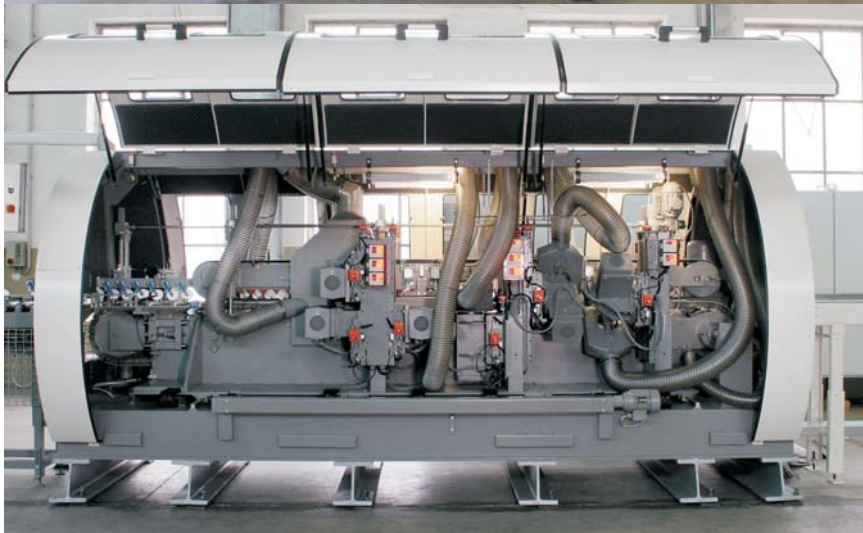


# Parquet Profiler DUO F

High-precision lengthwise profiling machine for pre-finished parquet with up to 12 spindles

Profile machining of pre-finished parquet blocks and strips is processed in special machines, which fulfill extremely high requirements regarding accuracy. Mono-chain or table-machines do not reach such levels of tolerance and scratch-free processing. The blocks are placed top-face down on 2 very small feed chains with plates. Scoring saw spindles prevent from chipping and tear-out even of cross-grain wood layers. For machining of complex profiles (e.g. "clic") additional saw- and cutter spindles (or tiltable universal spindles) are available. Due to high precision guidance of the feed chains as well as a design with integrated needle bearings, accuracies of about  $\pm 0,02$  mm can be guaranteed. Depending on requirements regarding capacity (speed) and min. working width either roller guided (max. feed speed 120 m/min.) or slide guided chains (min. working width 56 mm) are used. All tools are driven by high-precision spindle motors with individual inverters (for customized cutting speed).

All shafts are designed for hydro sleeve (or HSK 63m) clamping and equipped with direct length measuring systems and digital displays (resolution 0,005 mm).



Complete operation of the machine via PLC-touch panel, mounted on a moveable arm. Spindles are set at individual slides, compact design for profile accuracy and precision.

Infeed side fence adjustable in height and width for perfect alignment to the top layer.

Working area covered by a full safety hood according CE-standards, all pollution by dust and noise is essentially ( $< 85$  dB/A) reduced.

