



UNIDRILL

High performance drilling – with options to expand

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UNIDRILL is your high performance machining center for drilling small and narrow parts with ease and precision. Its design reflects KOCH's many years of experience in the development of wood-processing technology. Its sturdy base frame guarantees maximum precision across the entire work area. Due to its entirely modular design, your UNIDRILL can be equipped on a step-by-step basis within our three product lines, adapted to perfectly suit your needs – all the way up to six-sided drilling.

- ✓ Maximum machining accuracy during workpiece processing
- ✓ Equipped according to customer specifications
- ✓ High flexibility of drilling patterns thanks to two processing stations
- ✓ Maximum machining precision by means of
 - Stop and back stop
 - Clamping bridges with parallel guiding system
- ✓ Brand-name components guarantee high machine availability
- ✓ High output performance independent of workpiece dimensions

UNIDRILL machines are frequently used to process small and narrow parts. Common applications include

- ✓ Frame components
- ✓ Profiled rails
- ✓ Furniture parts
- ✓ Chair, bed and frame construction



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



UNIDRILL base.line

High performance for universal drilling

Our base.line version provides high flexibility for drilling patterns. The workpieces are guided through the various workstations for vertical, long edge and end drilling. The model's robust components ensure maximum availability and safety during operation.

As it requires minimal space, the UNIDRILL can be seamlessly integrated into a production line. Alternatively, it can be equipped with the optional workpiece return feed conveyor for one-man operation.



UNIDRILL base.line
Equipped with return feed coveyor for one-man operation

Overview of base.line features

- ✓ Two vertical drilling units (from above)
- ✓ Two vertical (and long edge) drilling units with drilling depth optimization at the edge drilling units
- ✓ Horizontal drilling into workpiece ends

Optional features

- + Return feed conveyor
- + Center stock support
- + Semi-automatic positioning
- + Extraction hood



Horizontal and vertical drilling units



Clamping cylinder (Quick-change system at the overhead beam)



Clamping cylinder (mounted on the drilling unit)



Workpiece return feed conveyor



Workpiece stop and back stop



Machine bed with integrated chip-collecting system



Center stock support



UNIDRILL pro.line

Enhanced functionality and versatility with drilling from below

In the pro.line version of the UNIDRILL, two additional vertical drilling units enable drilling from below. The drilling units can be positioned anywhere along the entire width of the work area, providing the maximum in versatility.

With options for even more drilling stations, this model helps you make the most out of the UNIDRILL's efficiency and high performance capabilities, so you can produce high volumes in short cycle times.



UNIDRILL pro.line
Extra flexibility thanks to additional optional features

Overview of pro.line features

The basic equipment is identical to the base.line version and includes the following additional features:

- ✓ Two vertical drilling units (from below)

Optional features

In addition to the optional features in the base.line version:

- + Maximum of two additional vertical drilling units (from above)
- + Maximum of two additional vertical drilling units (from below)
- + Chip conveyor



