



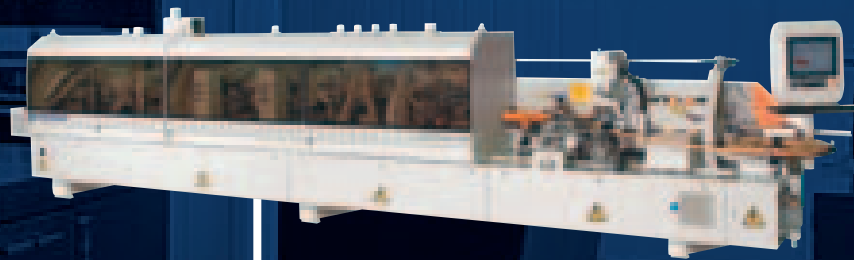
SOLUTION HD

NC single-sided edgebanders

OUR TECHNOLOGY BEHIND YOUR IDEAS

SOLUTION HD

Fully automatic single-sided edgebander



4 PANEL SIDES EDGEBANDING

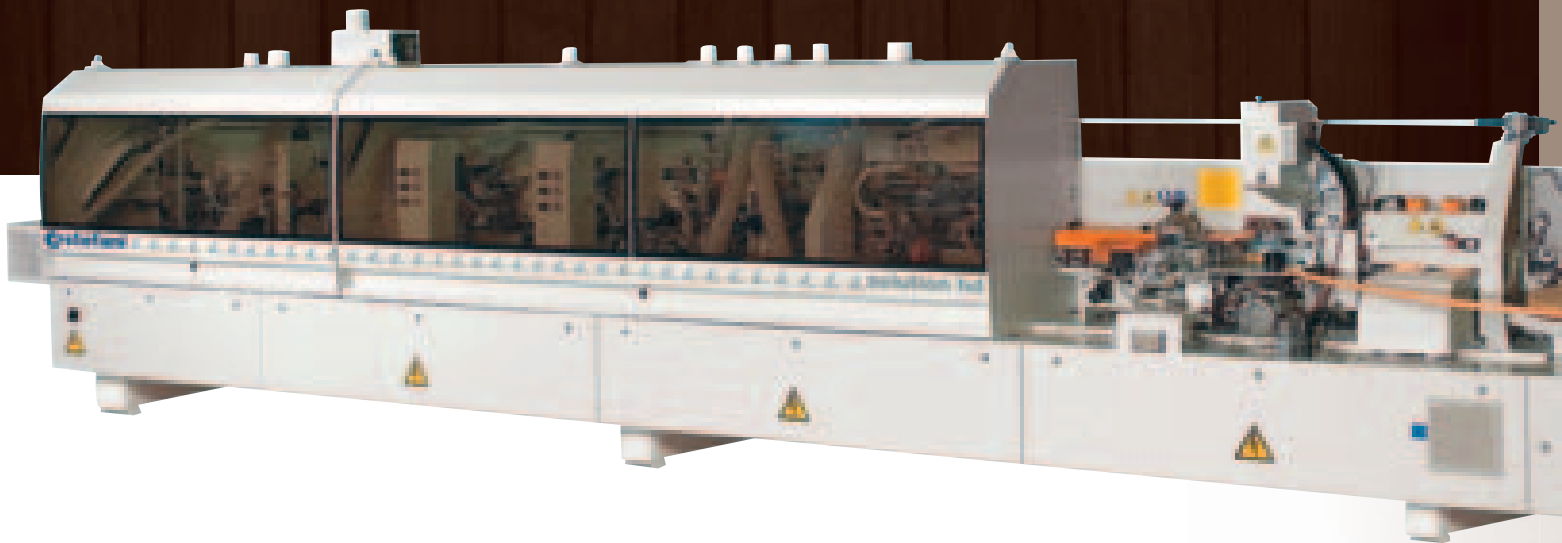
SAWING

4 PANEL SIDES EDGEBANDING

BORING/WORKING CENTRE

SOLUTION HD

FOR AN INTENSIVE
AND PROFESSIONAL USE



NC single-sided edgebander



STEFANI industrial
Quality and Performance
without compromises.



Production costs for
individual panels are
reduced and under control.

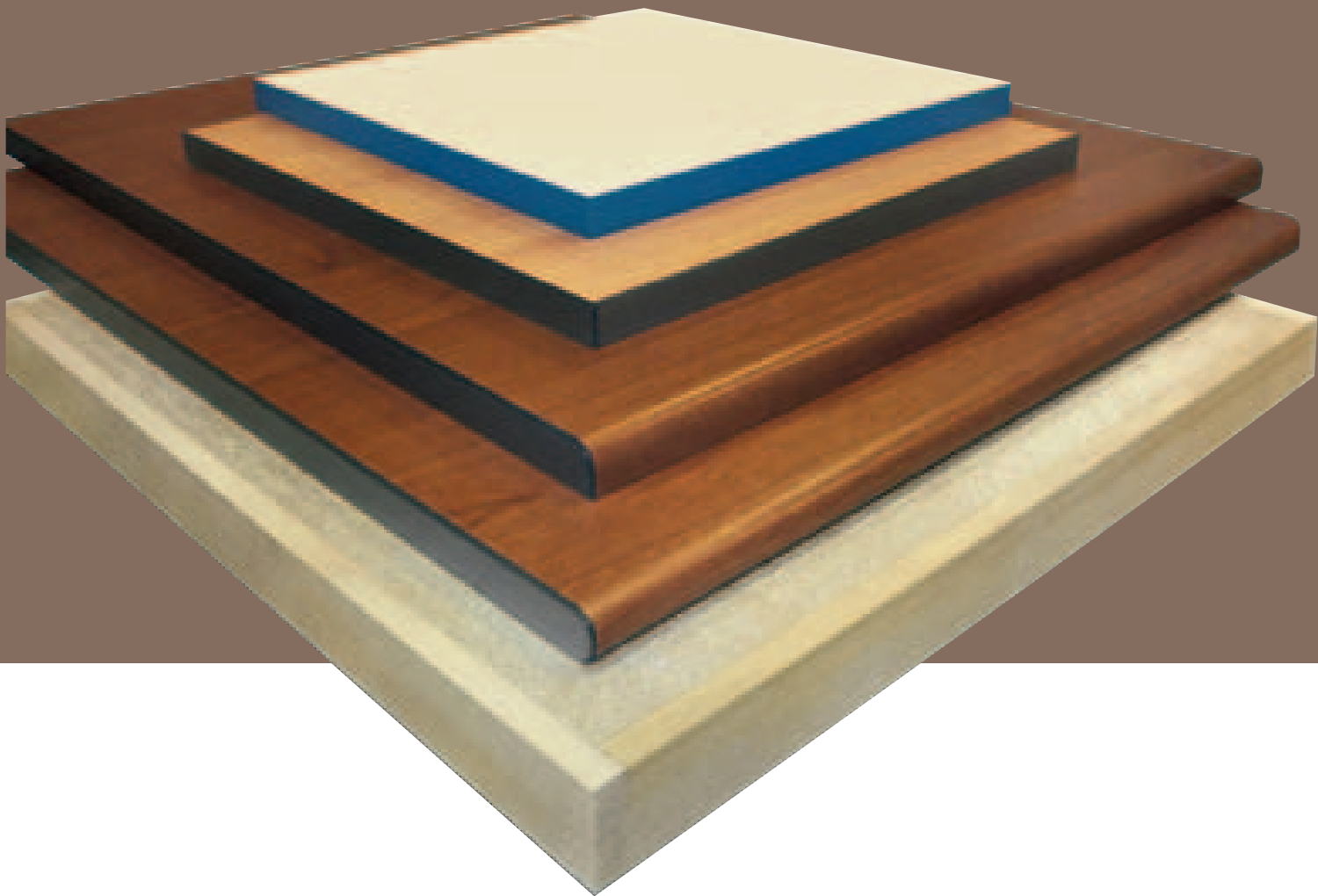


Ergonomics and
safeguarding of resources.
A technological reference
point.



SOLUTION HD

FOR AN INTENSIVE AND
PROFESSIONAL USE

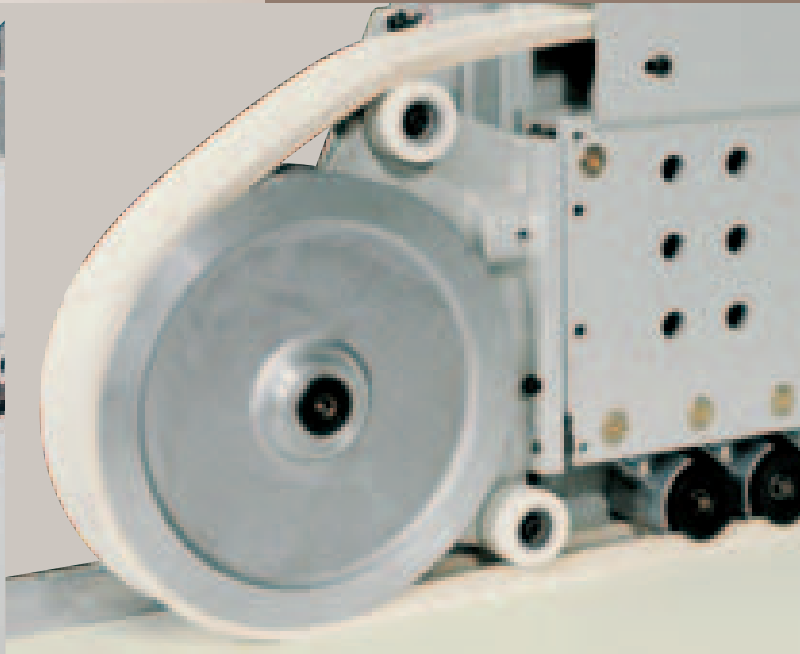
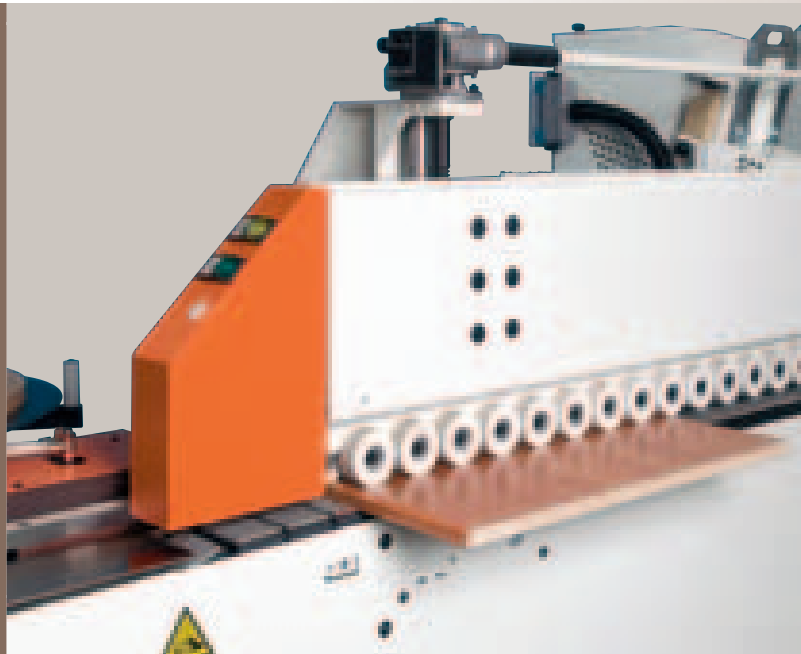


EFFICIENT PRODUCTION

Solution HD distinguishes as industrial edgebander. In fact, the heavy machine frame and the working units of industrial range, allow an intensive and professional use with enduring precision and reliability guarantee. The reachable working speed allows high productivity with a possible infeed speed from 12 to 30 m/min. Equipped with PC Office, SOLUTIONI HD ensures the maximum NC management, reducing to the minimum manual set-up and making production profitable.

