



UNIFLEX

Maximum flexibility for drilling and dowel insertion

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Especially designed for small to medium-sized batches, the UNIFLEX series combines the flexibility of point-to-point processing with the efficiency of fast series production. Perfect precision, quick set-up times and a high level of automation provide the ideal basis for efficient just-in-time production, especially for panels and narrow parts subject to frequent product changes. These compact, robust machines for double-sided drilling and dowel insertion are perfectly designed to serve either as stand-alone solutions or fit seamlessly into production lines.

- ✓ Efficient production of small to medium-sized batches
- ✓ Workpiece processing on up to five sides
- ✓ Precision finishing of complex drilling patterns
- ✓ Minimal set-up times
- ✓ High degree of automation

Flexible, five-sided drilling is especially suited to process workpieces such as:

- ✓ Panels and narrow parts
- ✓ Furniture parts
- ✓ Drawers



THE K-SYSTEM

You can rely on KOCH to answer all your needs with expertise, precision and passion. With KOCH as your partner, you are offered the full range of possibilities, where transparency and consistency are guaranteed. From our clearly structured range of products, we provide you with the perfect solution to match your requirements.

Whether gearing up for a profitable launch, optimizing production to increase flexibility or configuring a unique system for maximum performance – no matter how you decide, each option is designed with the core competencies of the industry's leader and results in top quality. We call it the K-SYSTEM.

At its manufacturing facilities in Germany, KOCH produces cutting-edge technology for wood processing. Our product lines, consulting expertise and services are available around the world at any time through our extensive network of branch offices and business partners.

base

Product lines to optimize productivity and success

base.line

effective planning. efficient production.

- ✓ Pure function and top quality combined in concentrated form
- ✓ Convenient handling and reliable performance guaranteed
- ✓ High-quality equipment at an attractive package price

pro

pro.line

flexibly featured. designed for growth.

- ✓ Enhanced functionality for targeted optimization
- ✓ Boost in flexibility thanks to additional features
- ✓ Select machines at an attractive package price

select

select.line

customizable configuration. smart optimization.

- ✓ Tailored configuration to maximize performance
- ✓ Utmost flexibility through perfectly customized functionalities
- ✓ Seamless integration into production processes



UNIFLEX base.line

Efficient drilling and dowel insertion for small batches

Our UNIFLEX machine in the base.line version is ideally suited for double-sided drilling and dowel insertion. Drilling and dowel patterns are stored in the program, so even workpieces of varying width can be processed one after another with minimal stop and set-up times. Each workpiece is processed on a point-to-point basis, from fast transport and precise positioning through to efficient drilling and dowel insertion.



UNIFLEX base.line
Drilling and dowel insertion on a point-to-point basis

Overview of base.line features

- ✓ Horizontal drilling with variable number of individually controlled spindles
- ✓ Dowel insertion with variable number of dowel tools
- ✓ ELC – Electronic glue control
- ✓ NC positioning of width adjustment

Optional features

- + Vertical drilling near ends for fitting and connector holes
- + NC positioning of height adjustment
- + Workpiece return feed for one-person operation



A combined horizontal and optional vertical drilling station with dowel insertion tool



Horizontal drilling and dowel insertion station



Horizontal drilling and dowel insertion station with additional tools



UNIFLEX pro.line

Enhanced equipment, extended possibilities

The pro.line model of our UNIFLEX machine has two standard drilling heads, enabling vertical drilling of workpiece edges and surface areas. Enhancement options, such as long edge and end drilling, extend your production possibilities even more. Five-sided drilling increases your flexibility to process narrow parts, cabinet components or panels with speed and ease.



