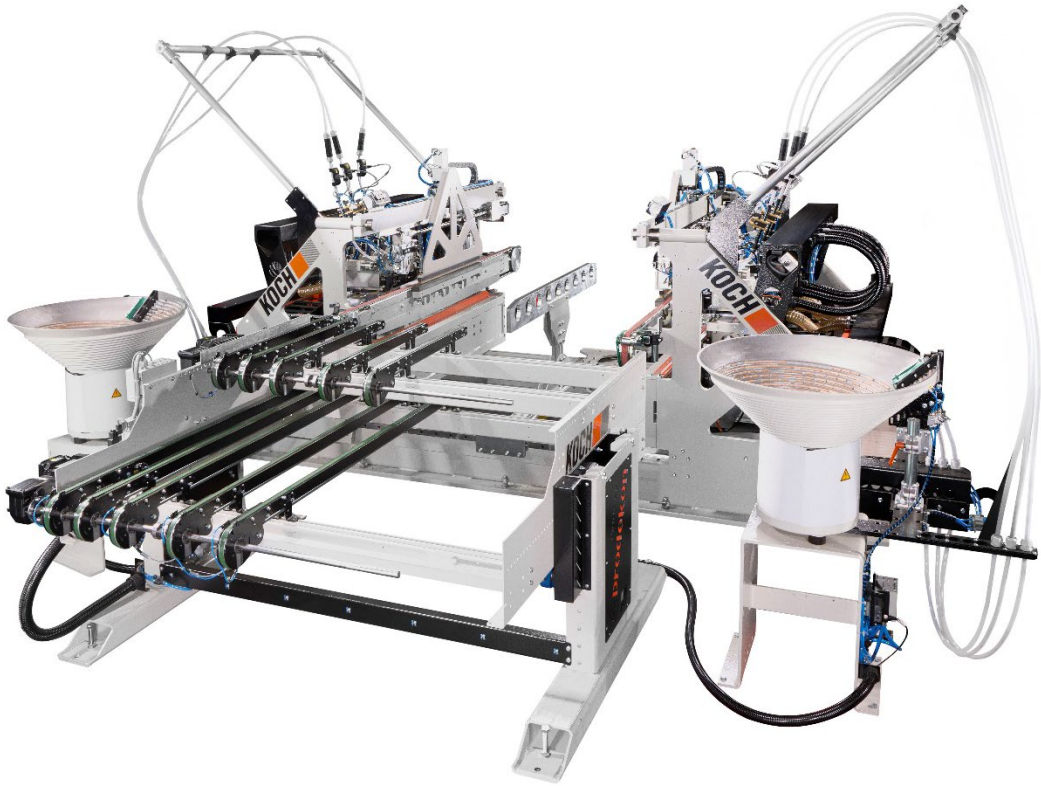
MULTIFLEX

Flexible drilling and dowel processing for medium quantities

More flexibility

- ✓ Motorised adjustment of the processing units for optimised set-up and flexible positioning of the units to one another
- ✓ Wide processing spectrum, from narrow parts to cabinet parts
- ✓ Gentle workpiece transport, also for the transfer of smaller parts
- ✓ Can be used as a stand-alone, single-sided loading (production island) or throughfeed machine (in-line)

Click here for the video ►►



Optimised ergonomic working

Dowel pots positioned at ground level for better working ergonomics and possibility to refill outside the safety area

Setup-free working

Automatic adjustment of the processing units, depending on the production programme

Simple operation and maintenance

Simple, self-explanatory machine operation thanks to the latest KOCH machine control and user interface

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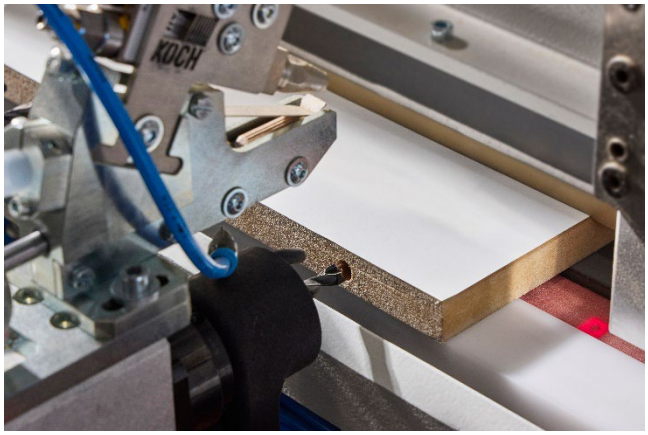
Basic equipment at a glance:

- ✓ Stock clamping system with integrated workpiece stops
- ✓ Stock centre support with automatic adjustment for processing workpieces from 500 mm in length
- ✓ NC axes for width adjustment and processing supports
- ✓ One MULTIFLEX unit per side with drilling and dowelling function with integrated drill hole blow-out and extraction system
- ✓ Dowel feed with sensor-based dowel detection (patent pending)
- ✓ Dowel hopper positioned at ground level for better working ergonomics
- ✓ Gentle workpiece belt transport, particularly suitable for narrow parts
- ✓ With central suction channel
- ✓ 18:1 high-pressure glue pump
- ✓ Electronic glue control ELC (patent granted)
- ✓ Central lubrication of the working units
- ✓ A/C unit
- ✓ UPS low voltage supply

Options:

- + One additional MULTIFLEX unit per side with drilling and dowelling function (max. 6 per side)
- + 1 vertical drill spindle per side from above (at the edge)
- + Vertical drilling from above into the surface (with overhead beam)
- + Vertical drilling from below
- + Hybrid drilling station
- + Insertion unit
- + PEANUT connector insertion possible
- + Machine outlet: Stacking magazine at the outlet or motorized stock outfeed belt



Options for machine loading:

- + Reversing workpiece transport
- + Double-deck belt conveyor
- + Loading cell with 6-axis robot
- + Magazine (up to 300 mm workpiece width)
- + Belt infeed

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