

Edge banding machine KAL 210/7/A20/S2



Edge ahead with HOMAG



KAL 210/7/A20/S2: The new standard in edge banding

Does the sound of low investment plus high profit appeal to you? Nothing could be easier. It is to fulfil just this remit that we have launched the new KAL 210/7/A20/S2. By pursuing a consistent strategy of standardization and efficient series production, we are able to offer this machine with an unimaginably low price tag. Without compromising the superb standard of quality and impressive performance you have every right to expect from a HOMAG machine. There has never been a better time to step into the world of edge banding. Thanks to the 210/7/A20/S2 from HOMAG – impressive performance at an impressively low price.

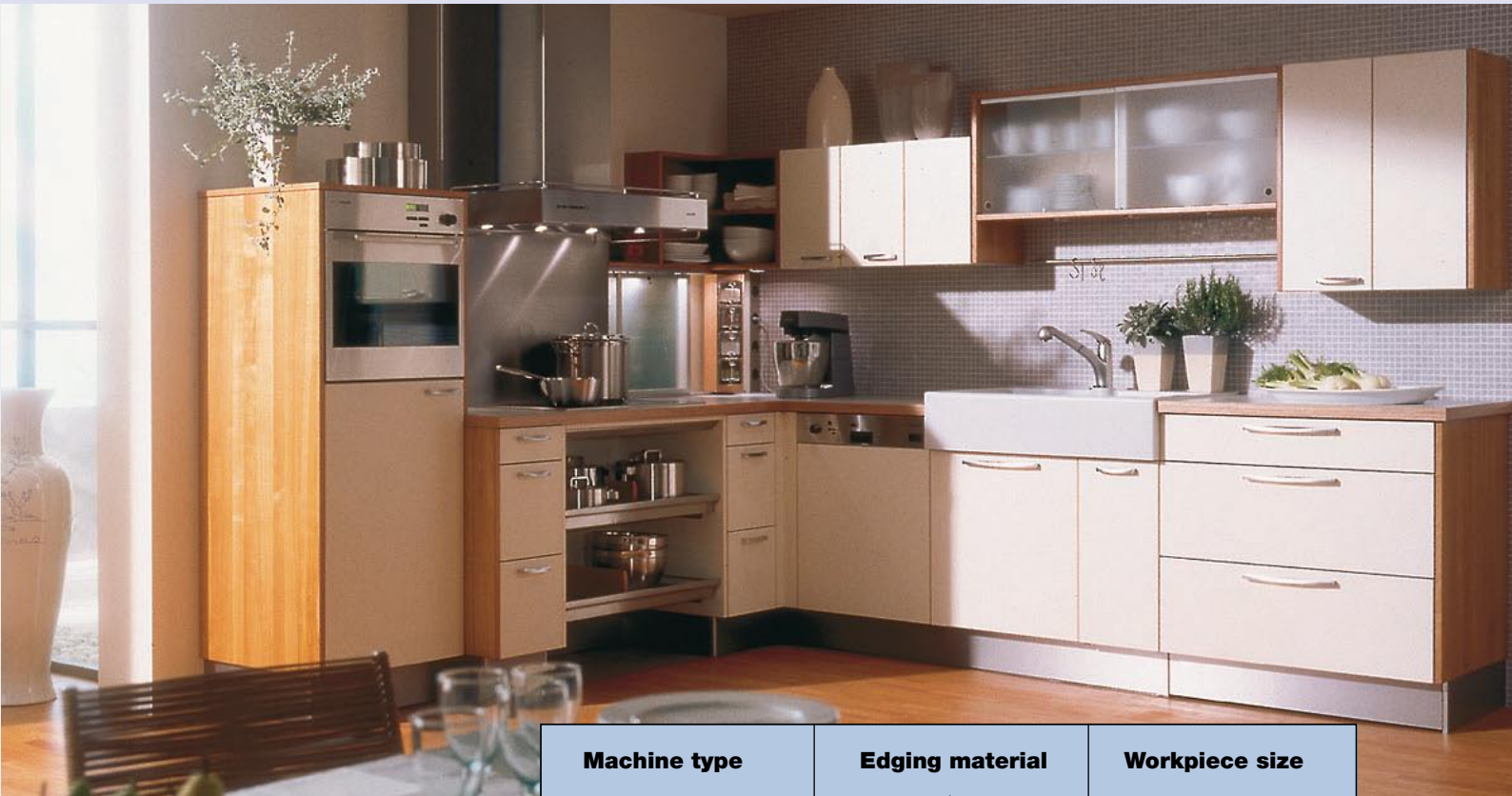


Practically orientated equipment

A uniform, practically based standard equipment was created for all the machines of the series. The performance and functional scope of the KAL 210/7/A20/S2 have been precisely tailored to match the needs of small-scale industrial producers. The outcome: A machine which even in its basic version addresses more than 90% of all conceivable applications. And the KAL 210/7/A20/S2 is also designed with the capacity for simple automation if required.

Top quality technology all-in

In terms of its technical equipment, no corners have been cut in the design of the KAL 210/7/A20/S2 series. Quite the opposite. These machines have benefited from the inclusion of know-how which has stood the test of time in our high-performance machine ranges. Which means that the KAL 210/7/A20/S2 can be used efficiently to process practically any type of edge material – making you more efficient and flexible. And you will benefit from same high standard of HOMAG quality and reliability that you would expect to find in any of our machines: Our quality standards apply equally right across all our machine ranges.