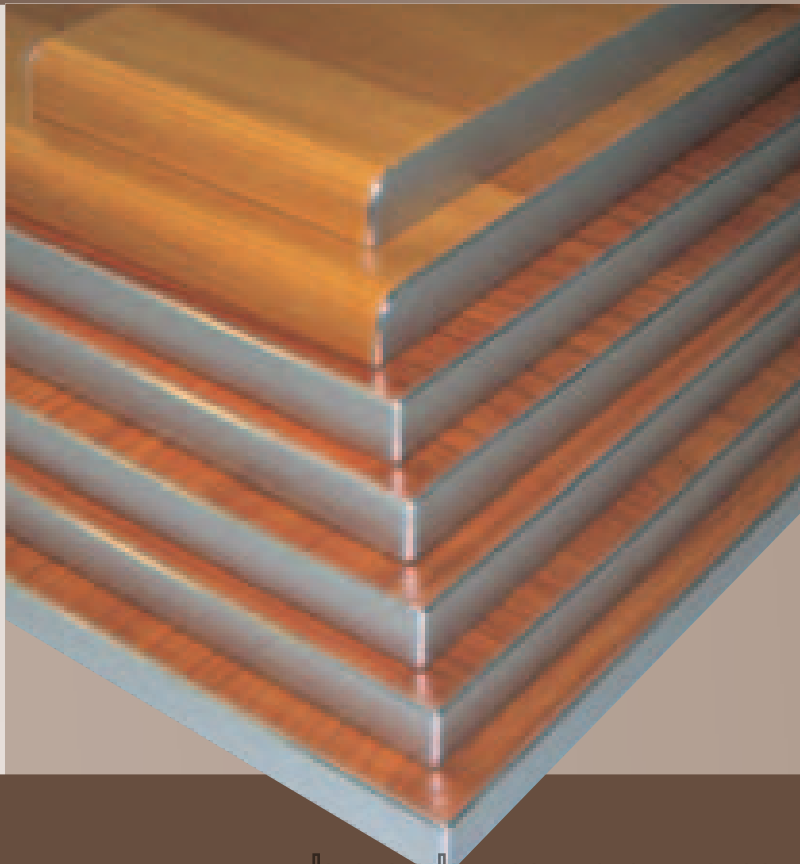
UNIVERSAL EDGEBANDING

Solution HD can apply thin melamine edging, plastic PVC, ABS edging, aluminium edging, ready-cut veneer strips and solid wood strips with the maximum quality and without splinters.



Steel top pressure beam with idle wheels or large belt

Aluminium edges processing



EPP

STEFANI SOLUTIONS TO IMPROVE THE QUALITY OF YOUR PRODUCTION

ECO POWER PACK: A REAL SAVING POTENTIAL

SOLUTION HD is equipped with **EPP – ECO POWER PACK**, which allows a notable saving of power and material.

► **ED-SYSTEM suction system:**

effective chip and dust evacuation is ensured, with lower power consumption and improved cleaning of working units and machine.

► **OPTI-CUT device:** precision edge feeding and rear cut to reduce waste generation to a minimum for significant advantages of edge saving.

► If the machine is not in use, the track feeding automatically goes on stand-by and the glue pot temperature drops.

► Possibility of separated management of suction hoods to reduce consumptions up to 65%.

MULTIEDGE: DYNAMIC WORKING PROCESS CHANGE

To automatically change between 2 radiuses and infinite thin edges, without tool change. Available on fine trimming, corner rounding and edgescraping units. Patent pending.



SOLUTION HD



X GRINDER PERFECT QUALITY BAR MACHINING

A system for grinding waste built into the extractor hoods of the edge scraper unit reduces the size of the waste when machining medium - long panels or bars (optional device, STEFANI patent pending).

NESTING EASILY WORKING WITH INTEGRATED CELLS

Availability of special feelers in trimming and fine trimming units for the edgebanding of nested panels.



EFFICIENT CHIP CUTTING AND SUCTION

The optimized ED-SYSTEM improves the chip suction's quality and performance by means of tools and suction hoods precisely designed for this purpose. By means of this technology chip is always evacuated from the panel and is always controlled. ED-SYSTEM is available on pre-milling, trimming, fine trimming and rounding units.



SOLUTION HD

STEFANI SOLUTIONS TO IMPROVE
THE QUALITY OF YOUR PRODUCTION

TOURER. PANEL RETURN DEVICE.

Solution HD can be set up with the TOURER panel return device. A single operator can perform complete panel machining directly from the edge banding machine loading zone.



INSERTION SYSTEMS Simply extending the potential of SOLUTION HD

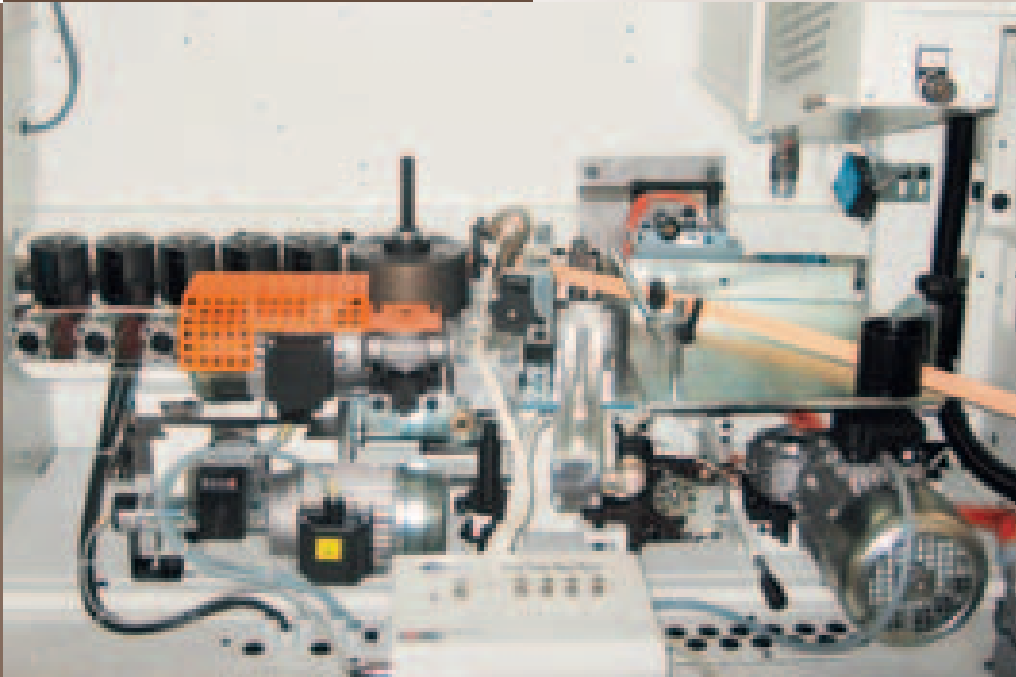


Infed system for narrow workpieces
This device can be set up, facilitating the insertion of smaller panels.

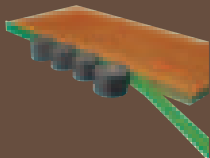


Manual infed system for large workpieces
Optional device which facilitates transversal insertion of medium/large panels. The reference guide can be tilted to allow the insertion of panels with angled sides.

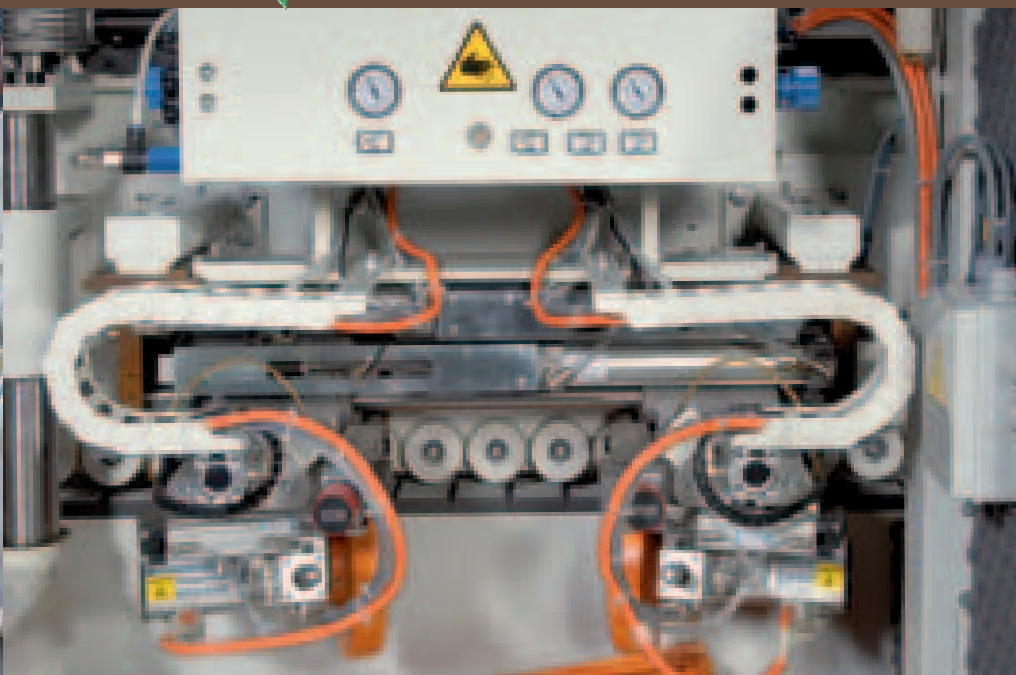
HEAVY DUTY WORKING UNITS SUPERIOR TECHNOLOGY



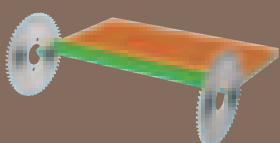
Allows high quality application of the edging in a 0.4 - 3 mm roll and in 1 - 12 mm thick strips/solid wood. Glue pot quick release for working with different types of glue. Tracer device for optimising glue dosing. NC management of the pressure roller pressure. Possibility of pre-melting device for hot-melt glue pellets with automatic drawing and easily filled in an ergonomic way. Possibility of working solid wood edging measuring up to 22 mm, aluminium edging and ready-cut strips. Possibility of NC positioning of the pressure roller. Possibility of managing PU block glue. Possibility of automatic change of the type of edging for up to 2 rolls. The change takes place at the end of a roll or when there is a change in machining.



