



TW-EasyWinWood

The windows processing centre

- highest efficiency
in a localized manner footprint < 21m²
- complete machining without setup
in one tensioning phase
- no picking of scantlings necessary
due to the integrated occupation optimization





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The TW-EasyWinWood is specially designed for complete processing of window and door frames. It is possible to clamp four to six metres long scantlings. These scantlings are automatically separated, the holms then getting the components free as to allow for complete machining. Up to 48 completely processed items can be produced in one tensioning phase. The sturdy tensioners fasten the parts in their precise position.

The machine can be controlled via the user-friendly Lignocam and is freely programmable due to the ISO code. You are thus given every liberty to accept other tasks in addition to frame machining. The automatically movable holms can be programmed freely as NC axes and can be moved freely during processing as well. Due to the interpolating C axle you are able to position your tools on every side. The spacious tool changer accommodates tools with a diameter of up to 300mm and a weight of up to 15kg.

The water-cooled, high-torque 12kW-HT spindle is able to resist heavy loads and can turn at a speed of up to 24000 rpm. It is designed for hard profiling work. You win space due to the vertical setup of the tensioning system, thus being presented with highest productivity in a localized manner. The chips accrue centrally and are thus easy to dispose of.

technical benefits

- complete machining in one tensioning phase
- maximum accuracy
- simple data takeover
- precise workpiece clamping
- machining without setup time
- 4-axes CNC processing centre
- interpolating C-axle
- 12 tensioning holms
- 4 tensioners on each holm
- a total of 48 tensioners
- freely positionable tensioning holms
- tensioning holms can be programmed as NC axle
- automatic crosscutting of the window scantlings
- two different gripping powers per tensioner

economic benefits

- thanks to the integrated occupation optimization there is no need for picking of the scantlings
- compact, horizontal design and thus little floor space (21m²)
- complete machining without setup in one tensioning phase



Control / Software



The Windows user interface offers the operator a familiar working area. The control module is embedded in a clear and ergonomic control panel with widescreen.

The TW-EasyWinWood is based on a completely digital PC control with optical fibre bus. Real-time processing, Soft-PLC and integrated high-level language make up for performance and user-friendliness. There is no need for reference runs due to the absolute propulsion technology.

- PC control
- operating system Windows XP PRO / WIN7
- optical fibre bus
- windows-like operation
- remote maintenance



We present a comprehensive package with a completely integrated and completed solution. From the window installation software to the finished window.

Data history:

- 3E window installation software
- rod optimization for window installation TW-OptiWin
- setup list for window scantlings
- CAD/CAM programming software Lignocam-TW
- TW-Control control with integrated window production functions and collision monitoring
- window processing centre TW-EasyWinWood

Technical data

Dimensions

The TW-EasyWinWood handling centre is a very consolidated facility.

- length approx.: 8300 mm
- width approx.: 2500 mm
- height approx.: 3400 mm
- travel lengths X, Y, Z: 7250/2250/390 mm

Services

The TW-EasyWinWood processing centre is equipped with a high-torque spindle.

- spindle performance: 12 kW
- speed max.: 24000 rpm
- Ø handling time / frame: 60 seconds

Tool changer

The TW-EasyWinWood processing centre is equipped with a generously dimensioned tool changer.

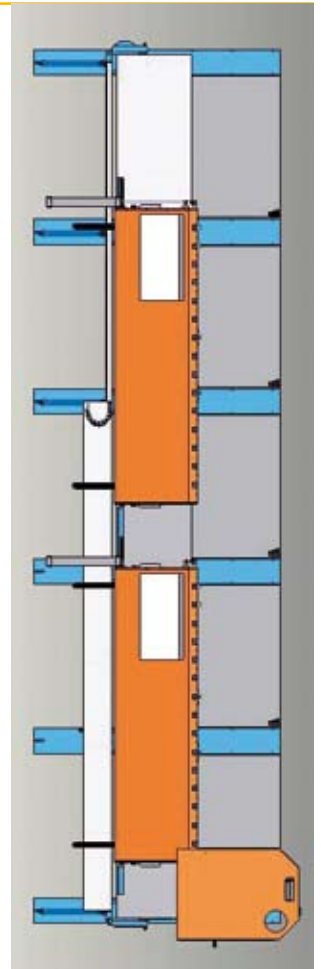
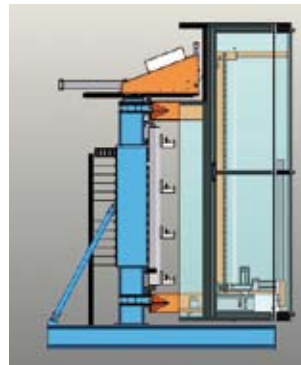
- number of tool changing sites: 2 x 15 sites
- tool infeed: HSK F63
- max. tool weight: 15 kg
- max. saw diameter: 300 mm
- max. tool diameter: 250mm

Workpiece clamping

The TW-EasyWinWood processing centre is equipped with numerous strong and precise tool tensioners.

- number of tensioning holms: 12 pieces
- number of tool tensioners: 48 pieces
- max. workpiece length: 6000 mm
- max. workpiece width: 200 mm
- max. workpiece thickness: 100 mm

subject to modifications



TechnoWood GmbH
 Riethalden 2171
 CH-9658 Wildhaus
 Tel. +41 71 997 04 00
 Fax +41 71 997 04 01
 info@technowood.ch
 www.technowood.ch

techno
Wood