UNIFLEX pro.line
Drilling and dowel insertion machine for the processing of cabinet components and panels

Overview of pro.line features

- ✓ Vertical drilling
Two standard drilling heads with 28 spindles with 32 mm centers

Optional features

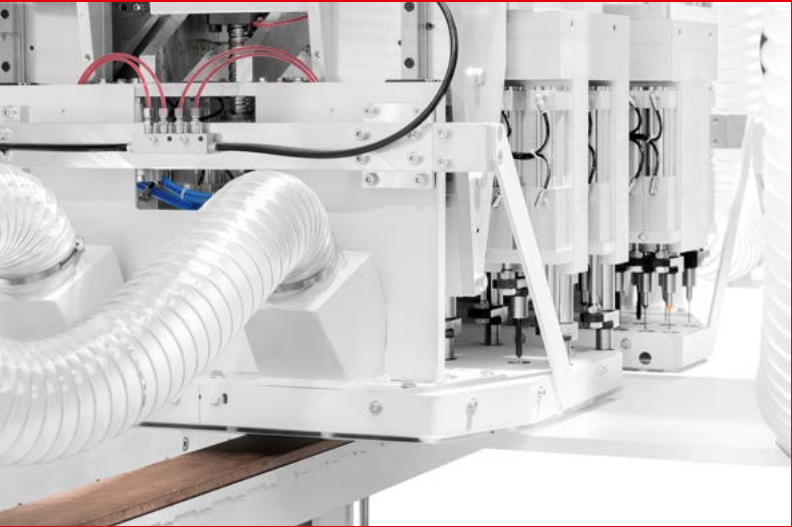
- + Horizontal drilling
maximum of five spindles (also possible in a separate station)
- + Long edge drilling with two exits
- + Long edge drilling in the feed chain area