Gluing unit



For removing excess edging at the head and tail of the panels. Possibility of using the NC to separately tilt the blades for working the head and tail of the panel independently.

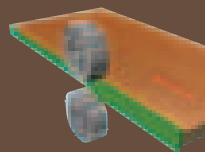
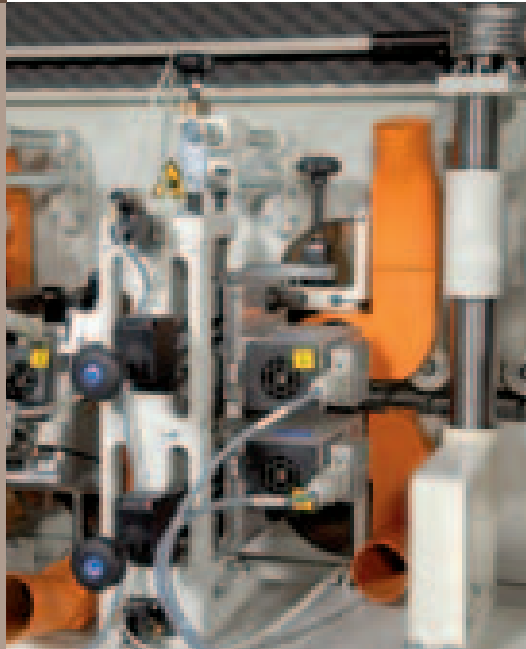


Upper end-trimming unit

SOLUTION HD

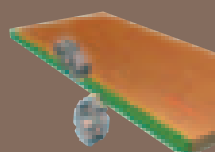
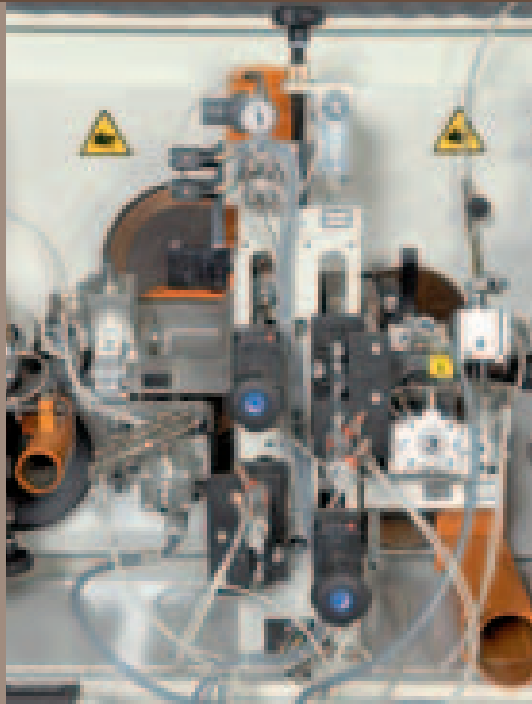
HEAVY DUTY WORKING UNITS SUPERIOR TECHNOLOGY

For the top and bottom trimming of the edge excess. Possibility of NC double automatic positioning. Availability of special feelers in trimming and fine trimming units for the edgebanding of nested panels. Optimized chip suction flow with ED-SYSTEM.



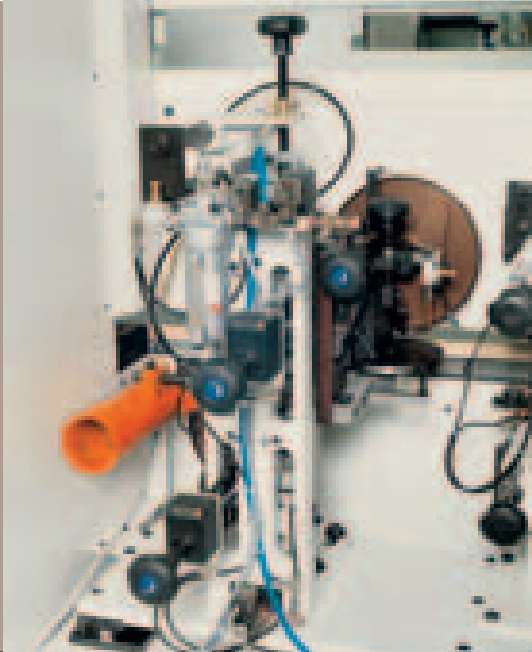
Trimming unit

To finish the top and bottom of thin edges or for trimming of the PVC/ABS edges Quick release device of the tool holder block. Possibility of NC managed side sensor to process different thicknesses or for automatic tolerance compensation. Availability of special sensors for the edgebanding of nested panels. Available in the equipment with KIT MILTIEDGE, to work automatically a melamine thin edge and two radiuses with a perfect quality. Available in the equipment with 2P KIT to work automatically a thin edge and a radius directly from NC. Available in the equipment with KIT MULTIPLA to work automatically a melamine thin edge and three radiuses with a perfect quality. Optimized chip suction flow with ED-SYSTEM.

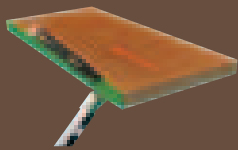


Fine trimming unit





For finishing/smoothing radiused PVC/ABS edging. Quick release device for tool taper block and tool. Availability of special tracers for edge banding panels previously machined with the nesting process. Possibility of setting up the 2P kit for working two radiused edging strips. Possibility of setting up the MULTIPLA kit for automatically working a thin melamine edging and three radiused edging strips with perfect quality. X-GRINDER waste grinding system built into the extractor hoods to reduce the size of the waste when machining medium - long panels or bars (optional device, STEFANI patent pending)



Edgescraping unit



SOLUTION HD

OPTIONAL WORKING UNITS AND DEVICES

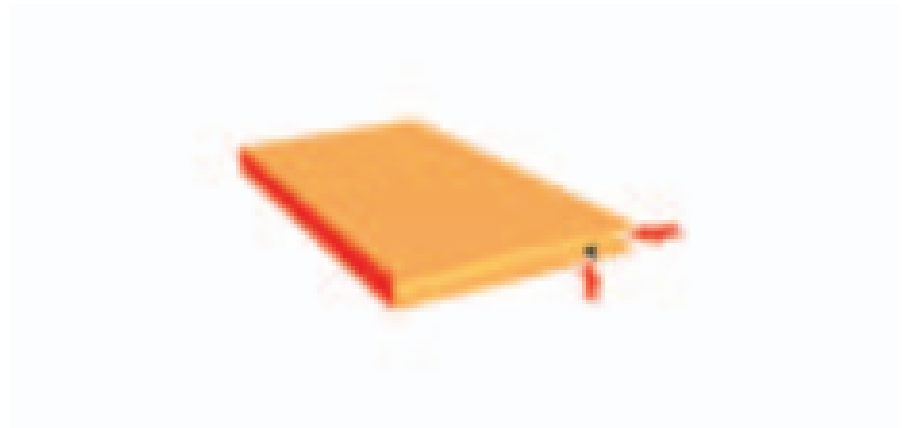
GET THE MAXIMUM ADVANTAGE FROM SOLUTION HD



- ▲ **NC upper pressure beam**
Possibility of managing the presser movement using the NC.



- ▲ **Automatic infeed system**
Possibility of managing panel insertion in an easier, automatic way.



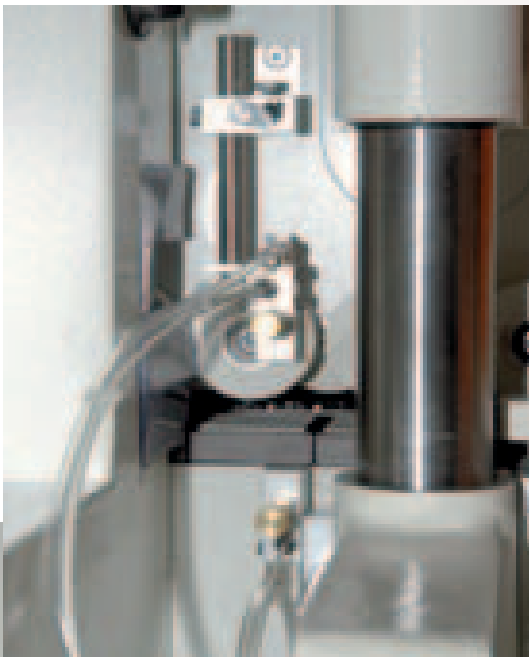
- ▶ **UX routing unit for external mortises.**
During edge banding, allows up to two timed or through-mortises to be made simultaneously on the side opposite the one being edge banded.

- ▶ **Fixed panel side support**
Replaces the standard telescopic version.

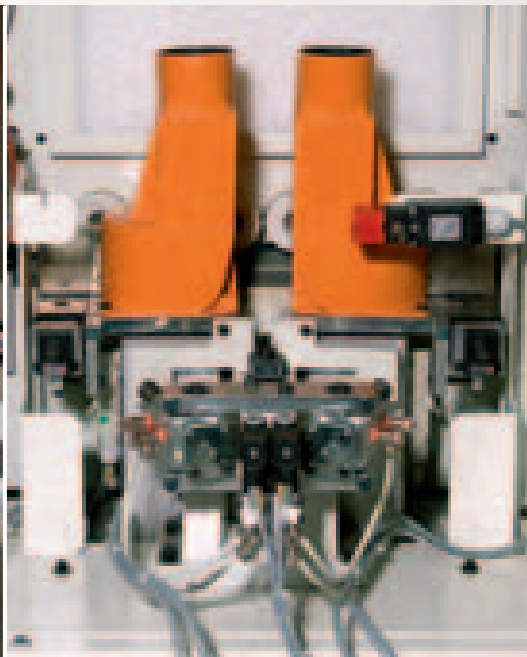


- ▶ **Infeed guide with possibility of double automatic position.** Possibility of **EASY SIZE NC** movement.



