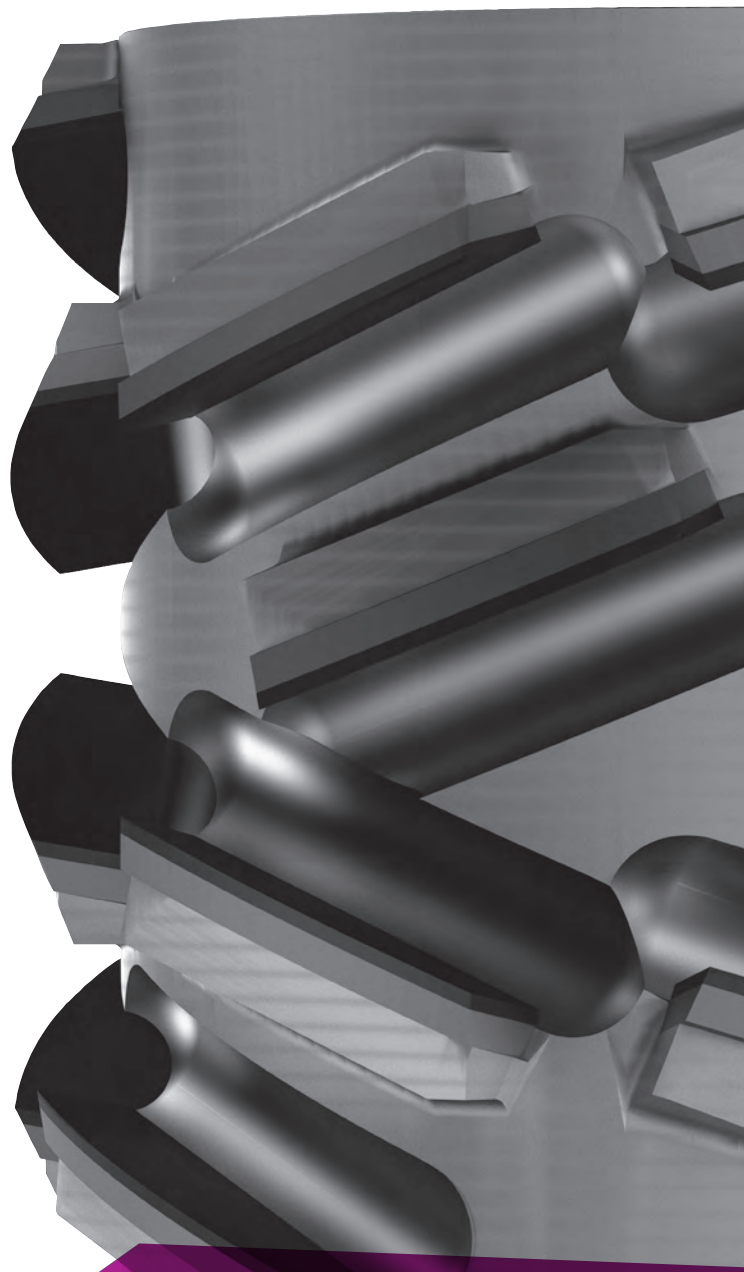


Dividing with a p-System cutter is based on ▲ the advantage that the cutting quality is the same independently of the direction of rotation.

◀ Chamfering of table panels in a single processing step and with perfect repeating accuracy. Optimum interaction with the aggregate. ▶



**LEUCO**  
MAGENTIFY WOOD PROCESSING



**Ledermann GmbH & Co. KG**  
Willi-Ledermann-Straße 1  
72160 Horb am Neckar  
Deutschland

**T +49 (0) 74 51/93 0**  
**F +49 (0) 74 51/93 270**

**info@leuco.com**  
**www.leuco.com**