One series for wide-ranging materials

The new KAL 210/7/A20/S2 allows you to process a wide range of different coil materials, including melamine, PVC, ABS and veneer edges. It also permits the banding of solid wood edges onto panels and doors. Hot-melt glue is used for banding.

Machine type	Edging material		Workpiece size
KAL 210/7/A20/S2	Solid wood	Coils	With a workpiece thickness of 22/40 (0.866"/1.575"), the workpiece width is at least 60/105 (2.362"/4.134")
	0,6-20 (0.024"- 0.787")	0.3-3.0 (0.012"-0.118")	
			min./max. 12/40 (0.472"/1.575")**

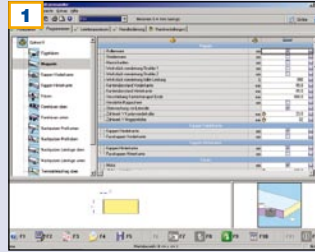
Dimensions in mm

* optionally 65 (2.559")

** optionally 60 (2.362")

KAL 210/7/A20/S2 – everything comes as standard

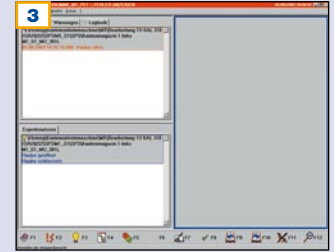
The KAL 210/7/A20/S2 offers an impressive and highly extensive equipment outfit of the kind previously reserved to substantially more expensive machines. A highly economical complete solution capable of processing practically every conceivable type of coil material without stretching your budget.



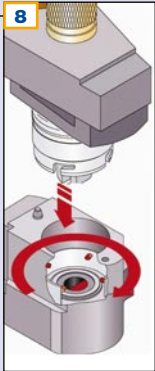
1
power control system PC22
Extremely user friendly due to menu prompting in Windows XP standard for ergonomic machine operation.



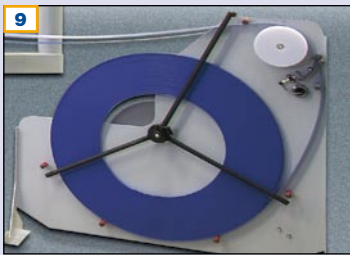
2
USB port
For data input or data backup to an external memory. This allows the complete data set to be downloaded from the machine's control system and safely stored. The 1:1 data backup facility ensures that the system is immediately back up and running after an interruption.



