

flexible production

edge banders, sizing edge banders



stefani sz

batch 1 sizing-edgebanding cell

DIVERSIFIED PRODUCTION WITH MEDIUM SMALL BATCHES

Stefani sz is the ideal solution to improve productivity in the case of highly variable production mix, from the single box to the complete furniture, in a simple, immediate and especially more profitable way.

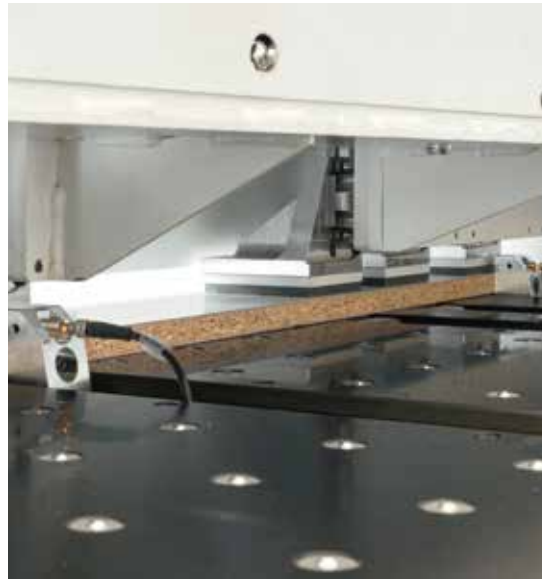


1ST MAXIMUM ACCURACY

Panel positioning by means of the reference guide on right and left side with non-deformable bearings and NC movement on linear guides.



2ND MAXIMUM ACCURACY
The panel is accurately controlled until beyond the working unit on the panel preparation area.



3RD MAXIMUM ACCURACY
Maximum grip of the panel thanks to top and bottom grippers and frontal stop



SIMPLE ACTS, ADVANCED TECHNOLOGY
Automatic program set up by Bar Code device

WORKING STEPS

Lengthwise feeding

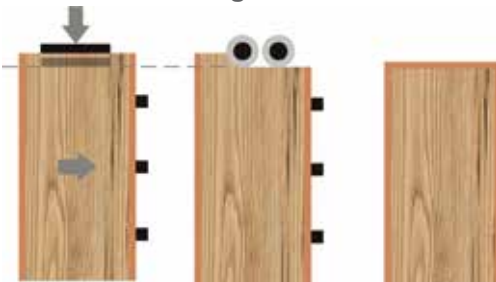


First pass
Panel alignment to the working line, preparation and edgeworking of the first long edge

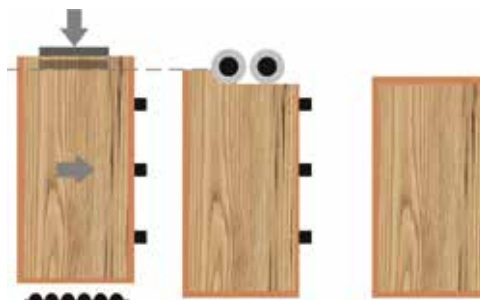


Second pass
Panel alignment to the working line by the NC right side guide, preparation and edgeworking of the second long edge

Crosswise feeding



Third pass
Panel alignment to the working line and frontal stops, start of the introduction cycle with panel preparation and edgeworking of the first short edge.



