

MARTIN



ONLY SELECT WIDTH AND HEIGHT
(as you use a calculator)
THE T 90 DOES THE REST

FOUR-SIDE PLANER T 90

THE MOST IMPORTANT DATA (FOR QUICK INFORMATION)

Standard equipment:

- Planing width max. 260 mm, min. 22 mm
- Planing height max. 160 mm, min. 6 mm
- Advanced digital control with pre-selectable dimensions of workpiece ①
- Simple operation under guidance of computer control
- All cutter blocks in patented TERSA execution
- High surface finish by exact cutter adjustment
- Extremely short time of cutter changing – 5 minutes for all four heads together
- Automatic lubrication ⑧ of machine table (patent applicated)

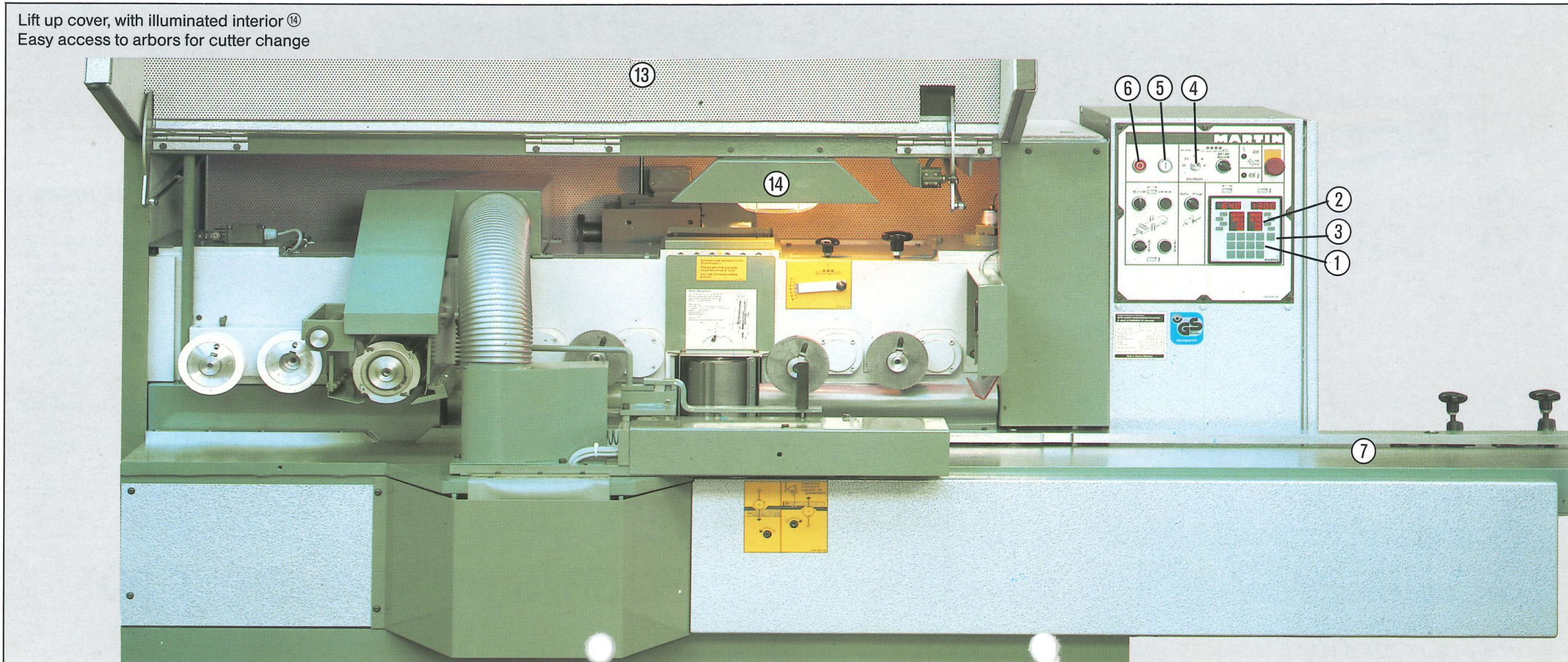
- Automatic star-delta start of cutter blocks by push-button ⑤
- Automatic brake of cutter blocks by push-button ⑥
- Infinitely variable feed speed from 4 to 25 m/min. ④
- Automatic stop of feed unit in the event of oversized workpieces
- Feed drive with automatic brake
- Pneumatic pressure control of feed rollers with centralized pressure adjustment ⑩ (page 4)
- Pneumatic pressure control of first infeed roller ⑪ separately adjustable
- Safety lock during automatic positioning of cutter blocks against collision with feed rollers (patent applicated).
- Contact for control of dust extraction