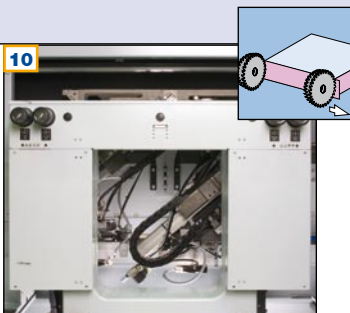
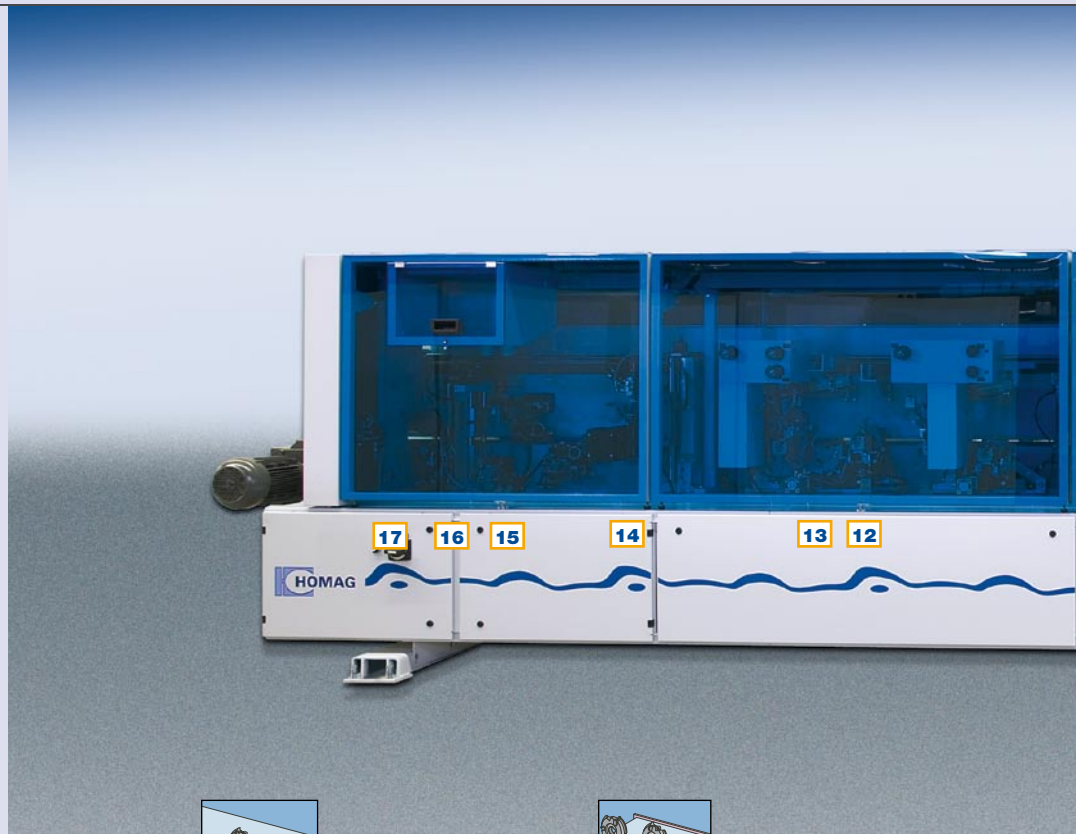
3
Diagnostic system woodScout Basic
With plain text error messages for systematic troubleshooting and enhanced machine availability.



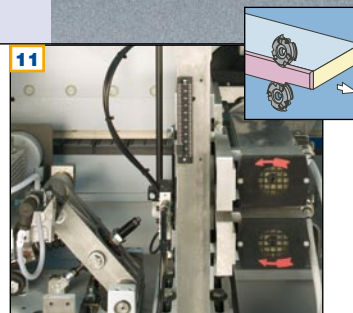
8
Quick-change device for application unit
This permits high-speed application unit changeover and continued production with a different hot-melt glue colour or PU.



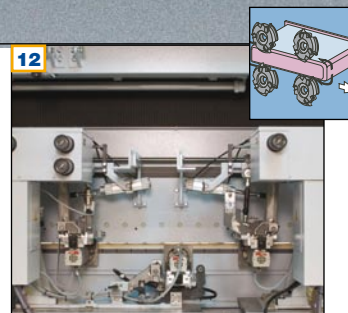
9
2-coil magazine
Permits fast, trouble-free changeover of the edging material and storage at the machine.