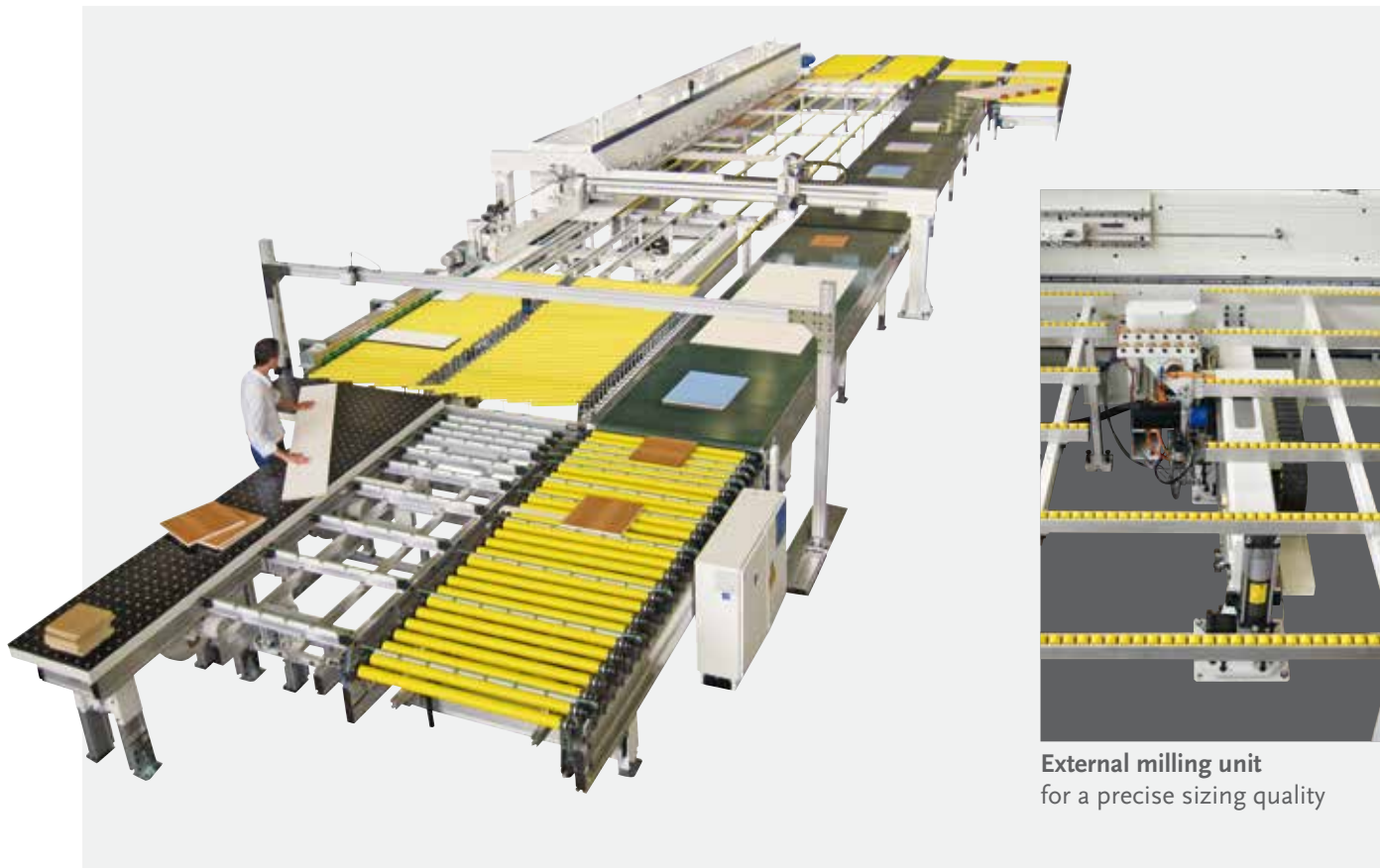
Fourth pass
Panel alignment to the working line by the NC right side guide and frontal dogs, start of the introduction cycle with panel preparation and edgeworking of the second short edge

stefani az

batch 1 sizing-edgebanding cell

MASS CUSTOMIZATION

Stefani az combines in one solution customized production and quality, industrial production volumes and maximum diversification of the batch and guarantees a constant success with each work order.



External milling unit
for a precise sizing quality



CONTINUOUS TRACKING

Adaptive production with all processing parameters under control



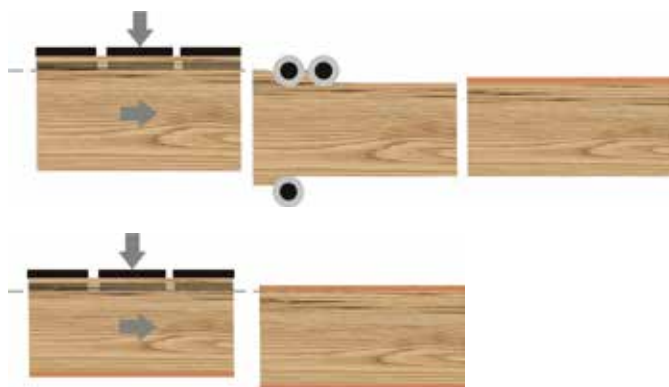
GUARANTEED PRECISION

Maximum panel stability thanks to the the grip in all panel surfaces.



