

Parquetry-Planer PAKE 120 / 170 / 220

High Capacity 4-side Planer for Solid Parquet and Top Layer Blocks

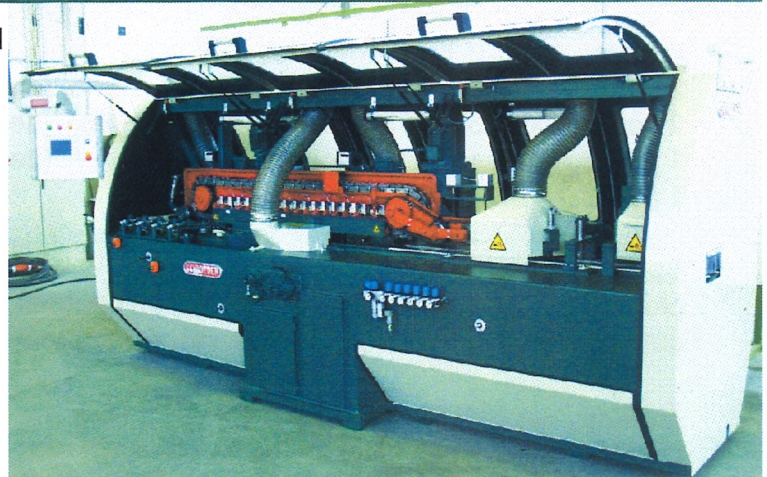
Solid Parquet
Top Layer Blocks



4-side planer for high precision (solid parquet and top layer blocks) and high capacity applications (feed speed 15 - 50 m/min.), specially designed for short wood blocks from 200 mm min. length.

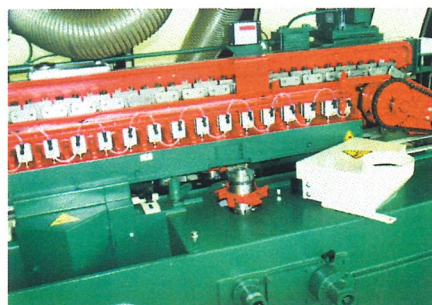
Operation of the machine completely from front and via PLC-touch-panel on moveable arm, with large CE-safety hood, (max. 84 dB/A).

Heavy top feed chain with 2 individually adjustable, pneumatic pressure systems and precision grinded linear guide for highest straightness of the parquet blocks (+/- 0,03 mm / 500 mm).



Motorized height adjustment of the feed chain by PLC control.

Exactly opposing cutter heads (Option: precision bearings) with symmetric and parallel width adjustment with direct measuring system and digital display.



Wood widths: (35) 40 to 120 mm (PAKE 120), 170 mm (PAKE 170) or 220 mm (PAKE 220).

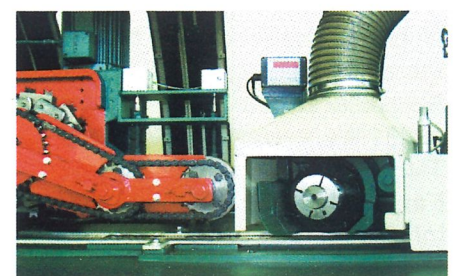
Top planer shaft with concentric, segmented pneumatic pressure bars.

Option: additional (5th) saw shaft for back face grooving.



Bottom and top planer shaft with precision spindle bearings and at 30° angle, for perfect surfaces without hits / steps.

Cutterblocks with indexable TC-inserts on hydro-sleeves or Aluminium hydro-planer-heads.



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High Capacity 4-side Planer for Solid Parquet and Top Layer Blocks

Technical Specifications:

- PAKE 120: max. wood width 120 mm (infeed)
- PAKE 170: max. wood width 170 mm (infeed)
- PAKE 220: max. wood width 220 mm (infeed)
- standard version with noise reducing CE-safety hood (max. 84 dB/A)
- motorised height adjustment of the feed chain system
- operation via Siemens S-7 Touch Panel on moveable arm
- planer shafts at 30° angle
- upper feed chain with 94 crowns, 4-point M14
- feed drive control via frequency converters and common adjustment

wood width (infeed):	40 - 120 (170 or 220) mm (min. 45 mm for profil cutters with glue-groove)
wood thickness (infeed):	10 - 35 mm (depending on tooling, e.g. with straight cutters max. 30 mm)
wood length (infeed):	200 - 800 (1200) mm (on request up to 2500 mm)
feed speed (adjustable):	10 - 60 m/min.
dust exhaust (35 m/sec.):	2,7 m ³ / sec.
pressur. air (6 bar):	ca. 50 NL/min.
total electr. power:	approxim. 32 kW (standard version)

Motors:

- 2 pcs. 7,5 kW, 3000 rpm for the planer shafts (depending on version up to 15 kW)
- 2 pcs. 5,5 kW, 3000 rpm for the cutter shafts (depending on version up to 7,5 kW)
- 1 pcs. 5,5 kW, 1500 rpm for the feed drive (depending on version up to 11 kW)
- 1 pcs. 0,75 kW, 1500 rpm for the infeed

Spindel-speed:

- planer shafts: 5900 rpm (effective), on request up to 9.000 rpm
- cutter shafts: 5900 rpm (effective), on request up to 9.000 r.p.m.

Tooling:

- planer shafts: 3 (4 or 5) LEITZ TC-cutterblocks with inserts 160 x 50 x 60 mm, 4 (or 6) knives each, per spindle, on ETP Duo-hydro-sleeves type B - 50 / 60 - 190 (240 or 290)
- or
cutter shafts: 1 (Aluminium) hydro-planer head with long TC-, Stellite- or CV-knives, 6 knives.
- or
cutter shafts: 1 set TC T & G cutters 180 mm diam., 60 mm bore, 6 knives, on LEITZ / ETP Duo-hydro-sleeve, SPH 60 L or R
- or
cutter shafts: 1 LEITZ TC-cutterblock with inserts 180 x 30 x 60 mm, 6 knives (for top layer blocks) each, per spindle, on LEITZ / ETP Duo-hydro-sleeve, SPH 60 L or R

Weight: approxim. 3600 kg (depending on version up to 5.500 kg)

Dimensions (L x W x H): approxim. 3500 x 1350 x 1700 mm (dep. on version up to 5500 mm long)

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