



# SPRINT

The all-purpose solution for drilling and dowel insertion

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■ Trendsetting Technology

# The drilling and dowel insertion system that fits perfectly into your production process

Machines in the SPRINT series are characterized by precision manufacturing technology, convenient handling and high-end performance.

Wherever exact drilling patterns and consistent dowel insertion are needed, SPRINT machinery meets those demands flawlessly while raising the bar on reliability.

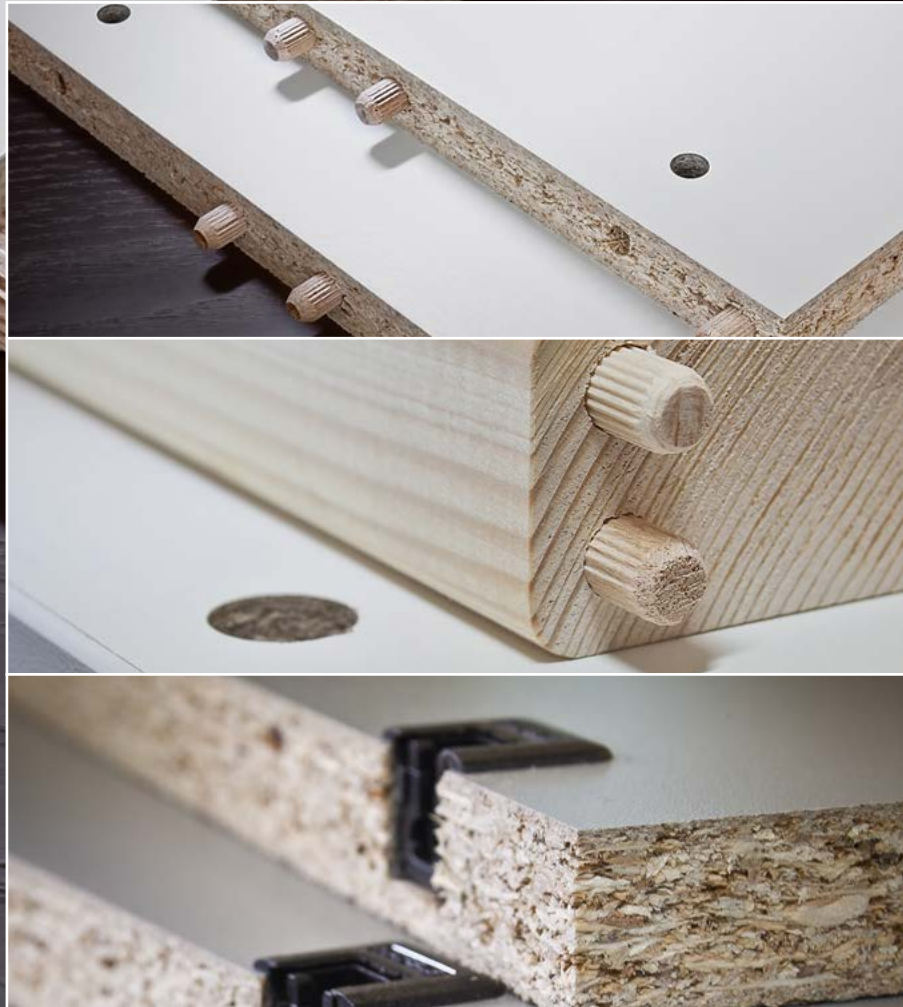
- ✓ Optimized for just-in-time manufacturing
- ✓ Flexible for all drill/dowel patterns
- ✓ No downtime and minimal set-up time for program reconfiguration
- ✓ Suitable for components with varying dimensions
- ✓ Clean, maintenance-free gluing system (low maintenance)

Faster production processes and exact reproduction are an ideal combination to make perfectly precise dowel joints for products such as

- ✓ Casegoods
- ✓ Drawers
- ✓ Cabinet and furniture frame parts
- ✓ Solid wood rails, stiles, jambs and posts



# SPRINT



Product video



## 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.

# 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.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.line

customizable configuration. smart optimization.