WORKING STEPS

Lengthwise feeding



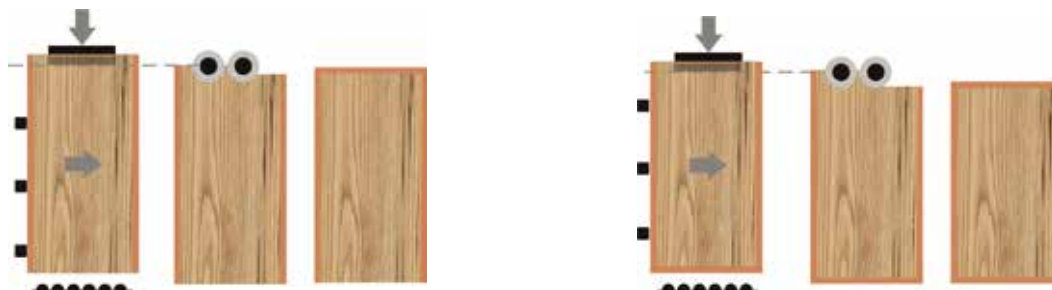
First pass

Panel alignment to the working line, sizing with the correct dimension of both longitudinal sides and edge application on the first long edge.

Second pass

Panel alignment to the working line and edgebanding of the second long edge

Crosswise feeding



Third pass

Panel alignment to the working line by the NC right side guide and rear dogs, start of the introduction cycle with panel preparation and edgebanding of the first short edge.

Fourth pass

Panel alignment to the working line by the NC right side guide and rear dogs, start of the introduction cycle with panel preparation and edgebanding of the first short edge.