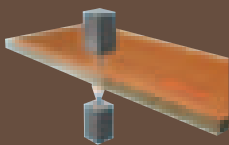


To avoid glue deposits on the top and bottom surfaces of the panel.

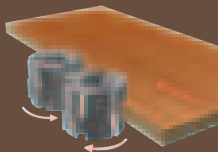


It mills the panel side to be edged ensuring an excellent gluing surface. Possibility of NC managed positioning of the first feeler. Possibility to equip the tools with HYDROLOCK technology to reduce coupling play and vibration. Optimized chip suction flow with ED-SYSTEM.

Possibility to equip the EASY SIZE device, to manage from NC material removing depending on the applying edge.



Anti-adhesive unit

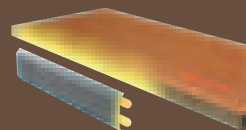


Pre-milling unit

▶ Standard telescopic panel side support



Heating panels lamps



SOLUTION HD

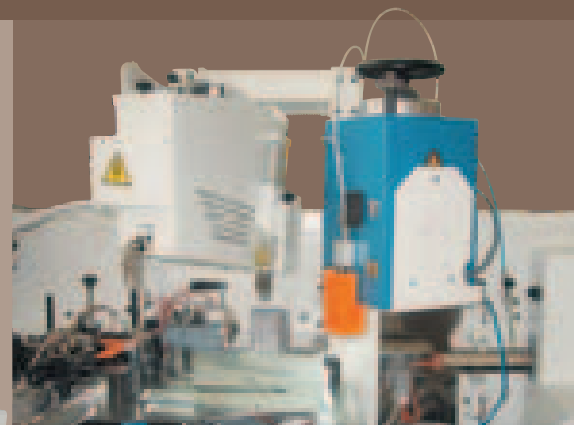
OPTIONAL WORKING UNITS AND DEVICES

GET THE MAXIMUM ADVANTAGE
FROM SOLUTION HD

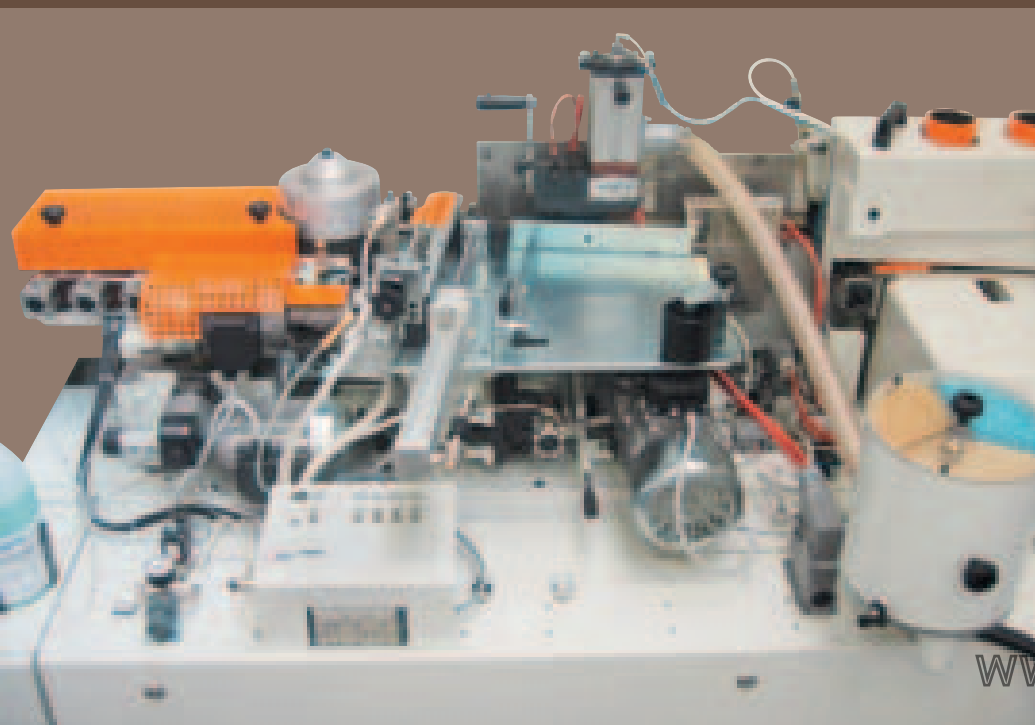
GLUE PRE-MELTING SYSTEMS
STEFANI EXPERTISE IN THE USE OF GLUE



▲ QMS pre-melting unit for hot-melt glue capacities of up to 8.5 kg/h. Possibility of pellet feeding with ground hopper.

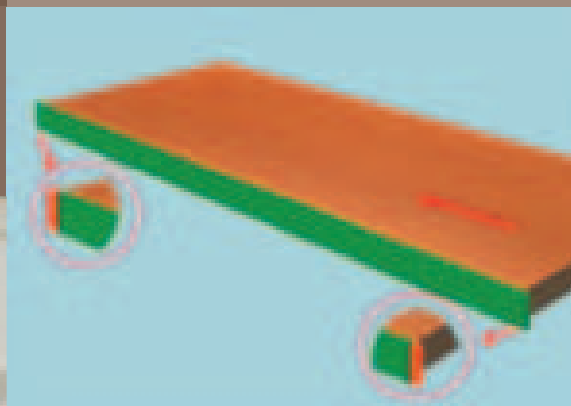


QMS pre-melting unit and unit for polyurethane block glue weighing 2 kg MC4 with melting capacity of 4 kg/h, with quick change-over device.



EASY GLUE BASIC pre-melting unit, allows manual change-overs and in just a few minutes up to 5 colours of hot-melt glue, polyurethane glue and cleaner.

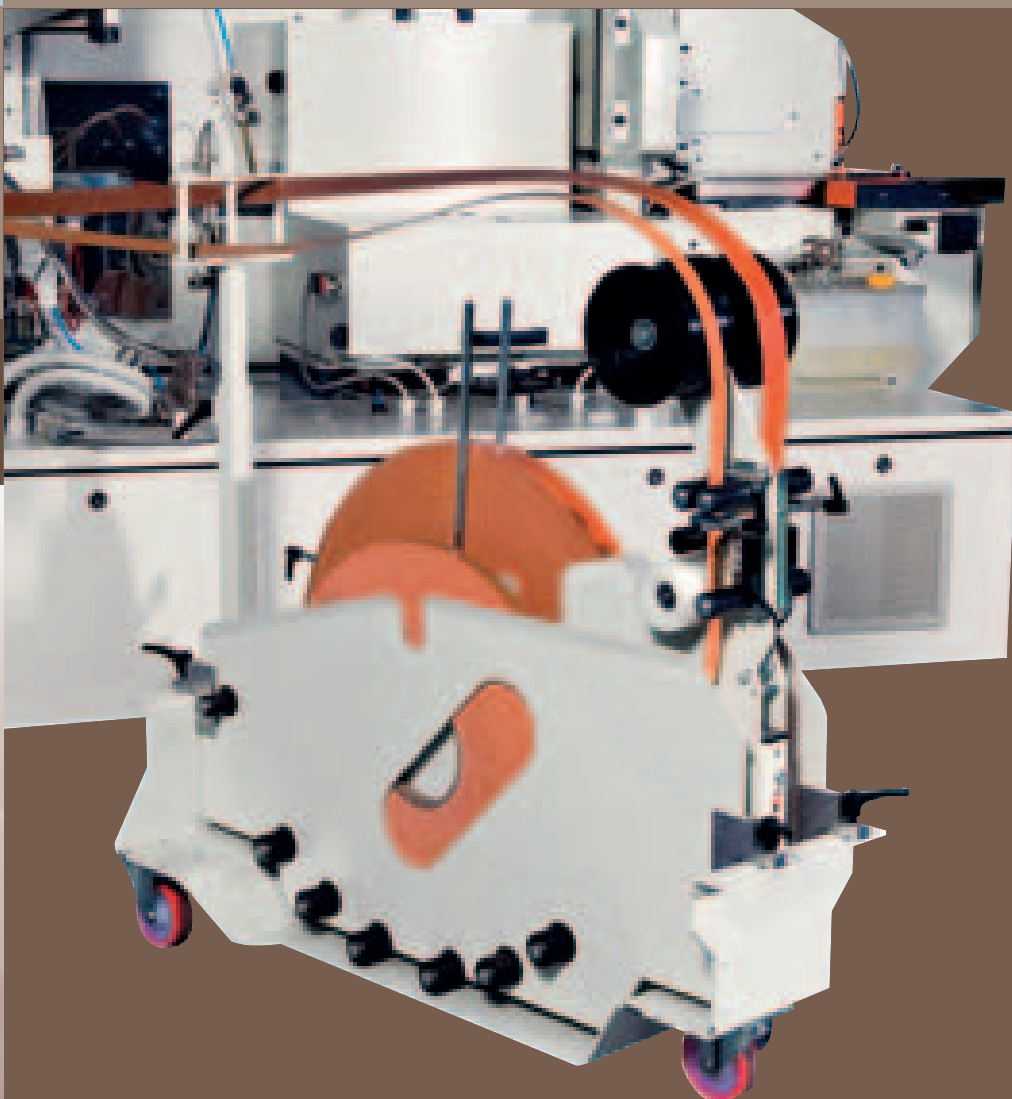
POWER-ASSISTED EDGING FEED



Edging can be fed with a precision of ± 2 mm on the front and rear parts of the panel. This reduces the production costs for each panel.

ROLL MAGAZINES WHEN ONE TYPE OF EDGING IS NOT ENOUGH.