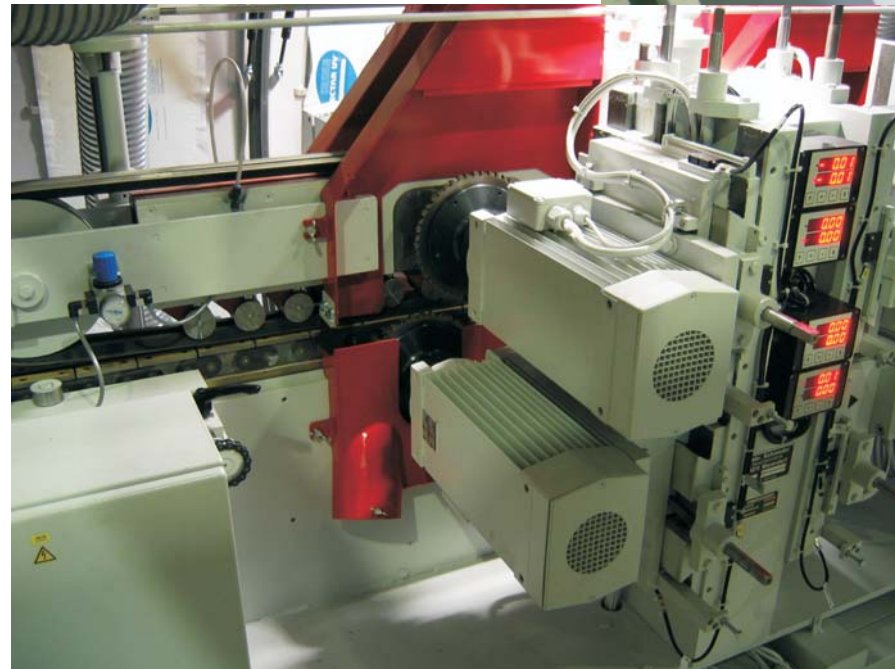
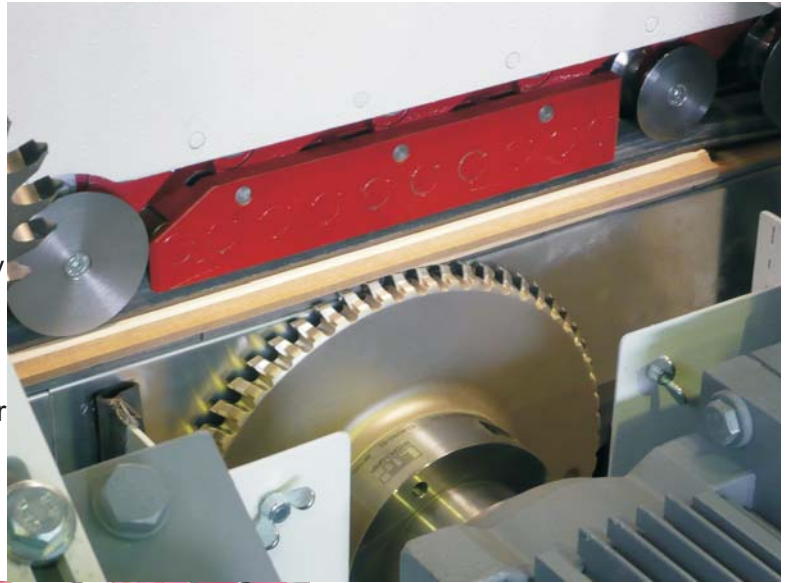
# Parquet Profiler DUO F

High-precision lengthwise profiling machine for pre-finished parquet with up to 12 spindles

Lengthwise parquet profiler in compact & single frame design with extremely precise & heavy bottom feed chains in 2 versions:

- roller guided chains for high feed speed up to 120 m/min. Wood widths > 65 mm or
- v-shape slide guided chains for extremely small widths from 56 mm and feed speed up to 60 m/min.

On request with additional universal saw or cutter spindles for bevel or "clic"-profiles. Up to 6 spindles per side (= in total 12 spindles) .



Motorized PLC-position control for machining width and top pressure position (thickness).