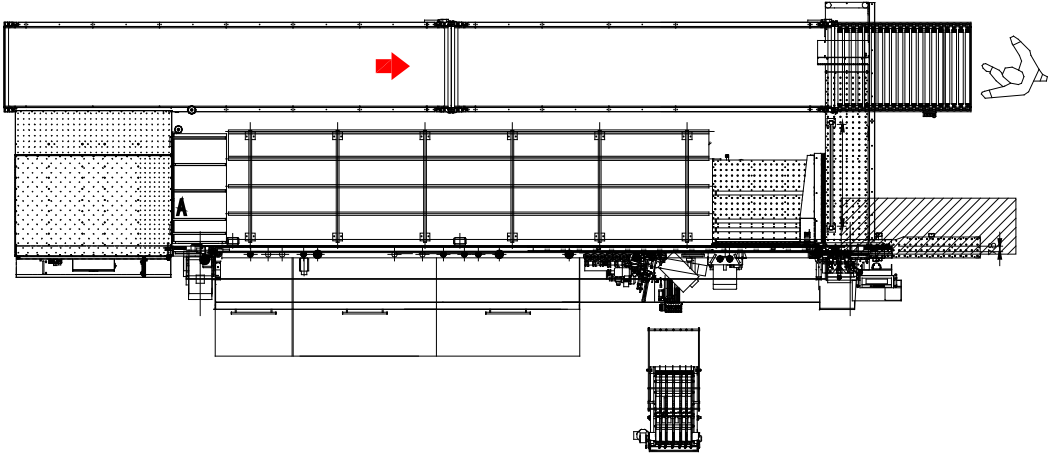
flexible production

layout

BATCH 1

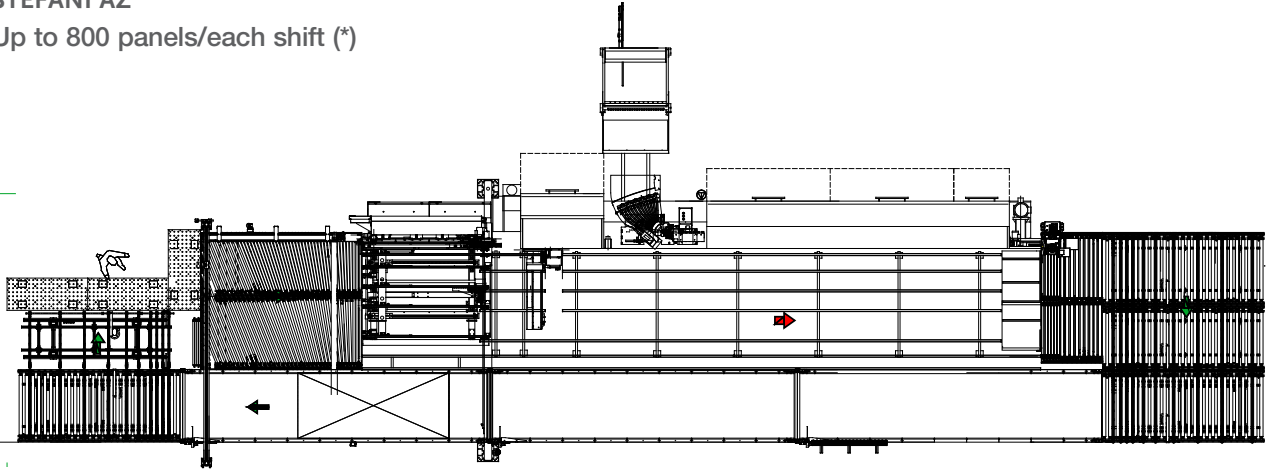
STEFANI SZ

Up to 600 panels/each shift (*)



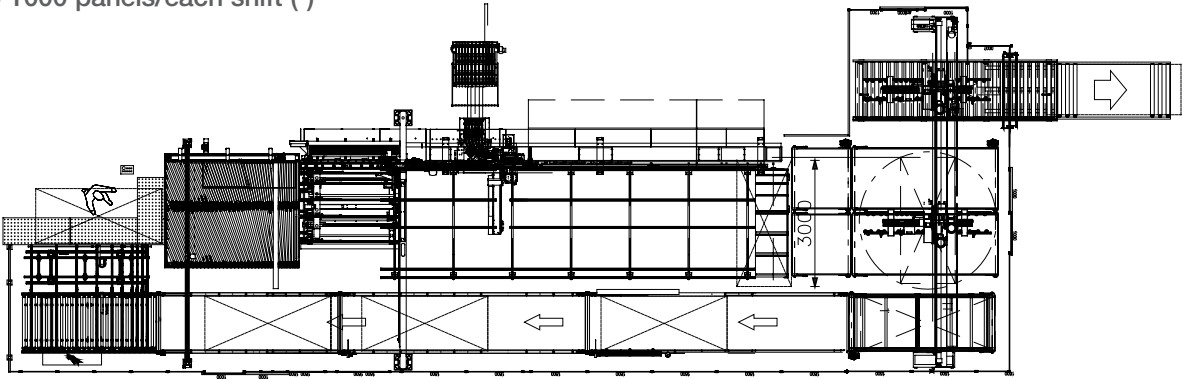
STEFANI AZ

Up to 800 panels/each shift (*)



STEFANI AZ+

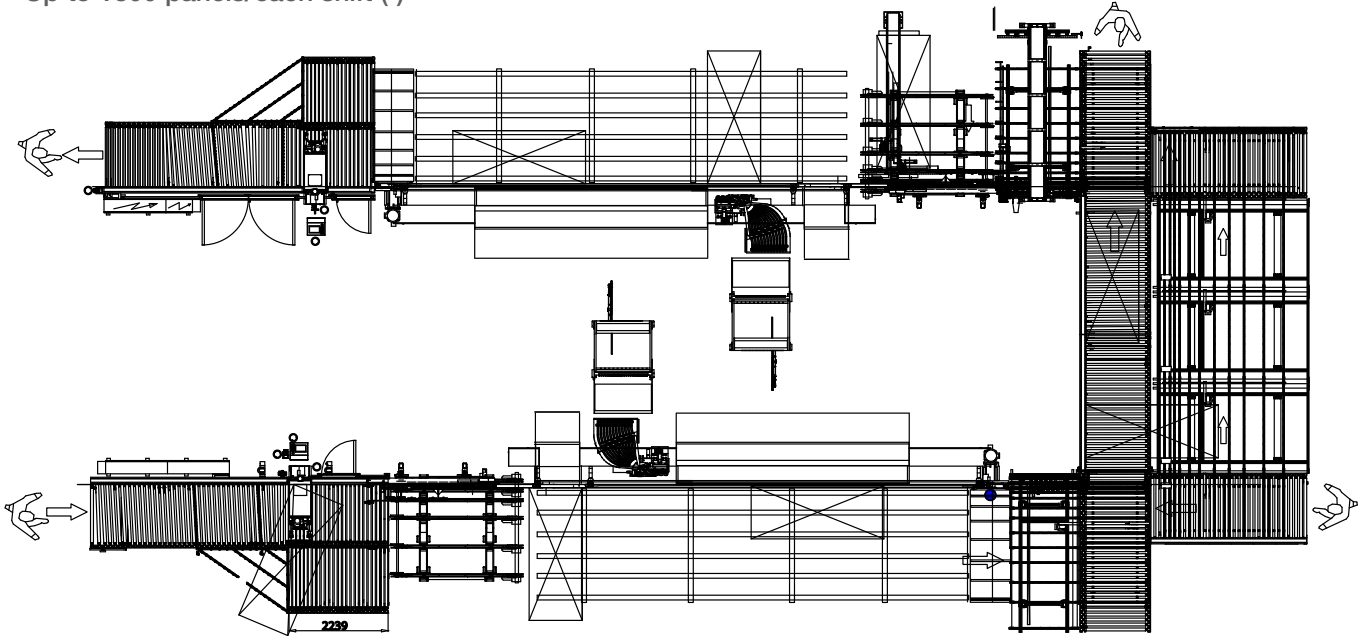
Up to 1000 panels/each shift (*)