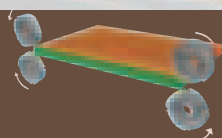
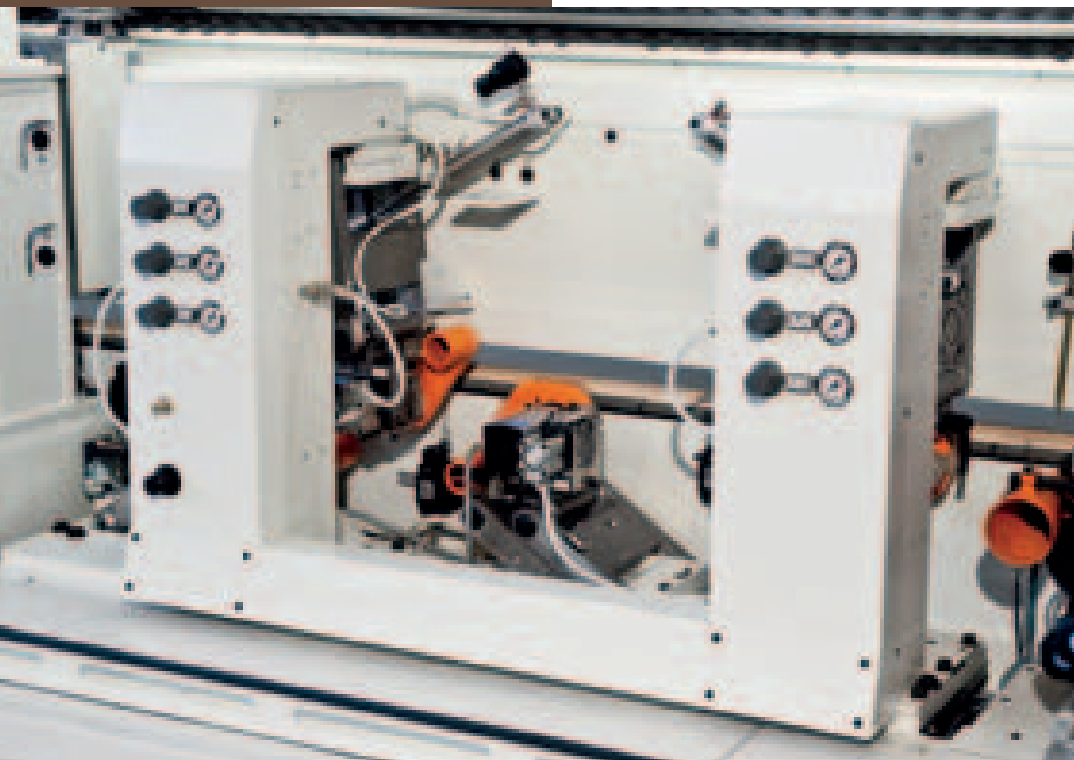
2-roll vertical magazine with automatic change-over from NC or at end of roll.



SOLUTION HD

OPTIONAL WORKING UNITS AND DEVICES

GET THE MAXIMUM ADVANTAGE FROM
SOLUTION HD

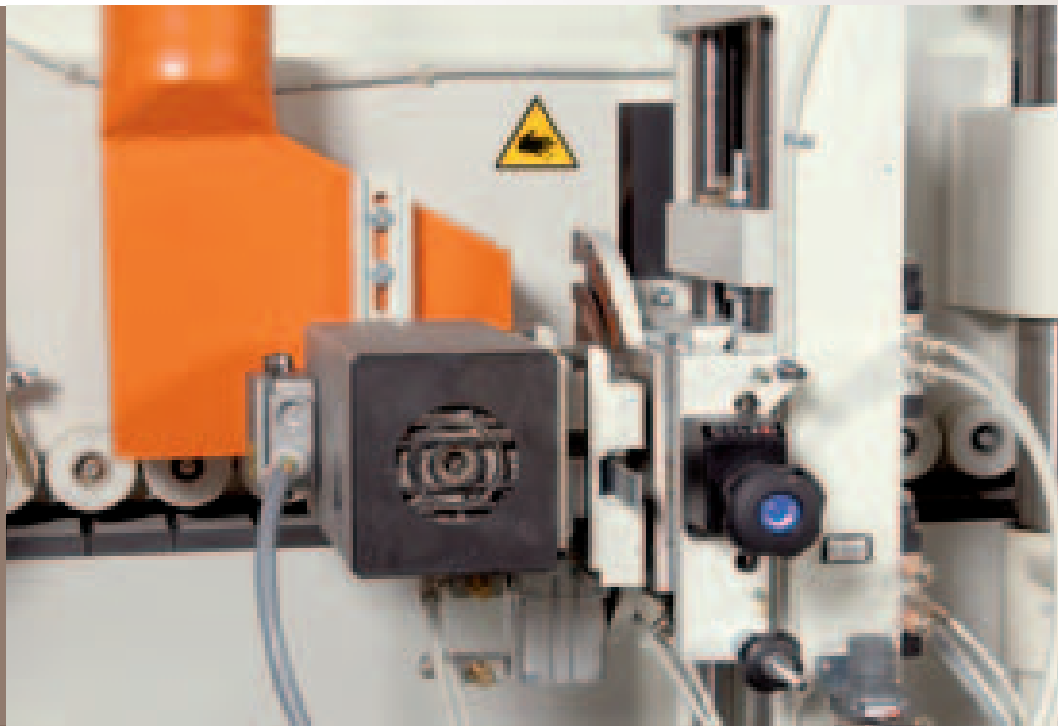


4 motors corner
rounding unit

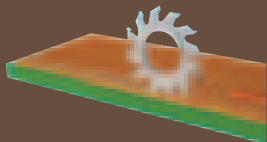
For finishing with corner rounding of the panel edge banded with melamine, PVC, ABS and solid wood edging strips. Quick release device for tool taper block and tool, for setting up more processings. Possibility of a NC lateral feeler for working different thicknesses or compensating for tolerances. Availability of special feelers for edge banding panels previously machined with the Nesting process. Possibility of setting up the 2P kit

for automatically working a thin edging and a radiused edging using NC. Possibility of setting up the Multiedge kit for automatically working a thin melamine edging and two radiused edging strips with perfect quality. Optimised extractor flow with the ED-SYSTEM.

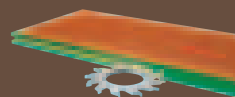




To process through or timed grooves on the top, bottom and sides of the panel. Quick release device for the suction hoods. Intervention precision up to +/- 2 mm.



Grooving unit



Grooving unit



For finishing veneered and solid wood edging and preparing it for painting.

Sanding unit



SOLUTION HD

OPTIONAL WORKING UNITS AND DEVICES

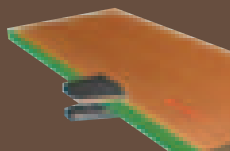
GET THE MAXIMUM ADVANTAGE FROM SOLUTION HD



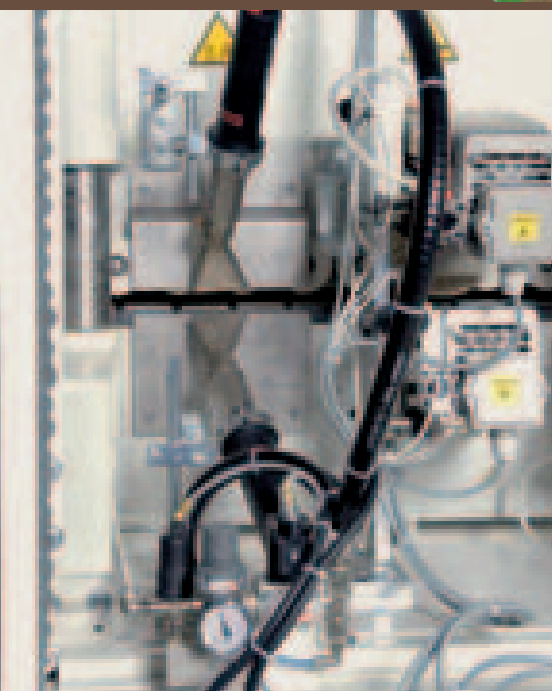
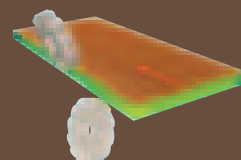
- ◀ To eliminate possible residual glue on the top and bottom side of the panel. Double bearing feelers for perfect process precision.
- ▶ For panel cleaning and brightening of plastic edges.



Gluescraping unit

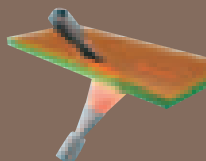


Buffing unit



- ◀ For brightening of plastic edges.

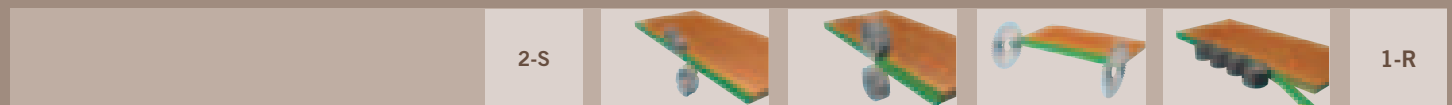
Edge brightening unit



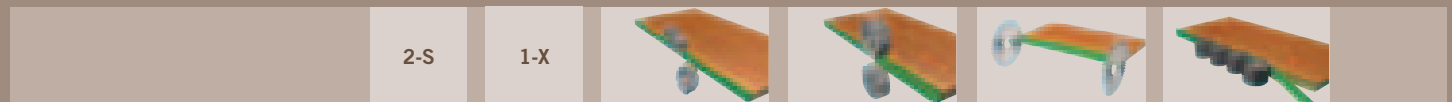
COMPOSITIONS

Processing of thin and solid wood edges

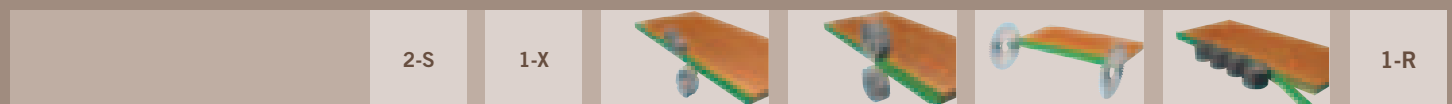
SOLUTION HD-R (48)



SOLUTION HD-T (53)

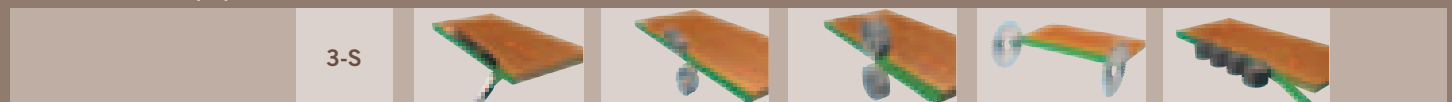


SOLUTION HD-RT (58)