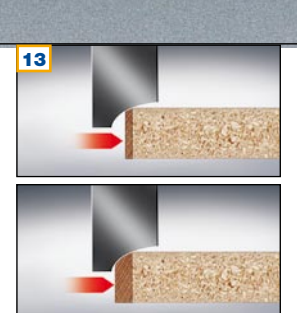
10
Snipping unit HL84
For snipping overhanging edges at the leading or trailing workpiece edge with stationary snipping action to protect even sensitive workpieces from damage.



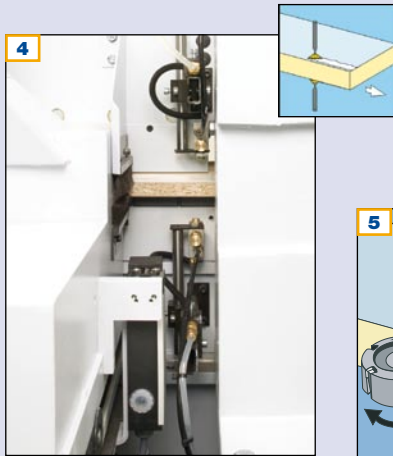
11
Rough trimming unit 1.5 kW
For rough trimming of PVC edging material on the upper and lower side of the workpiece, and for trimming solid mouldings.



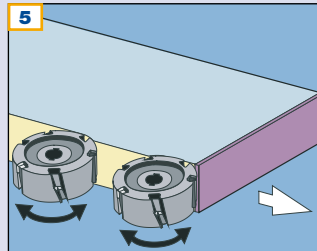
12
Profile trimming unit FF12
For trimming edging material on the upper and lower side of the workpiece and for rounding leading and trailing workpiece edges with a 15° chamfer or radius. One unit to perform two processing steps.



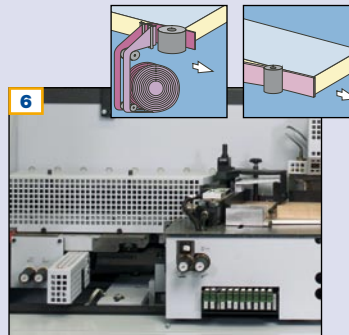
13
Chamfer/radius adjustment
Manual adjustment of the trimming units for simple changeover from chamfer to radius or vice versa.



4 Separating agent spray unit
Prevents hot melt glue residues adhering to the upper and lower surface of the workpiece. Your benefit: no more manual finishing work.

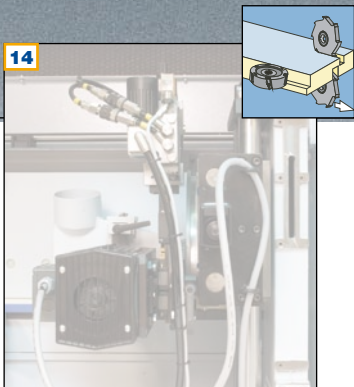
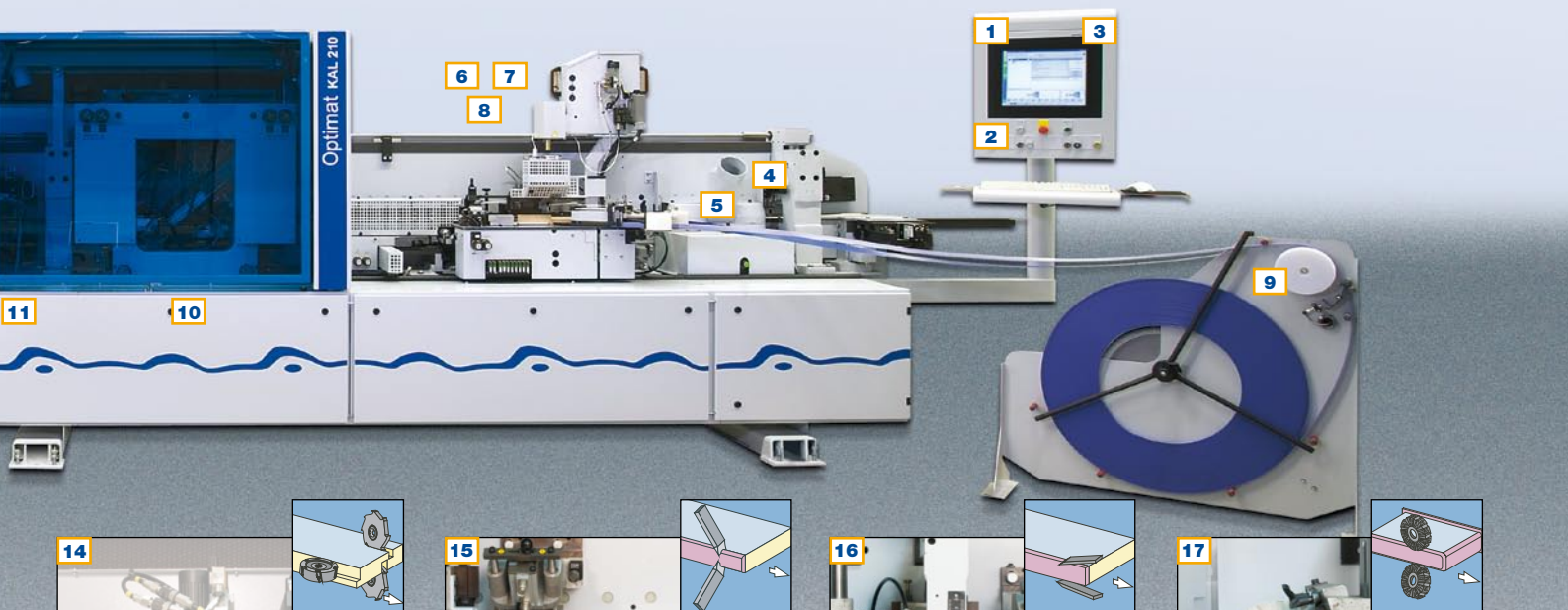