BATCH 1 – INTENSIVE PRODUCTION

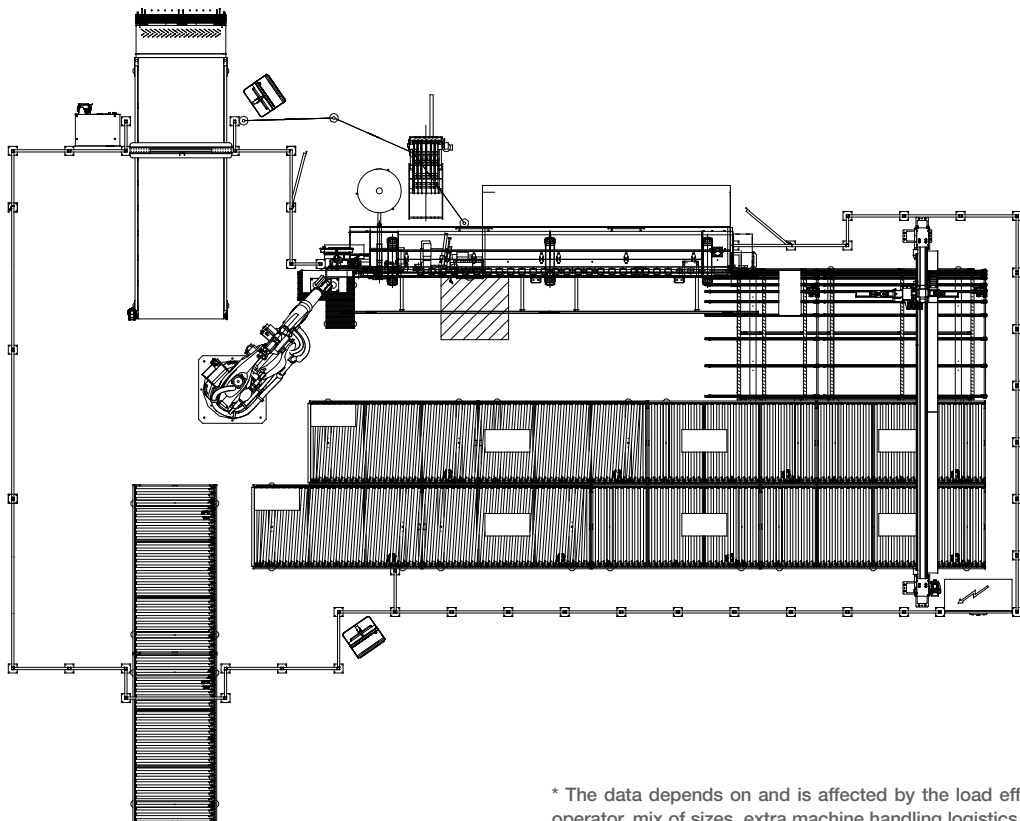
STEFANI FZ

Up to 1300 panels/each shift (*)