Special equipment:

- T 901 Table extension infeed 1 m
- T 902 Table extension outfeed 0,8 m
- T 905 Mobile spindle (random device) for four-side planing of boards of the same thickness but different widths ⑫
- T 907 Pressure element at first cutterblock
- T 908 Pressure element at second cutterblock

Additional special equipments see price list

Lift up cover, with illuminated interior ⑬
Easy access to arbors for cutter change



DETAILS OF MACHINE

Precise angle and clean planing surfaces by:

- Heavy duty rigid machine frame
- vibration-free running arbors (play-free bearings of arbors with large distance of ball-bearings)
- quality of the TERSA cutter arbor system (exact and quick cutter setting)
- jointing cutter ⑧ for precise workpiece guidance
- infeed table ⑦, 2 m long as support for long and curved workpieces.

Extremely simple operation of the machine:

- Push button selection of required planing width and height ①, that's all (operation as simple as operation of a calculator) All the rest is done by the T 90
- 8 workpiece dimensions are illuminated continuously ② (= 4 pairs of dimensions) 200 workpiece dimensions can be stored and recalled on request ③ (= 100 pairs of dimensions)

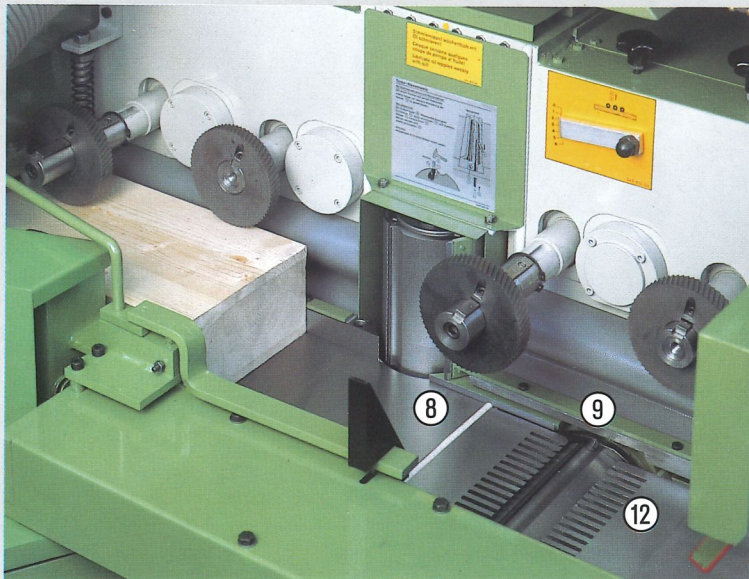
- Cutter changing in a few seconds by the TERSA system (reversible cutters).
Cutter changing without screws and spanners, automatic fixing of cutters by centrifugal forces, perfect cutter adjustment. No grinding of cutters.
- One push button ⑤ for automatic star-delta start of all arbors
- Infinitely variable feed speed ④ with automatic feed stop in the event of oversized workpieces.
- Machine protected against infeed of oversized workpieces.
- One-hand operation for adjustment of infeed table ⑩ and jointing fence ⑪ max. 10 mm.

Observation of all safety regulations, reduces the risk of accidents considerably. The T 90 works very noiseless.

- Closed machine frame.
- All operating elements in easy and visual range of the operator.
- Noise damping machine covers
- Toothed table lips at the surfacing arbor ⑫

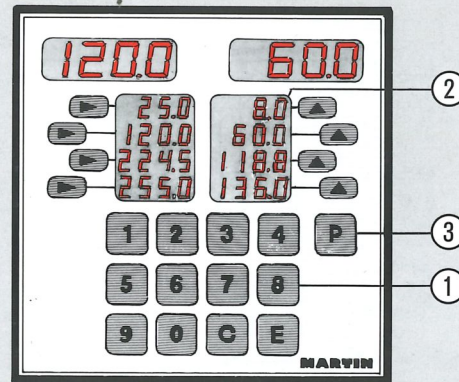
Less maintenance, centralised dust extraction:

- With automatic table lubrication ⑥, avoids resin build up on the table surface, wood glides easier.
- Integrated chip extraction by large sized extraction chutes. No disturbing tubes. Only one extractor duct on the reverse of the machine for connection to the dust extraction system.
- Easy access by completely swinging-up front cover ⑬, interior illuminated ⑭
- Centralised lubrication
- Only small floor space required (see technical data)
- Wood deposit area ⑮ with scratch-free textile coating.