5 Jointing trimming
For splinter-free trimming of the workpiece edge with two jumping motors. Tool diameter 125 mm. For a high standard of processing precision and an above-average tool service life.

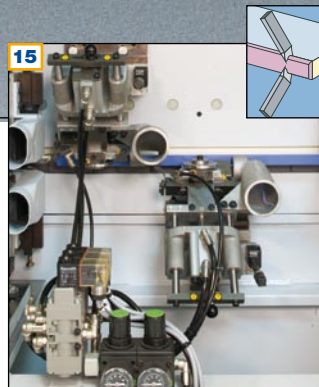


6 Hot-melt gluing unit A20 with Quickmelt
For optimum glue application on the narrow surface. Workpiece thickness changes are possible without resetting the glue application roller.

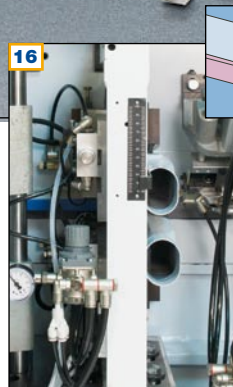
7 Glue roller lift-off
In case of a feed stop. This eliminates the scrap which can be produced by even a minor feed stop, and allows every individual part to be used – which can make a positive impact on production economy.



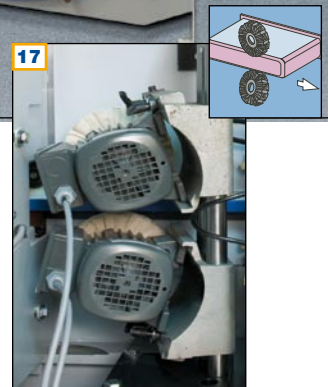
14 Free space
For equipping the machine with a universal trimming unit UF 11. This can also be retrofitted if required.



15 Profile scraper blade PN10
For smoothing edges on the top and bottom workpiece face. Benefits: better appearance, better edge design, better quality. Inclusive of special blade to prevent crazing.



16 Glue joint scraper blade
For removing hot melt glue residues from the top and bottom face of the workpiece. For optimum finish quality.



17 Buffing unit
Imparts a gripping surface to the workpiece and gives ready-to-assemble components their last „polish“ prior to dispatch.

Automation on demand

To maximize the flexibility of your producing operations, the KAL 210/7/A20/S2 functions can be practically totally automated. The individual components of the automation package are precisely coordinated to the machine to simplify operation when changing the workpiece or edge material thickness, ensuring a consistently high standard of quality and reducing setting times by 50 %.