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



*base*

# SPRINT base.line

All-round precision for top results

Pure function, top quality and consistent high performance are combined into one in the basic version of our SPRINT drilling and dowel insertion machine. Its sophisticated, internationally proven technology guarantees high-quality results – consistently over long periods – and reproducible accuracy thanks to perfect precision.



## Overview of base.line features

- ✓ Four working fields
- ✓ Frame widths 1,300 mm
- ✓ Horizontal drilling station with one drilling spindle
- ✓ Glue injecting and dowel insertion station
- ✓ KOCH WOP – Parametric Programming
- ✓ Three manually adjustable stops (center and side fences)
- ✓ Premium Remote Support – Service via internet
- ✓ Central lubrication system

## Optional features

- + Optional frame widths 1,800 / 2,500 mm
- + Vertical drilling station from above with one drilling spindle
- + ELC – Electronic glue control
- + NC-positioning of height adjustment in the drilling and dowel insertion station (Z-axis)
- + Automatic detection of stock width
- + Bar code reader
- + Low voltage supply UPS



Drilling and dowel insertion station



Adjustable side and center fences can be positioned manually to three different heights



The center fence can be lowered manually to accommodate large workpieces



# SPRINT pro.line

Enhanced for even more flexibility

This model in our pro.line product line combines high-end performance with versatility and flexibility. The special added features make this machine predestined for a wide array of tasks in the production process. The enhanced equipment allows you to optimize dedicated processes, opening up new opportunities for production.





## Additional features

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

- ✓ Max. workpiece width 1,600 mm
- ✓ Horizontal drilling station with two individually controlled drilling spindles
- ✓ Vertical drilling station from above with three individually controlled drilling spindles
- ✓ ELC – Electronic glue control
- ✓ Clamping system for solid wood parts
- ✓ Stock clamping system for small parts
- ✓ NC-positioning for X, Y and Z
- ✓ Safety curtain with lamellas to protect against reaching into danger zone
- ✓ Low voltage supply UPS

## Optional features

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

- + Max. workpiece width 2,300 mm
- + Automatic detection of stock width
- + Bar code reader



Lowered side fence for doweled parts



Drilling and dowel insertion station



A safety curtain with transparent lamellas and a memory function protects against inadvertent entry into the danger zone



# SPRINT select.line

A customized processing center for maximum productivity

In our select.line model, various working units can be configured in a variety of ways, providing the greatest number of possibilities to match SPRINT equipment to your individual needs. Whether used for inserting fittings, horizontal or vertical routing, grooving or processing at 45° or 90°, this customized processing center can be perfectly fine-tuned to suit any production process.

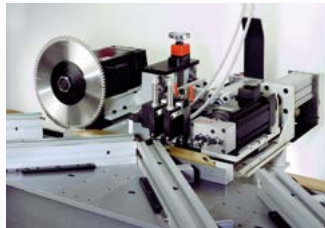




Routing for French Cut frame joints



Horizontal routing is used to make mortise and tenon joints for cabinet door components



Trimming, drilling and dowel insertion at 45°

## Variable solutions according to customer's needs

- + Optional frame widths  
700 / 1,300 / 1,800 / 2,500 / 3,000 mm
- + Horizontal drilling with variable number of individually controlled spindles
- + Vertical drilling with variable number of individually controlled spindles
- + Horizontal routing
- + Vertical routing
- + Profile trimming
- + Dowel insertion for varying lengths and diameters
- + Fitting insertion
- + Trimming, drilling and dowel insertion at 45°  
(miter joint processing)
- + Tiltable drilling and dowel insertion unit (0° and 45°)
- + Horizontal grooving
- + Vertical grooving
- + Sawing and trimming



Customized drilling station with seven vertical and ten horizontal drilling spindles



Automatic detection of stock width



Horizontal routing



Tiltable drilling and dowel insertion unit (0° and 45°)





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