

446 twinplan

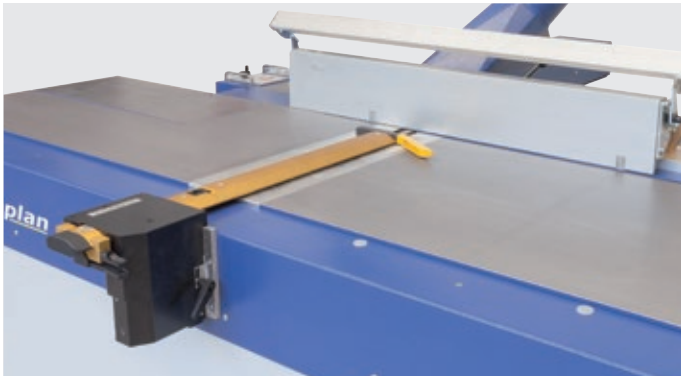


Surface and thickness planing machine

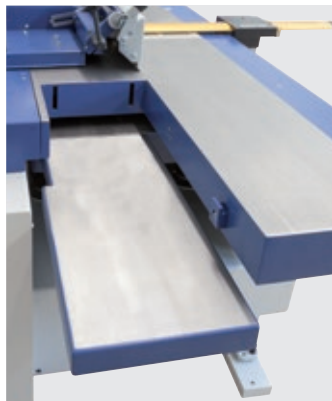
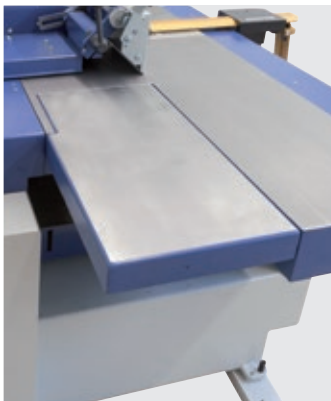
## Surface and thickness planing machine 446 twinplan



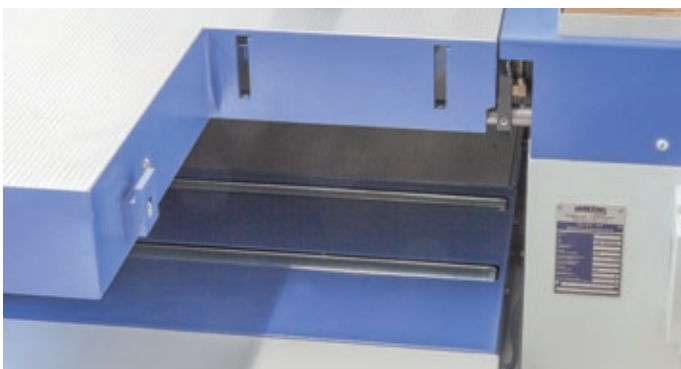
**Simple operation.** Well-structured buttons are used to set the required dimensions for surface (l.) and thickness planing (r.).



**Large work area.** The working tables are finely planed with perfect sliding properties. The stable fence ruler can be moved far back for a working width of 630 mm.



**Quick adjustment.** Segments of the worktable can be adjusted quickly for conversion to the thickness planing function.



**Option.** The driven table roller can be activated to ensure that short parts as of approx. 320 mm are moved out of the machine.

### Two worksteps - one machine

The combined planing machine is designed for performing both, surface and thickness planing with a low economic effort.

Comprehensive conversion measures at the machine are not required between the individual work steps. Dual operation for both processing methods is possible without additional settings.

Simple setting of the precise values is enough to get to the desired result.



**Option.** The thickness table extension expands the work area by 1000 mm. Height adjustment takes place automatically.



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### Technical Data

#### Technology

- PANHANS four-knife shaft with knife setting devices
- Finely planed worktables
- Ergonomic machine dimensions
- Thickness table on 4 trapezoid spindles
- Pushbutton switching with electronic soft start-up
- Electronic wear-free motor brake
- Two extraction socket 160 mm

#### Surface planer

- Electro-motor adjustment of the infeed table via button activation
- Electronic digital display for chip removal
- Toothed table lips for noise reduction
- Surface fence is tiltable to 45° in extremely smooth steel guide
- Anodized surface fence
- Bridge protection TXF type 1570 with cover that can be folded down
- Swivelling auxiliary stop type 1545

#### Thickness planer

- Position control Easy Drive
- Thickness table in high-ribbed design, tipping-proof on 4 trapezoid spindles
- Electrical height adjustment of the thickness table
- Sectioned pressure beam
- Segmented rubber infeed roller
- 2 rubber outfeed rollers
- Thickness table without table sliding rollers
- Pendulum-bearing in- and outfeed rollers
- 2 infeed speeds by pole-changing motor

Other designs on request.  
Technical change reserved.

• Planing width	630 mm
• Planing height	3 - 250 mm
• Table length surfer	2555 mm
• Table length thicknesser	1100 + 400 mm
• Chip removal max. surface	5 mm
• Chip removal max. thickness	8 mm
• Knife shaft rotating speed	5000 rpm
• Motor power main motor	7.5 kW / 10
Infeed motor 1st speed	0.55 kW / 0.8 PS
2nd speed	0.75 kW / 1.0 PS
• Feed speed	7 + 14 m/min
• Extraction socket	2 x 160 mm ø
• Machine weight	1210 kg
• Floor space required	2650 x 1770 mm
• Machine colour	RAL 7035 / RAL 5000
• Electrical	accord. to VDE 0113/EN 60204
• Voltage	400 V / 50 Hz

#### Options

- Full steel knife shaft with 4 TERSA turning knives
- 2 table sliding rollers in the thickness table incl. steel intake roller
- Positioning control with keypad
- Infeed motor frequency-controlled, smoothly from 3 to 24 m/min
- Operating hours counter
- Removal 400 mm for short parts can be activated
- Thickness table extension 1000 mm with automatic height adjustment
- Machine socket
- Suvamatic planing protection device

Electrical system according to VDE 0113/EN 60204  
Workplace-related emission value dB(A) prEN 860, ISO 7960  
measured with Tersa blade shaft Z=4, fluctuation surcharge K = e db(A)

Drilling

Sawing

Milling

Planing

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