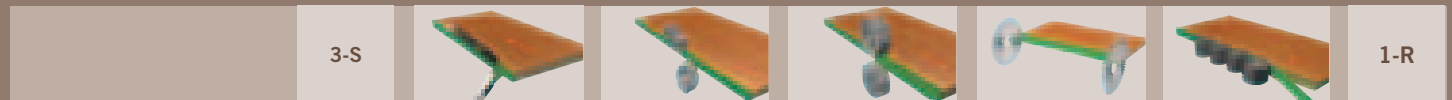


Processing of thin, solid wood and ABS edges on 2 sides

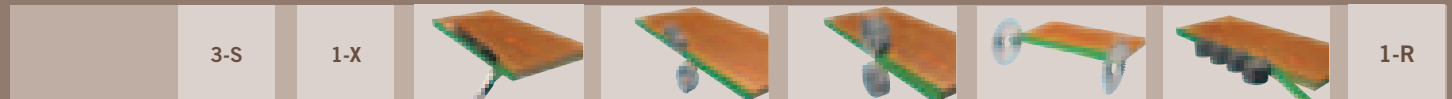
SOLUTION HD-VS (53)



SOLUTION HD-RS (58)



SOLUTION HD-RTS (63)

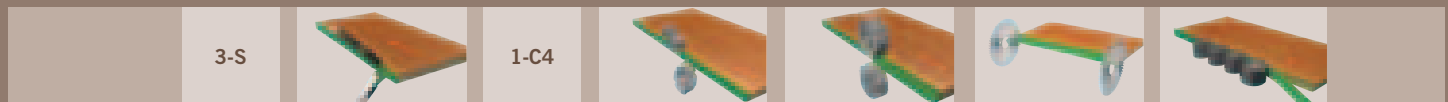


SOLUTION HD

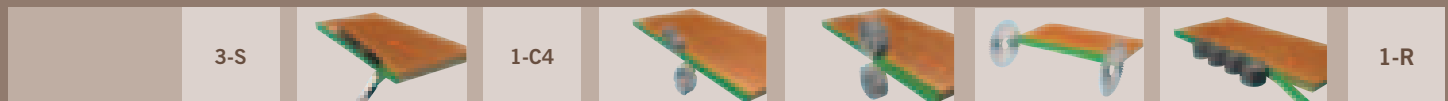
COMPOSITIONS

Processing of thin, solid wood and ABS edges on 4 sides

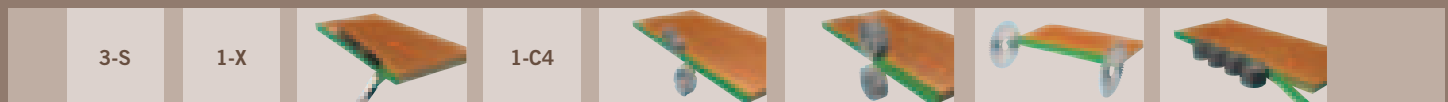
SOLUTION HD-4 (68)



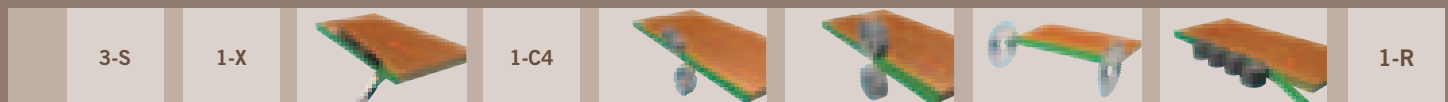
SOLUTION HD-R4 (73)



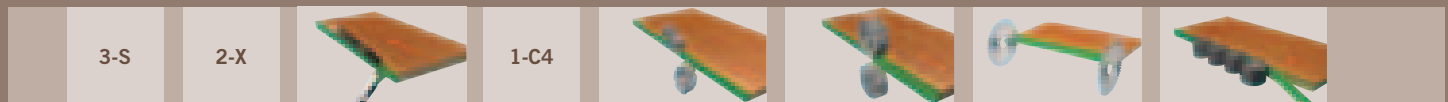
SOLUTION HD-T4 (73)



SOLUTION HD-RT4 (78)



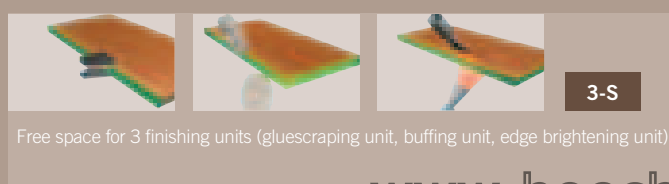
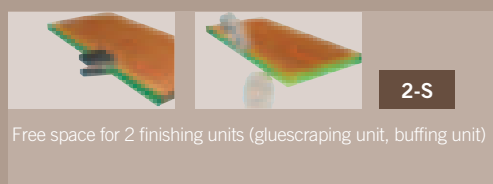
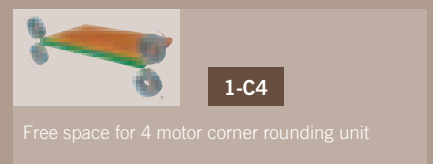
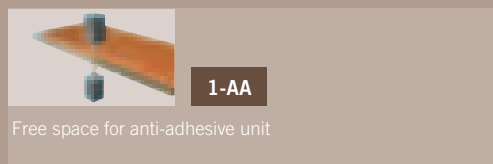
SOLUTION HD-RL4 (78)



SOLUTION HD-RTL4 (83)



Free spaces



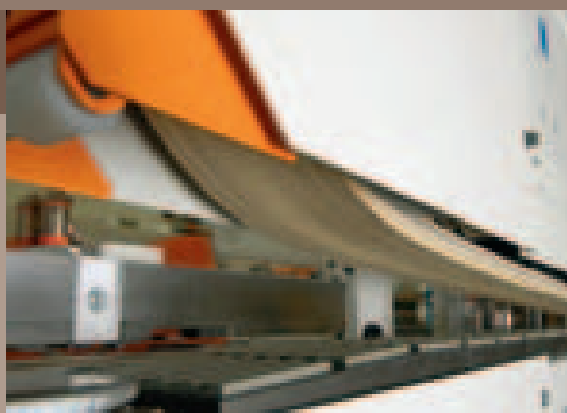
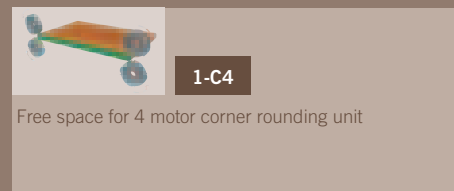
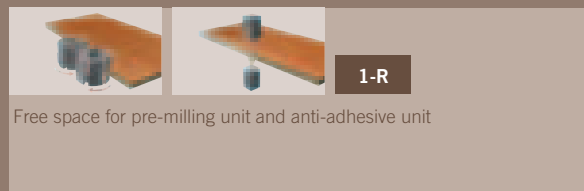
SOLUTION HD-P HIGH PRODUCTIVITY

Solution HD P-R4 and Solution HD P-RT4 edgebanders achieve a standard 25 m/min feeding speed for intensive and high productivity process.

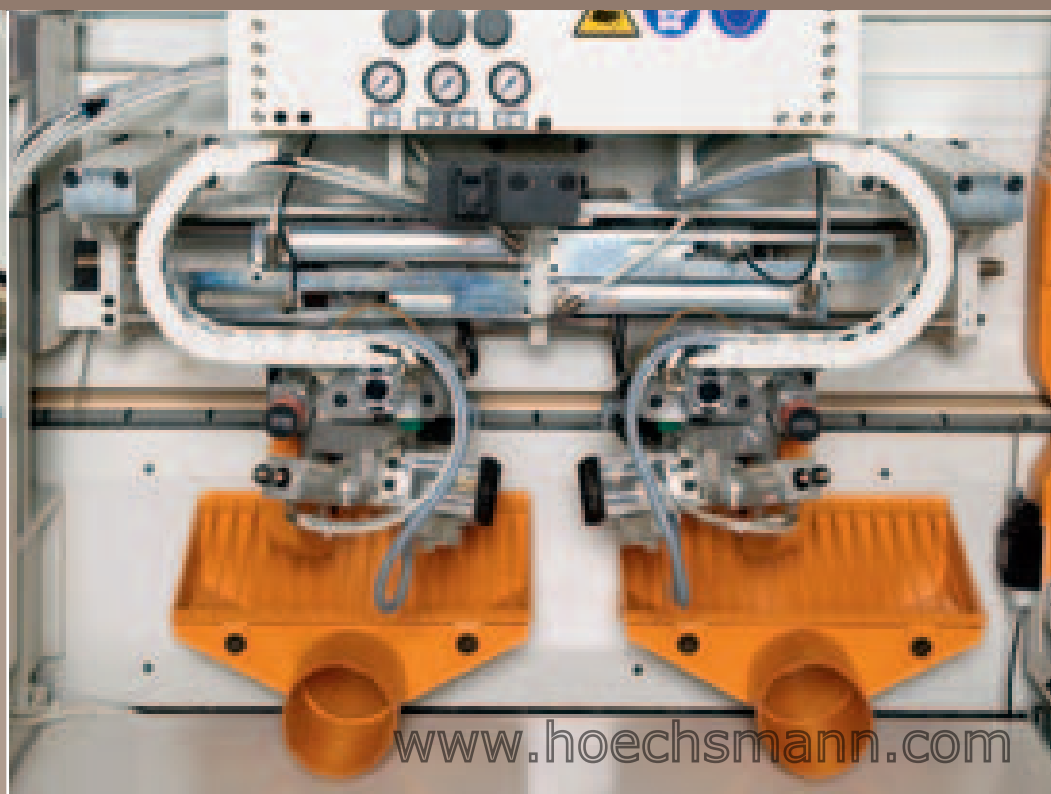
SOLUTION HD P-R4 (78)



SOLUTION HD P-RT4 (83)



Top belt pressure beam



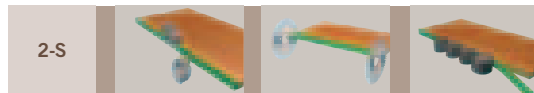
▶
Upper end-trimming unit

30^{up to} m/min

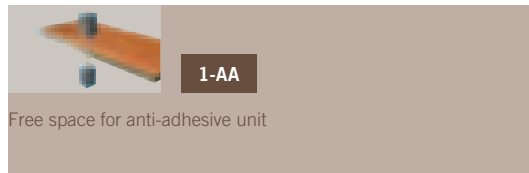
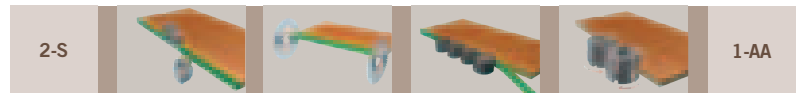
SOLUTION HD-S HIGH SPEED

The edgebanders SOLUTION HD S-A and SOLUTION HD S-RA are equipped with top belt pressure beam and guarantee high productivity as they can process thin edges up to 1,5 mm with feeding speed up to 30 m/min.