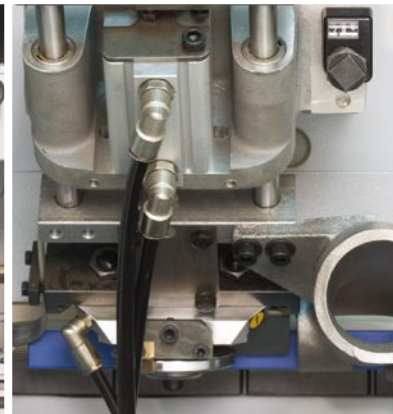
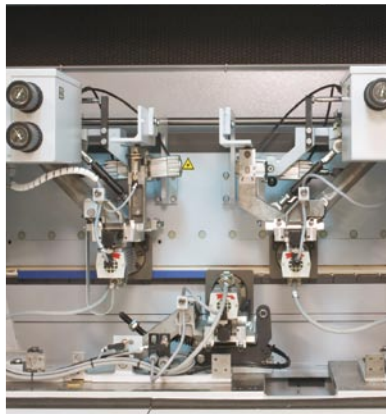
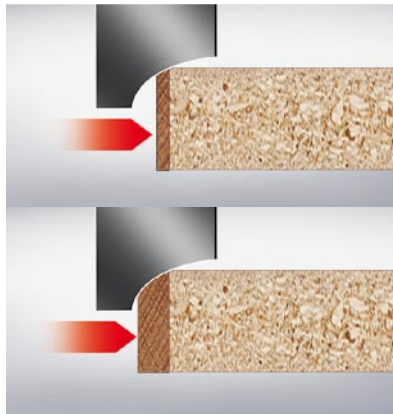
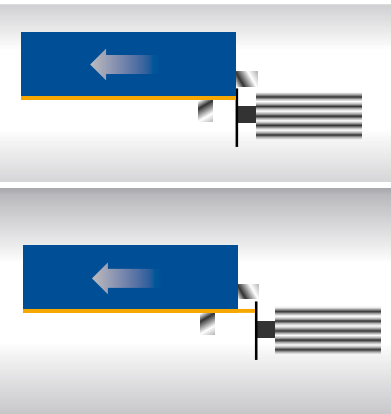
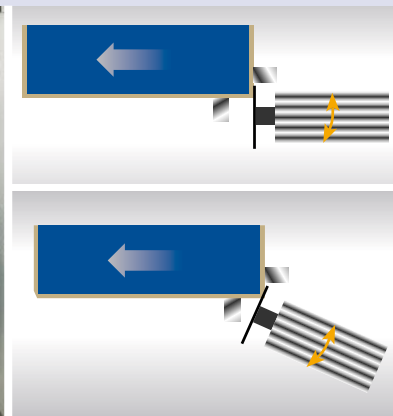
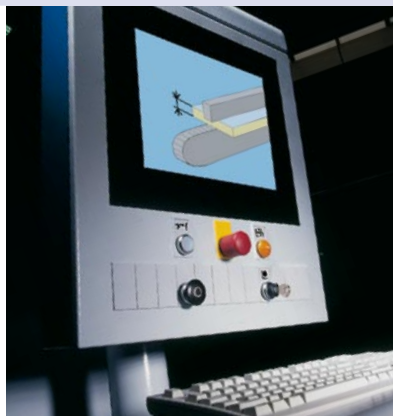
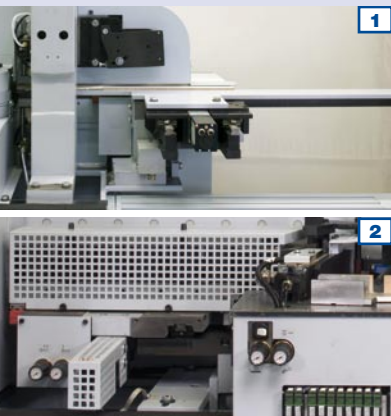
1. Automatic program-controlled adjustment of the infeed stop fence

2. Automatic program-controlled adjustment of the pressure zone to the respective edge thickness

Electronic program-controlled height adjustment to the relevant workpiece thickness

Automatic program-controlled adjustment of trimming operations with/without edge overhang: Trimming without overhang for flush trimming of e.g. solid mouldings; trimming with overhang as rough trimming with subsequent profiling using the FF12