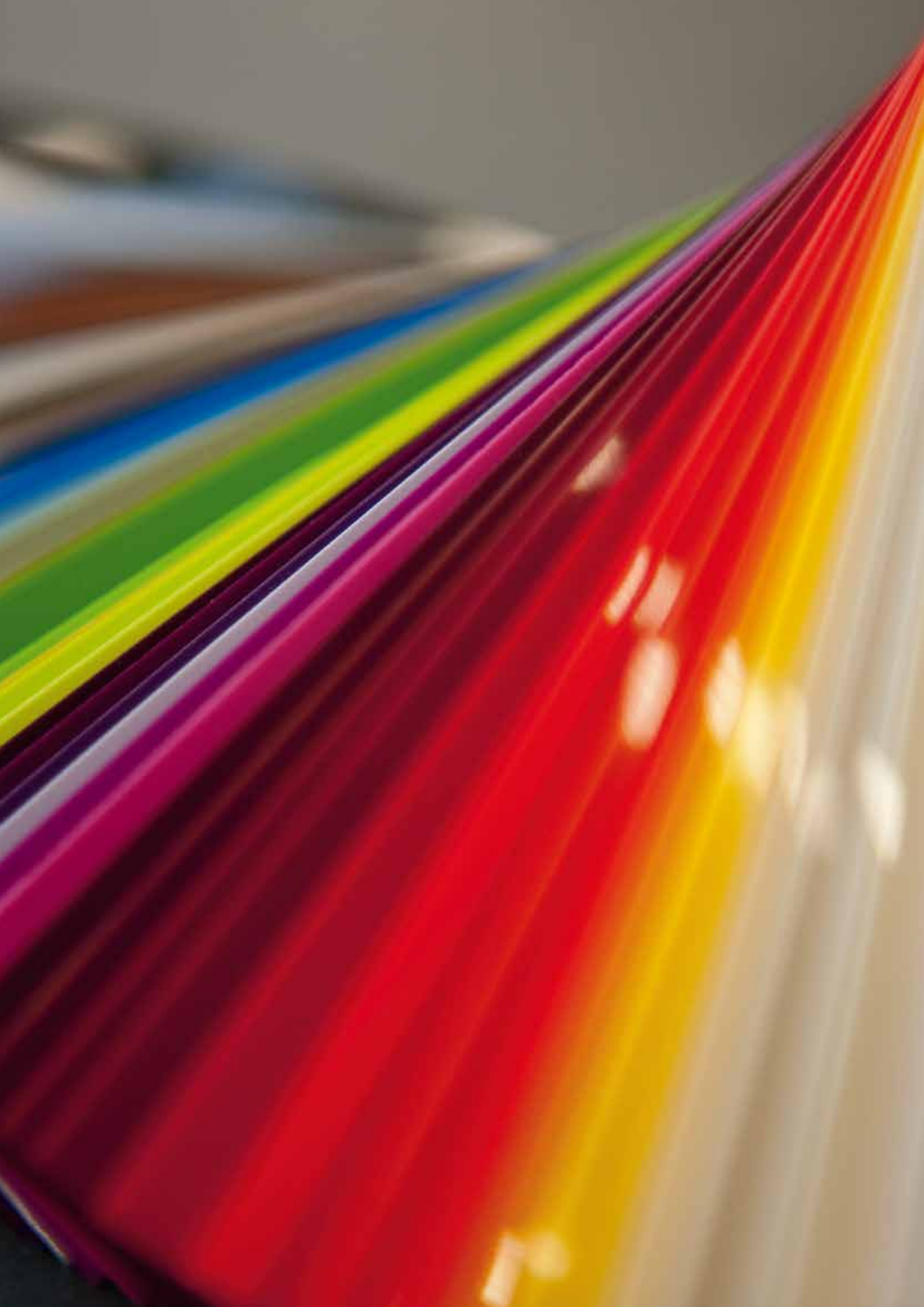


LOTTO 1 - LEAN CELL

UP TO 600 PANELS/SHIFT (*)



* The data depends on and is affected by the load efficiency of the operator, mix of sizes, extra machine handling logistics.