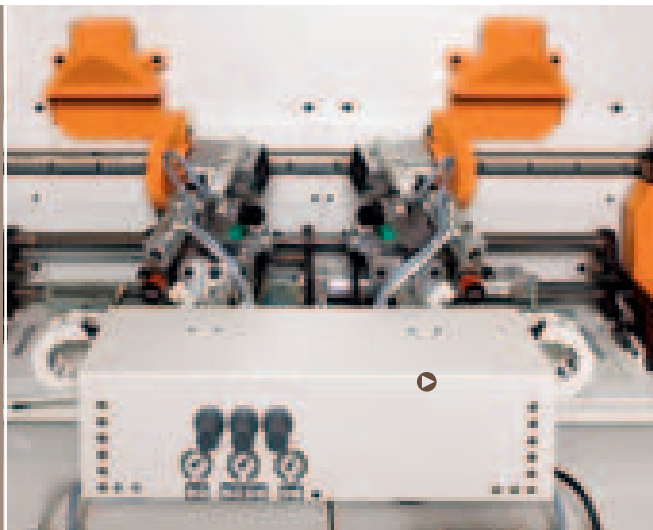
SOLUTION HD S-A (43)



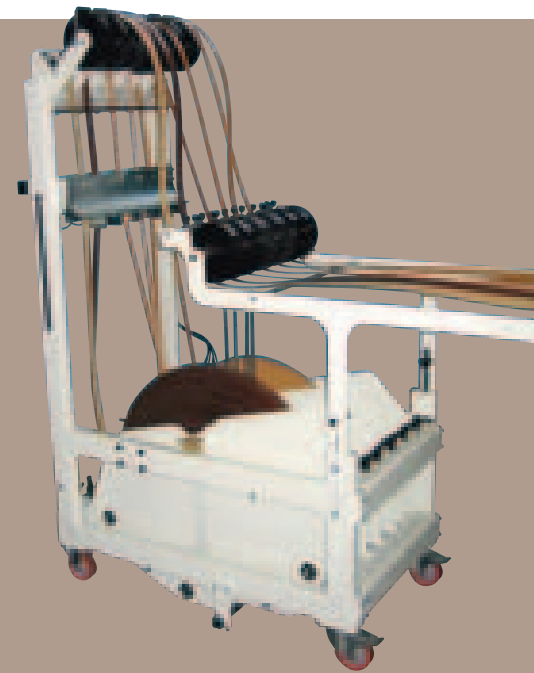
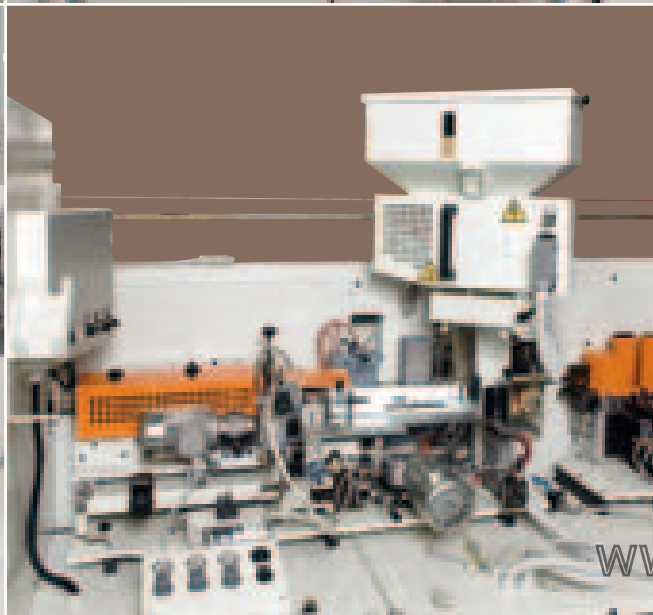
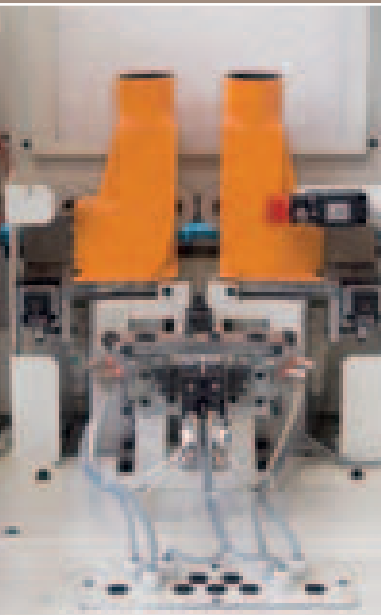
SOLUTION HD S-RA (53)



End-trimming unit ▶



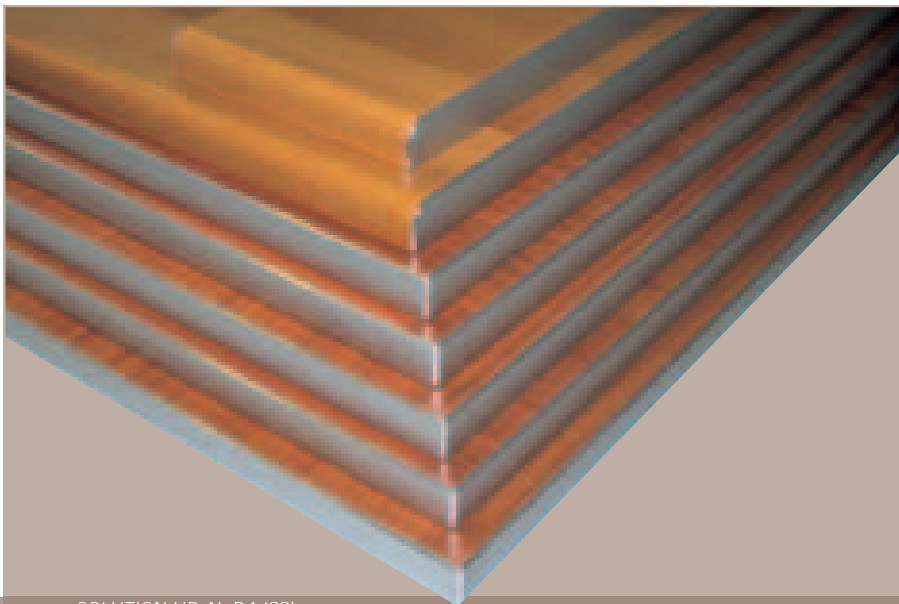
▼ Pre-milling unit



2 or 6 roller vertical magazine with automatic edge change over (optional)

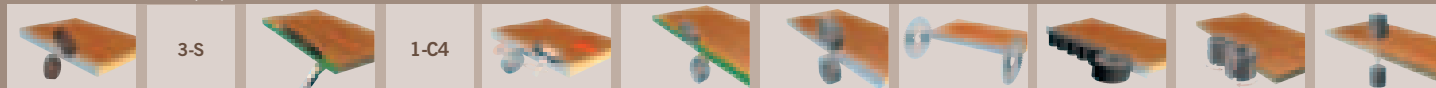

◀ High productivity gluing unit with pre-melting unit

SOLUTION HD-P HIGH PRODUCTIVITY



Solution HD AL-R4 edgebander, equipped with top belt pressure beam, is suitable to process aluminium, thin and ABS up to 3 mm edges. The technology developed by IDM for aluminium edge processing doesn't require sanding units and allows you to obtain both shining and opaque finishing.

SOLUTION HD AL-R4 (88)

1-C4

Free space for 4 motor corner rounding unit



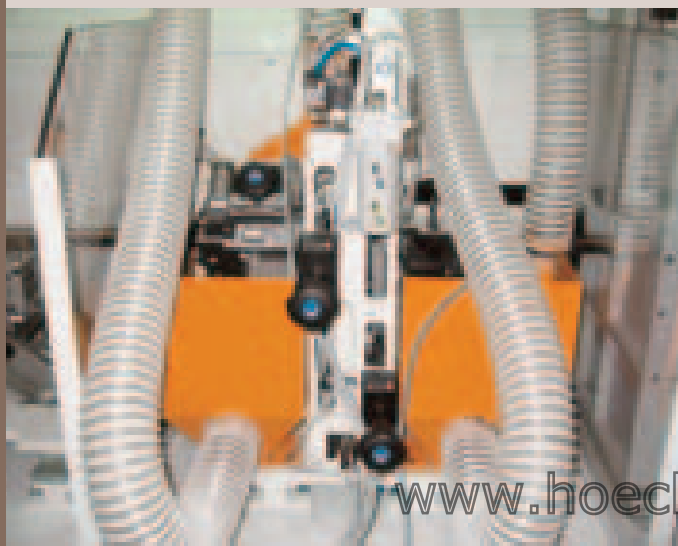
3-S

Free space for 3 finishing units (gluescraping unit, buffing unit, edge brightening unit)