Automatic chamfer/straight adjustment for automatic program-controlled adjustment of the straight/chamfer snipping motor



Automatic flush/overhang snipping adjustment for fast changeover between flush snipping of solid wood edges or inlay floors and snipping with overhang (for finish trimming using profile trimming unit)

Automatic chamfer/radius adjustment

Profile trimming unit FF12 (automatic instead of manual) for automatic program-controlled chamfer/radius adjustment

Pneumatic horizontal lift-off for PN10/FA11

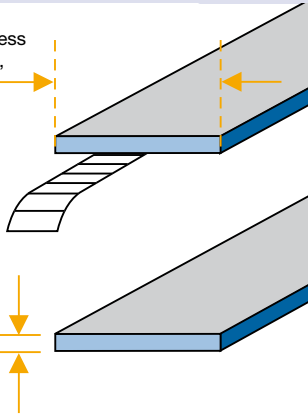
Optional extras

For all those looking for even higher output and more processing scope, we offer a range of innovative extras. These can also be simply retrofitted at a later stage, or adjusted to new or changing requirements. For maximum flexibility and optimum future proof production.

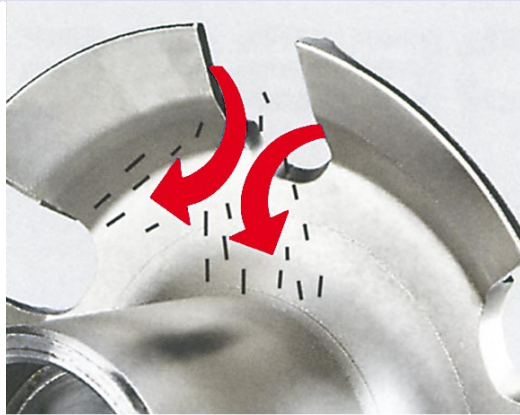
Workpiece thickness WD 60 instead of WD 40, ideal for workpieces such as lightweight panels

I-System diamond radius trimming tool

For workpiece thickness 22/40 (0.866"/1.575"), the workpiece width is at least 60/105 (2.362"/4.134")

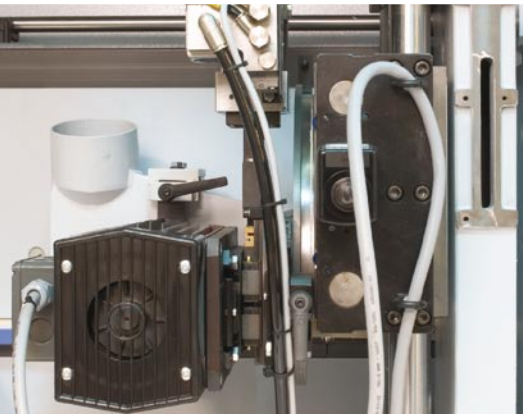


min./max. 12/40 (0.472"/1.575").
Optionally 60 (2.362")



Scissor support

The scissor support can be mounted instead of the standard workpiece support. This allows variable reduction of the machine's space requirement when no large workpieces are being processed, making more passage space temporarily available.



Universal trimming unit UF 11 on free space for grooving, rebate trimming and profiling



Increase of the cooling output for ambient temperatures above 40°C to ensure optimum protection of the electronic system. Ensures reliable, trouble-free production even under extreme climatic conditions



