3D structure planing in through-feed technology with the Powermat 2400

Michael Weinig AG

Innovations from the global market leader

The Michael Weinig AG Tauberbischofsheim, Germany, is the global market leader in machines and systems for solid wood processing. With its Powermat machines, Weinig now also enables the production of three-dimensional profiled work pieces in through-feed technology. Thereby and for the first time, sophisticated surface decors can be created fully-automated in a single processing step.

Technical data

- Feed rate up to 60 m/min
- Working height 10 – 160 mm (200 mm opt.)
- Working width 20 – 230 mm (310 mm opt.)
- Spindle speed 6,000 rpm
  optionally 8,000 – 12,000 rpm
- Spindle power 7,5 – 21 kW (vertical)
  7,5 – 37 kW (horizontal)
- CNC-controlled axis adjustment (opt.)
- Improved acoustic insulation (opt.)

Powermat Highlights

- High output rate, particular for large batch sizes
- Surface structuring as an add-on to conventional planing and profiling
- Creation of irregular structures by randomized axial and radial oscillation of the processing spindles
- Programming of variable patterns for decors or customized designs
- NC-controlled multi-axes processing with SINUMERIK 840D for excellent surface quality

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With sustainable cooperation and partnership between Weinig and Siemens, we achieved successfully our common goals: the realization of innovative ideas of Weinig as machine builder, together with Siemens products and technology – shortly, and in high quality!