Long edge-drilling unit



Horizontal and vertical drilling unit for the processing of panels



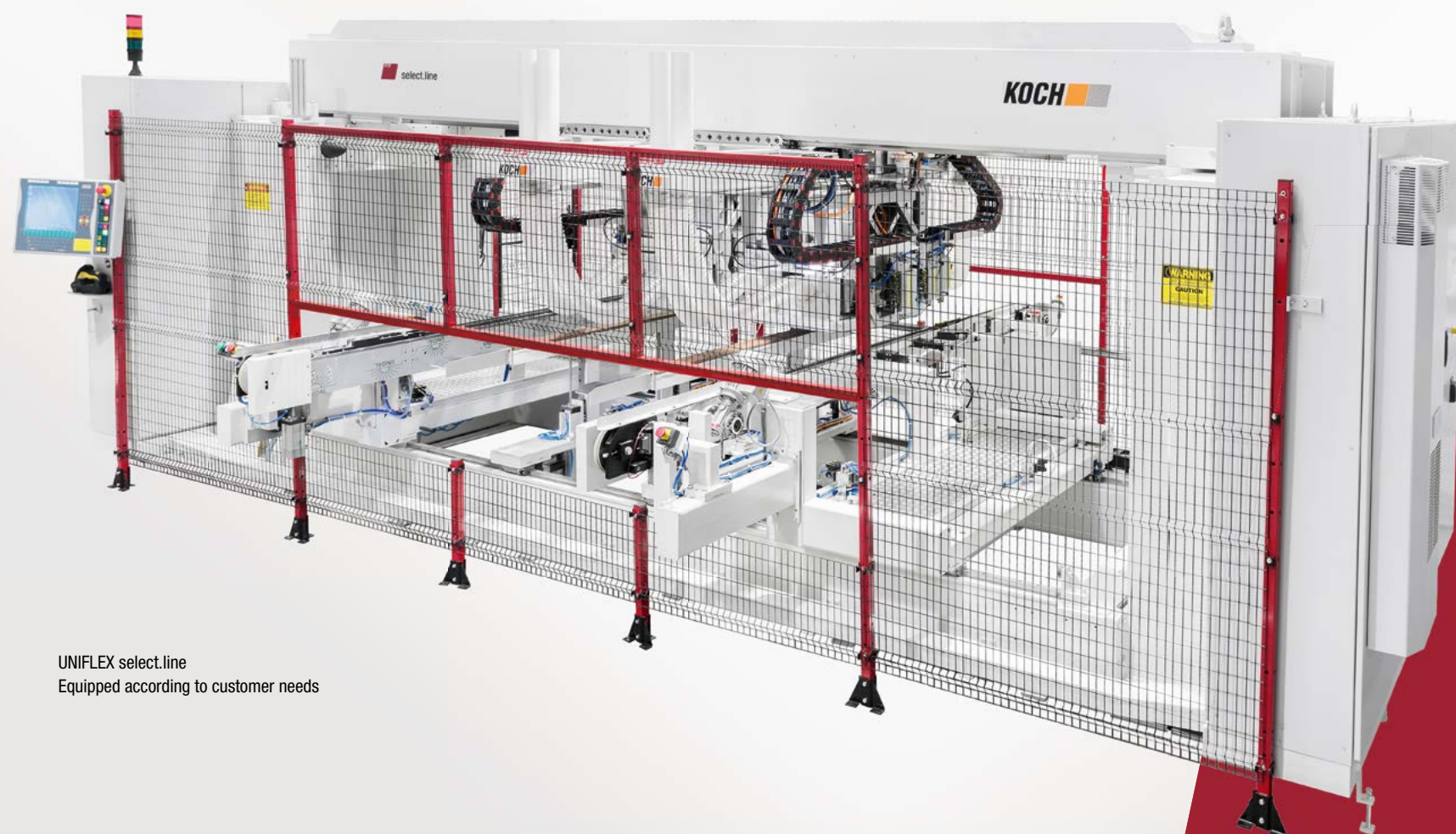
Vertical drilling units



UNIFLEX select.line

Fine-tuned for perfect finishing

The UNIFLEX select.line can be perfectly equipped to suit customer specifications. Depending on the focus of production, it can accommodate a variable number of drilling spindles and heads for vertical, horizontal and long edge drilling. Point-to-point processing guarantees precise, consistent results for changing drill patterns and workpiece widths. Optional double-cycle processing increases productivity even more.



UNIFLEX select.line
Equipped according to customer needs



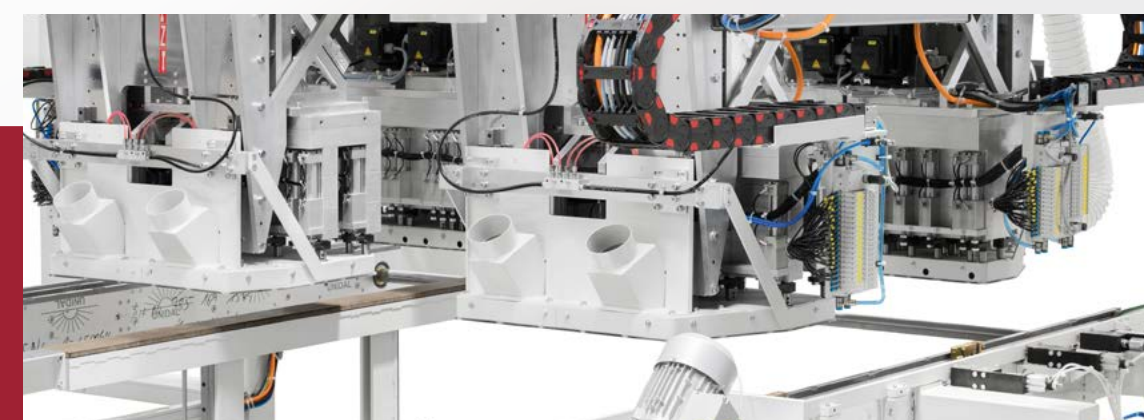
Quadro notching unit



Vertical drilling unit, long edge drilling unit and grooving station

Customizable solutions to suit your needs

- + Vertical drilling (special drilling heads)
- + Horizontal drilling (maximum of nine drilling spindles per side)
- + Long edge drilling also possible in the feed chain area
- + Dowel insertion
- + ELC – Electronic glue control
- + Grooving
- + Routing
- + Sawing
- + Notching
- + Double-cycle processing (simultaneous processing of two workpieces, max. workpiece width 600 mm)



Model with four drilling heads



Special drilling head for vertical drilling



Sawing station



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