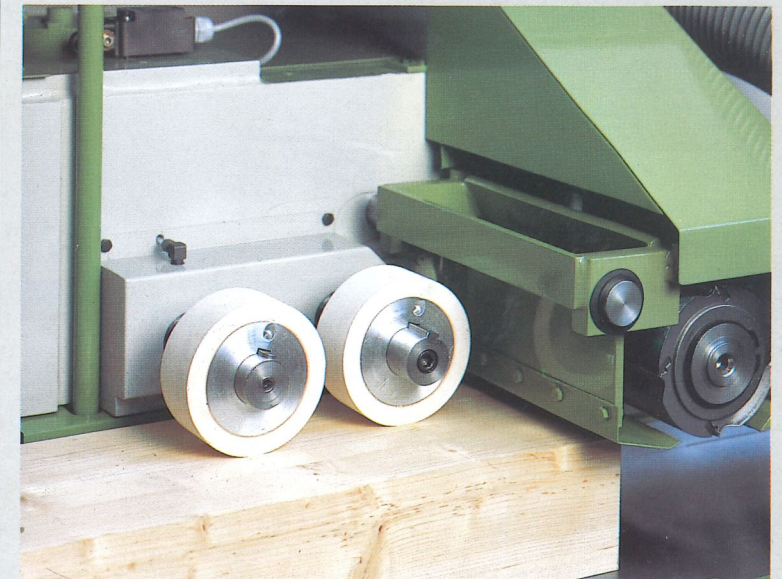
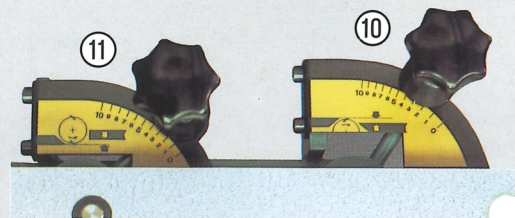


Infeed with surfacing arbor and jointing cutter.
Infinitely variable feed with grooved steel rollers.

LED-display for planing width and height.



Easy one-hand operation of fence and infeed table.



Outfeed with thickening arbor and rubber feed rollers.

TECHNICAL DATA, SPECIAL EQUIPMENT

Planing width	max. 260 mm, min. 22 mm
Planing height	max. 160 mm, min. 5 mm
Depth of cut per arbor	max. 10 mm
Adjustment range of infeed table and jointing fence	max. 10 mm
Min. length of workpiece	380 mm
Length of workpiece	min. 380 mm
Length of infeed table	2000 mm
Cutterhead speed	6000 rpm
Knife edge diameter of cutter blocks (4 cutters)	∅ 125 mm
Jointing cutter	∅ 145 mm
Motor rating of horizontal arbors	2 x 5,5 KW (2 x 7,5 HP)
Motor rating of vertical arbors (2 pieces)	5,5 KW (7,5 HP)
Feed rate infinitely variable	4 – 25 m/min.
Motor rating of feed	1,5 KW (2 HP)
Feed rollers: 4 steel rollers spiral grooved	width 20 mm ∅ 120 mm
2 rubber rollers	width 50 mm ∅ 120 mm
Exhaust connection diam.	250 mm
Min. extraction capacity	about 60 m ³ /min. at 100 mm water column
Weight of machine	2400 kg

Noise values:

Emission value at the operator's position according to DIN 45635, dB (A)	cutterblocks with		2-knives	4-knives
	infeed ①	idling	70,4	70,9
discharge ②	in operation		77,4	79,4
	idling		71,4	71,5
	in operation		76,2	77,6

Dust emission:

Dust emission value at operator's position:
0,45 mg/m³ air

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- Electrical equipment in accordance with VDE specifications
- Every purchaser of a MARTIN machine can expect generous interpretation of the guarantee conditions and a highly effective after-sales service organization.

Special accessories:

- T 905 Mobile spindle (= random device) for four-side planing of boards having same thickness but different width ⑩
Machine scans width of the fed board and the left vertical arbor quickly adjusts to the correct planing width.