Drilling units for vertical drilling from above and below



Horizontal and vertical drilling units



Drilling stations



Long edge drilling and vertical drilling from above



Optional add-on units for tailored optimization

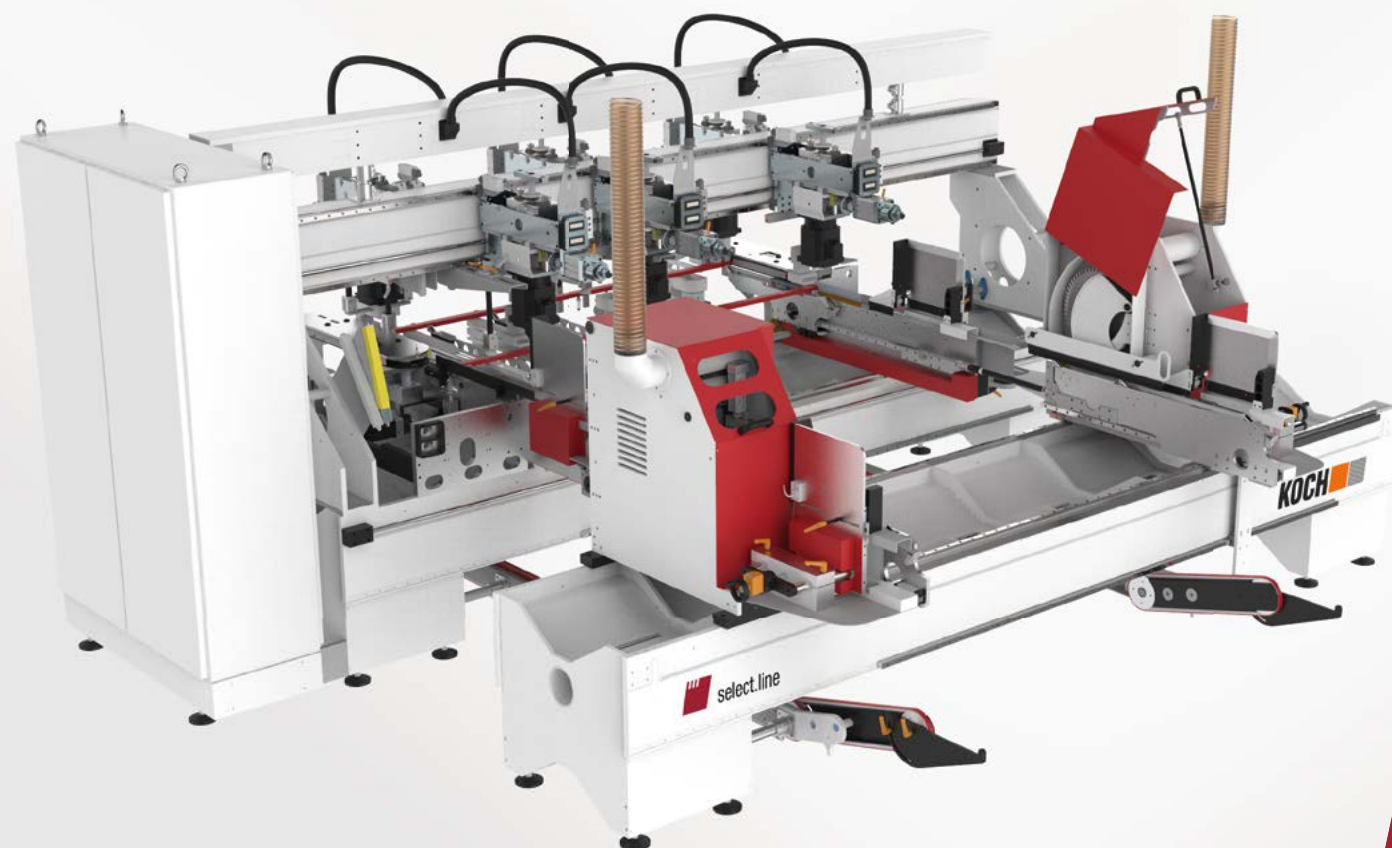


UNIDRILL select.line

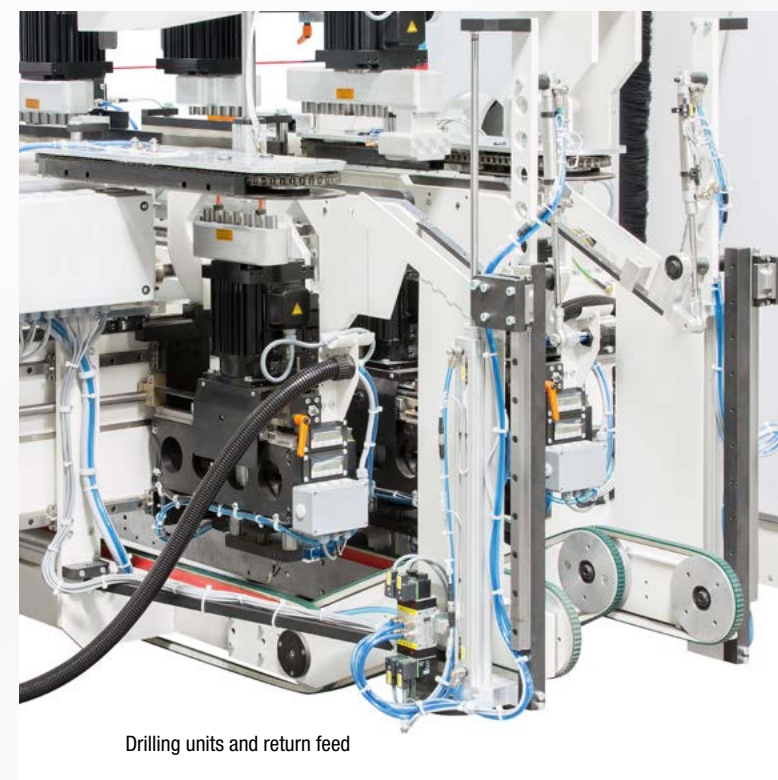
The perfect design for unique possibilities

In our select.line version, the UNIDRILL can be ideally equipped to suit your individual needs. It's uniquely designed to accommodate up to five drilling units on each side of the overhead beam, which can be positioned anywhere along the width of the working area. There's a module to suit any processing step, and of course all versions enable drilling close to the workpiece edges.

Even dowel insertion and sawing aggregates can be included. Whether as a stand-alone machine or as part of a production line, the UNIDRILL select.line's outstanding functionalities let you process and produce high volumes fast and efficiently.



UNIDRILL select.line
Modular design perfectly customizable
to suit individual needs



Drilling units and return feed

Customizable solutions to suit your needs

- + Horizontal drilling into workpiece ends
- + Vertical drilling from above
- + Vertical drilling from below
- + Vertical and long edge drilling – front and back side
- + Sawing
- + Dowel insertion



Vertical and long edge drilling unit from above and vertical drilling from below



Vertical and long edge drilling from above



Dowel insertion station



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