PUR glue process device



Finishing unit for aluminium edge

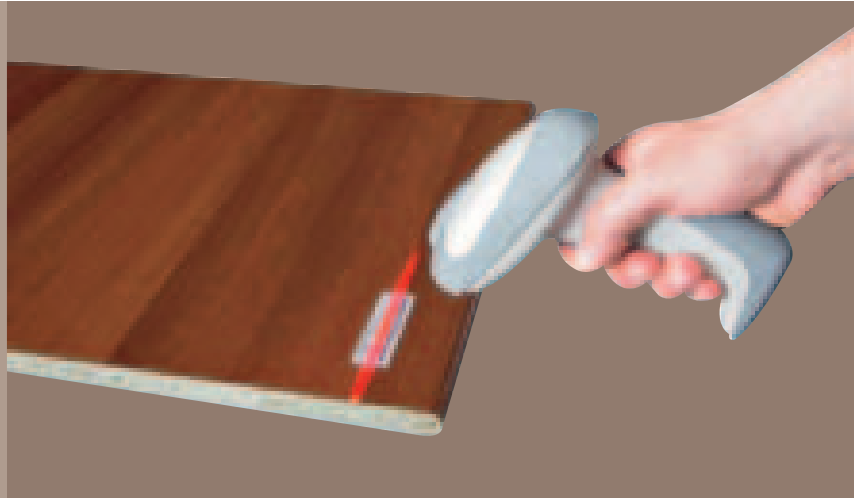


Buffing unit for aluminium edge



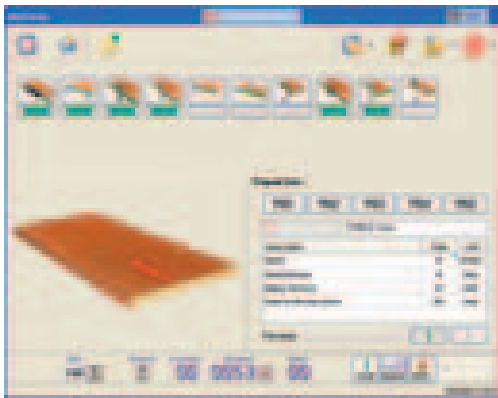
SOLUTION HD

PC OFFICE

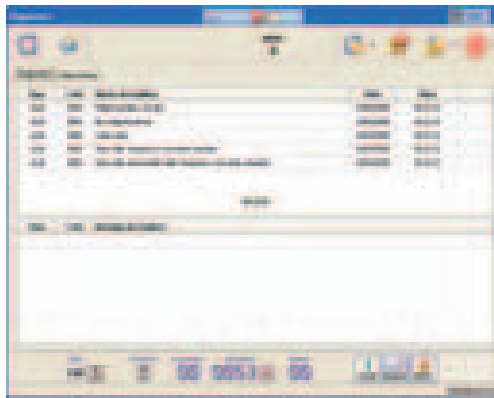


► Bar code reader

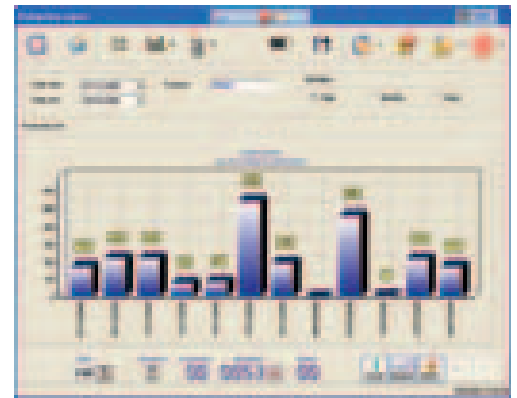
SOLUTION HD is equipped with PC Office that works in Windows XP. WIN EDGE software allows easy, quick and precise machine management thanks to data entering masks that can be managed easily with a guided surfing. Double Hard disk for a continual auto back-up. Display 15" LCD. Touch screen management is possible. UPS unit is available.



Unlimited number of processing programmes. Selection of the first or second pass without changing the program.

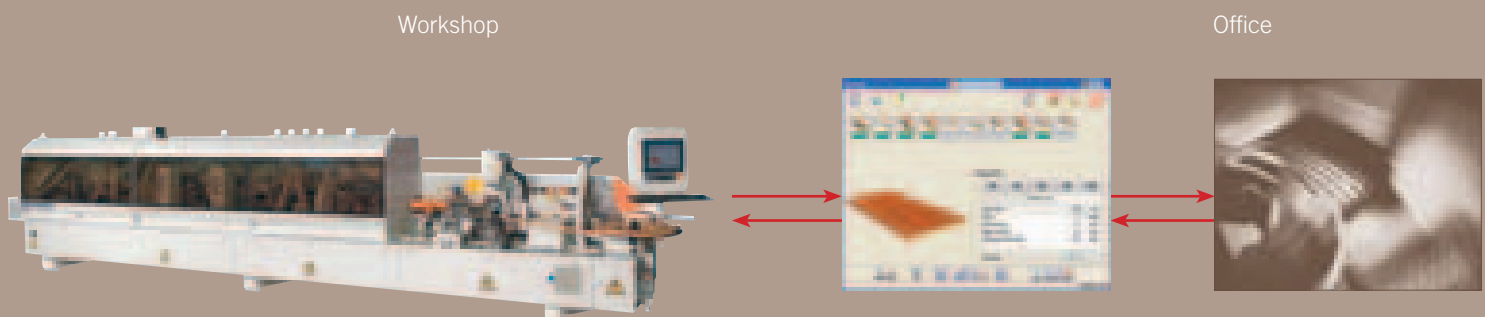


Diagnostic management.

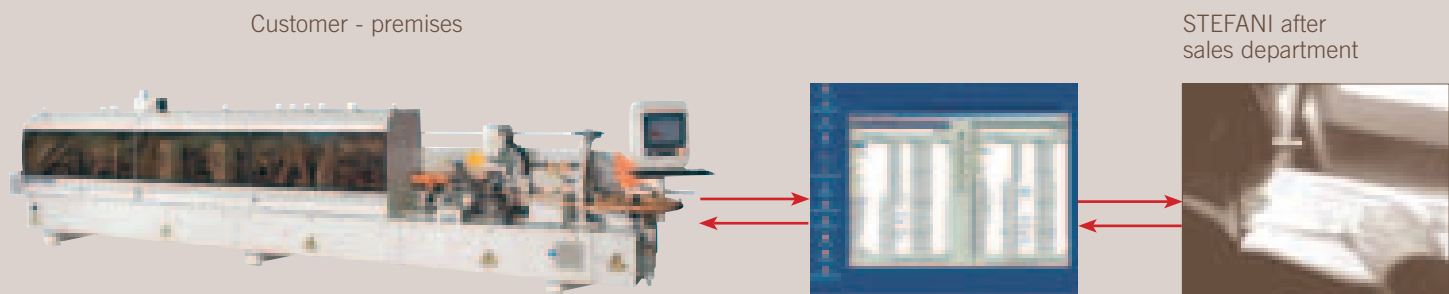


Production reports
Processing data, worked panels, used edge, daily, monthly and yearly. Reports allow production monitoring by statistic graphics and Excel files.

OFFICE-MACHINE INTERFACE



On demand, through the PC Office it's possible to program the machine directly from the office and to receive production reports directly from the machine.



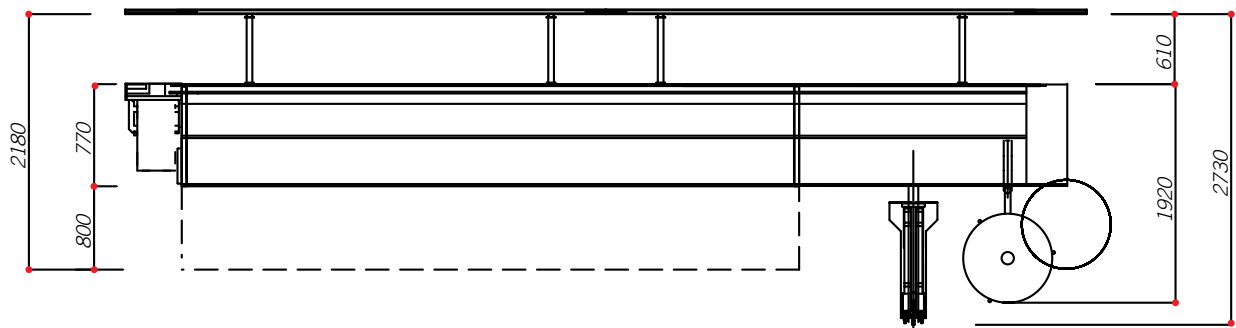
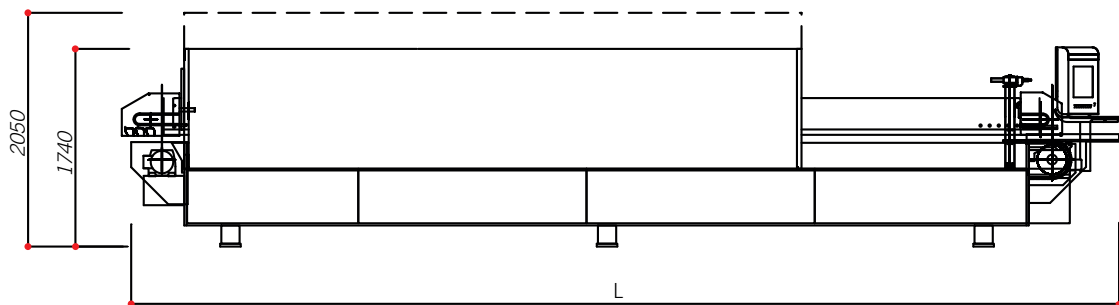
Through teleservice (optional) an immediate intervention from STEFANI technicians in situation of warnings during the machine process is assured to the customer. Further to the request of intervention about the

customer, STEFANI technicians will connect by modem to the PC situated on the customer machine and, in real time, they will resolve the software problems and re-set the machine to the best conditions. Besides,

through teleservice it's possible to modify or update the programs according to customer requests.

SOLUTION HD

TECHNICAL SPECIFICATIONS



Solution HD	HD-V (43)	HD-R (48)	HD-T (53)	HD-RT (58)	HD-VS (53)	HD-RS (58)	HD-RTS (63)	HD-4 (68)	HD-R4 (73)
Total length (L) mm	5170	5670	6170	6670	6170	6670	7170	7670	8170
Solution HD	HD-T4 (73)	HD-RT4 (78)	HD-TL4 (78)	HD-RTL4 (83)	HD-ALR4 (88)	HD-PR4 (78)	HD-PRT4 (83)	HD-SA (48)	HD-SRA (53)
Total length (L) mm	8170		8670		9750		9250		6250

	Solution HD	Solution HD AL	Solution HD P	Solution HD S
Maximum coil material thickness	3 x 45	3 x 45	3 x 45	3 x 45
Maximum strip material thickness	12 22 (opt.)	3 22 (opt.)	12 22 (opt.)	- -
Minimum and maximum panel thickness	10/60	10/60	10/60	10/60
Feed speed	12/18 12-20 (opt. var.) 12-25 (opt. var.)	12/18 12-20 (opt. var.) 12-25 (opt. var.)	12-25 (var.)	12-30 (var.)
Glue types	EVA/PU	EVA/PU	EVA/PU	EVA

SOLUTION HD NOISE LEVEL

	Reference standard	VSA	LAV
Sound power level emitted dBw(A) [mW(A)]	EN ISO 3746 : 1995 ISO 7960-95 Annex G	94,9 [3,1]	96,6 [4,6]
Sound pressure level at operator position, infeed, dB(A)	EN ISO 11202 : 1997 ISO 7960-95 Annex G	76,3	79,3
Sound pressure level at operator position, outfeed, dB(A)	EN ISO 11202 : 1997 ISO 7960-95 Annex G	76,2	78,3

Technical specifications may vary according to the composition chosen. For demonstration purposes, several photographs show machines complete with accessories. The technical data can be modified without advance notice, the modifications do not influence the safety prescribed by the CE regulations.

NLWE: no load values without extraction
OV: operating values. The tests were carried out with air extraction speed equal to 20 m/s.
Uncertainty associated with the measurement of the sound power ≤ 4.0 [dB(A)]
Uncertainty associated with the measurement of the sound pressure at the operator position ≤ 4.0 [dB(A)]
The maximum C-weighted instantaneous sound pressure values are less than 130 dB(C).

SINERT



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