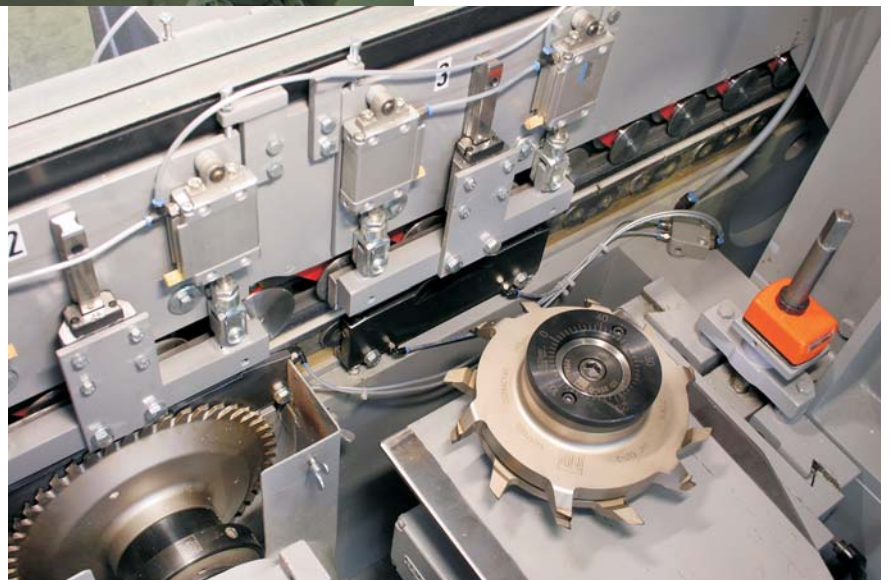
4 (up to 8) scoring & pre-cutting saws and 2 - 4 vertical profiling spindles with high precision spindle motors for minimized tear-out with direct length measuring systems.

Optional with top and bottom air-cushion reference bars and top pressure bars for increased accuracy of T & G profile (for sliding chains recommended).

Individual direkt drive with free-run and pneumatic pressure of the top pressure belt systems.

Exactly opposing saw & cutter spindles with Diamond tooling on hydro-sleeves (or HSK 63m) with height adjustment for:

- extremely precise T & G,
- long stability of the profile,
- no chipping and tear-out,
- no overwood and
- perfect straightness of the blocks





# Parquet Profiler DUO F

High-precision lengthwise profiling machine for pre-finished parquet

## Technical Specifications:

Standard frame version with 6 spindle positions each per side, large CE-safety hood and operation via PLC-touch-panel on moveable arm; on request with remote control.

All spindles with direct length measuring systems and digital displays (x and y,  $\alpha$ )

Spindle setting: bottom / top saw - bottom saw - vertical cutter - 2 x universal spindle (saw / cutter)  
(depending on no. of spindles, other settings possible)

Double bottom feed chain (sliding or rolling) with 192 (200) PUR coated plates

Pneumatic top pressures systems (belts) with individual drive and free-run.

Width of parquet blocks: 65 (56) - 250 (optional up to 400) mm (min. width depending on profile)

Thickness of parquet: 6 - 30 mm (depending on tooling)

Length of parquet blocks: 350 - 1200 mm (optional from 250 up to 6000 mm)

Feed speed (adjustable): 20 - 100 (120) (rolling chains); 10 - 60 m/min. (sliding chains)

Dust exhaust (air speed 35 m/sec.): 3,5 m<sup>3</sup> / sec. (DUO 6 F)

Pressurized air (6 bar): approxim. 200 NL/min.

Total electr. Power: min. 35 kW (depending on version up to 85 kW)

## Motors (DUO 6/12 F):

4 pcs. 4,4 kW, 6.000 - 9.000 rpm for the saw spindles (on request up to 11 kW)

2 pcs. 4,4 kW, 6.000 - 9.000 rpm for the cutter spindles (on request up to 8,5 kW)

DUO 8/12 F plus 2 x 4,4 kW or 6,6 / 8,5 kW for the 2 additional universal spindles

DUO 11/12 F plus 4 x 4,4 kW or 6,6 / 8,5 kW for the additional saw spindles

DUO 12/12 F plus 6 x 4,4 kW or 6,6 / 8,5 kW for the additional universal spindles

Feed drive: 5,5 kW (optional 7,5 kW); 1500 rpm

## Spindle-speed (standard setting):

Saw spindles: 7.500 rpm (adjustable up to 9.000 rpm)

Cutter spindles: 6.000 rpm (adjustable up to 9.000 rpm)

Tooling: 220 - 250 mm Diameter on 40 mm hydro-shafts with hexagonal fixing (or HSK 63m)

Weight: approxim. 5500 kg (DUO 6 F, other versions up to 9.000 kg)

Dimensions (L x W x H): approxim. 4500 x 2000 x 2100 mm (plus infeed system)

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