A remote control facility for single-sided machines permits fast set-up

Specifications KAL 210/7/A20/S2

Machine dimensions

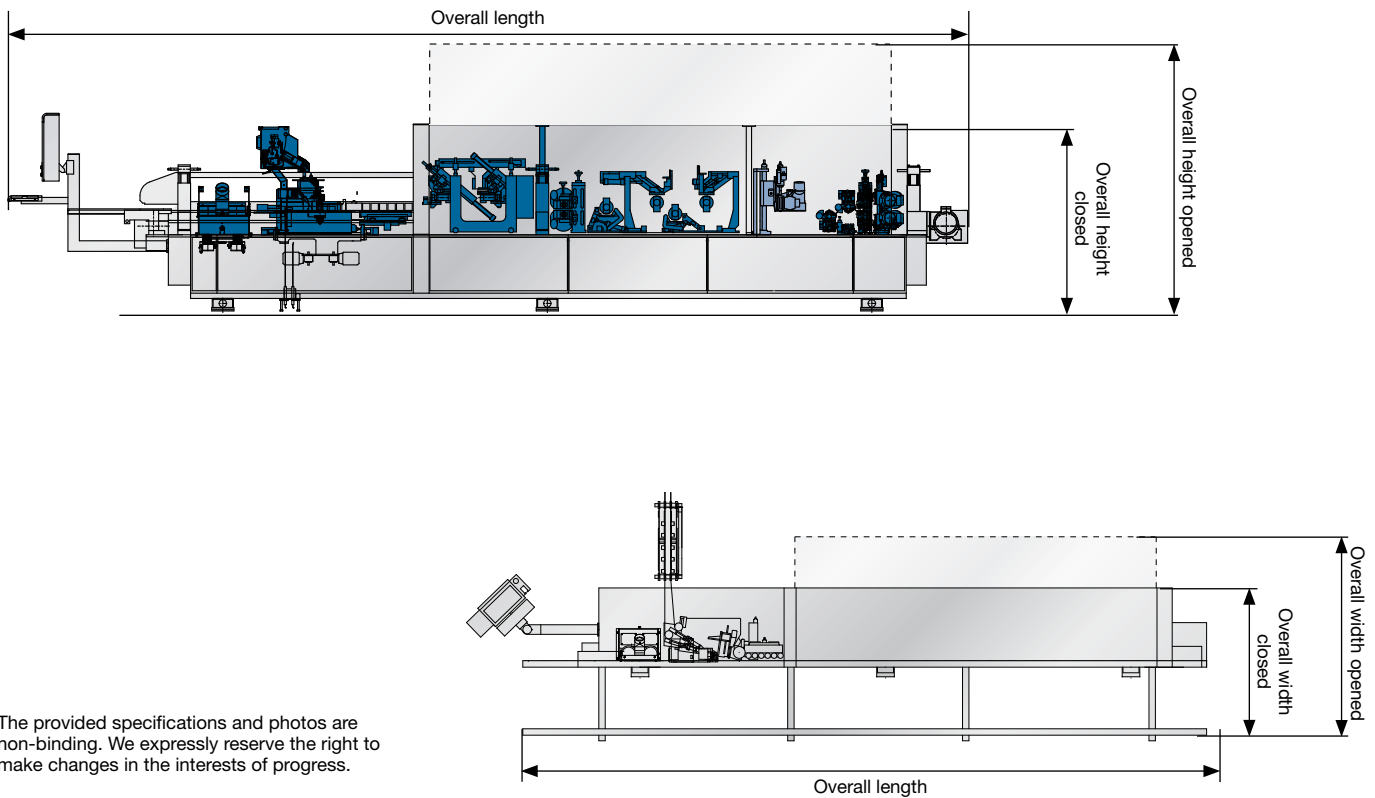
- Overall length [mm]	8545 (336.41")
- Noise protection cover [mm]	
Overall width closed / opened	910/2100 (35.827"/82.677")
Overall height closed / opened	1740/2280 (68.503"/89.763")
Working height [mm]	950 (37.401")

Working dimensions

- Workpiece width [mm]		
With workpiece thickness 22 (0.866") min.	60 (2.362")	
With workpiece thickness 40 (1.575") min.	105 (4.134")	
- Workpiece thickness [mm]	min.	12 (0.472")
	max.	40 (1.575")
	(optionally 60)	(2.362")
- Edge thickness coils [mm]	max.	3.0 (0.118")
- Edge-thick mouldings [mm]	max.	20 (0.787")
- Fixed workpiece overhang [mm]		30 (1.181")

Miscellaneous

- Feed adjustable	18-25 m/min. (82.021 ft.p.m.)
-------------------	-------------------------------



The provided specifications and photos are non-binding. We expressly reserve the right to make changes in the interests of progress.

A member of the HOMAG Group



HOMAG Holzbearbeitungssysteme AG

Homagstraße 3-5
 72296 SCHOPFLOCH
 GERMANY
 Tel.: +49 7443 13-0
 Fax: +49 7443 13-2300
 E-Mail: info@homag.de
 Internet: www.homag.com