KOCH

Model B-510-S

The KOCH machine factory in Leopoldshöhe - for years well-known as a manufacturer of high quality machines for the wooden window production - has completed its range of machinery with a machine for front-sided profiling of workpieces up to 390 (mm) wide.

The operative range of this machine is especially the front-sided profiling of different types of transoms. Furthermore, front door components, also angular workpieces can be processed.
Angular workpieces are correctly placed by means of a laser. The quick-change system of the working motors enables quick changing of the shaping tools. This reduces the set-up times especially for flexible small-lot production. It is possible to equip the machine optionally with a tool magazine.
The working units are mounted on a support controlled by 3 axes.
The machine is equipped with a trim saw (3 kW), two shaping motors working in opposite directions (4 kW) for splinterproof processing without counter profile. The two shapers are adjusted by parameter input of the machine control. The machine is additionally equipped with a boring and dowel driving station. The boring positions are freely programmable without fixed boring line.

The workpieces are processed as follows:

- the production data are read in (on-line)
- the workpiece is placed on the supporting table
- the longitudinal stock stop is positioned to a dimension X (finished size + dimension to be cut off)
- saw cut, profiling, boring, dowel driving
- the workpiece is turned to 180 degrees and then set in again
- the longitudinal stock stop is positioned to the finished size
- saw cut, profiling, boring, dowel driving
- the workpiece is finished and taken out

The machine can be controlled on-line. The data records of the known window manufacturing programs are read in.