TECHNICAL DATA

	STEFANI SZ	STEFANI AZ	STEFANI AZ+	STEFANI FZ	LEAN CELL
Machinable dimensions with lengthwise feeding (length x width mm) (min/max)	250x120 / 2500* x 1200 (*3200 opt)	250x130 / 3000 x 1200	250x130 / 3000 x 1200	250x130 / 3200 x 1200	150x320 / 2700 x 1300
Machinable dimensions with crosswise feeding (length x width mm) (min/max)	120x250 / 1200 x 2500* (*3200 opt)	130x250 / 1200 x 3000	130x250 / 1200 x 3000	130x250 / 1200 x 3000	130x250 / 1200 x 3200
Approximate space required (m2)	85	250	300	380	280
Number of operators	1	1	1	2	0
Machining operation with panel squaring/sizing	yes	yes	yes	yes	yes
Possibility of finish quality checking	yes	yes	yes	yes	yes
Side finder technology for intelligent recognition of the edge to be inserted	yes	yes	yes	yes	yes
Check technology for the feasibility of production	yes	yes	yes	yes	yes
Flexible processing by management of each zone / each working unit	yes	yes	yes	yes	yes
Continuous optimization of the panel gap depending on the machined panel	yes	yes	yes	yes	yes
Flexible management of edge application technology/quality	yes	yes	yes	yes	yes



The technical data can vary according to the requested machine composition. In this catalogue, machines are shown with options. The company reserves the right to modify technical specifications without prior notice; the modifications do not influence the safety foreseen by the CE Norms.

flexible production

software



MAESTRO PRO-EDGE

an expert process that guides you to produce quickly. Maestro Pro-Edge allows an easy quick machine management without errors.



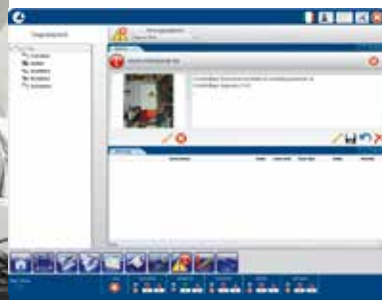
Immediate, powerful, custom operator interface

Maximum ease of use with the convenient 17" screen. Intuitive programming with a specific graphic design. USB and Ethernet ports for easy connection to the company network.



Program maintenance

Complete and continue checks for all machine functionalities to get the maximum possible efficiency



Productivity always under control

In case of machine alarms, the PC indicates the details of the alarm, guiding the operator to the solution of the problem. The knowledge of the operator gained in solving the problems can be stored and made available in the future.



Reporting

Processing data, panels worked, edging used, daily, monthly and yearly. Reports allow production monitoring by statistical graphics and Excel files.



MAESTRO WATCH SUPERVISOR

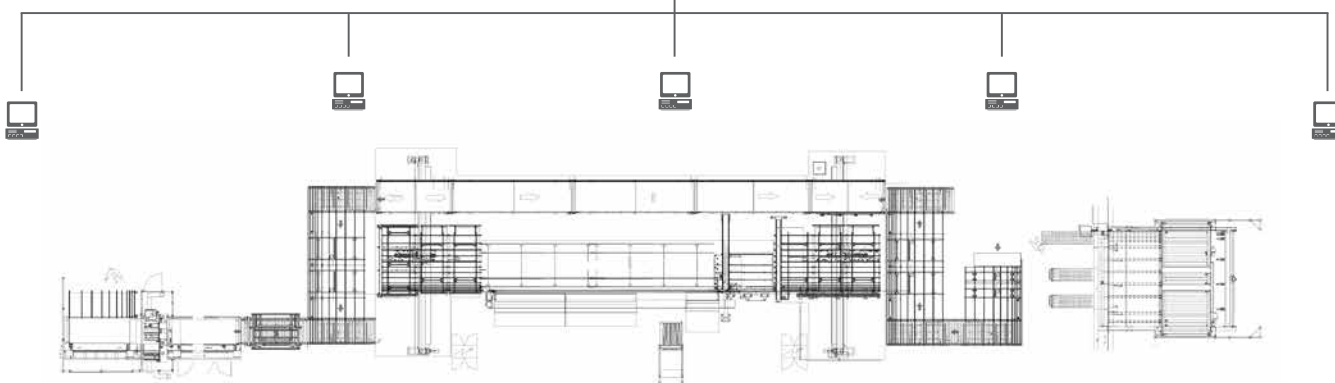
Connecting all the command and control information into a production line in real time is extremely simple thanks to the new, powerful supervisor MAESTRO WATCH by SCM, perfect for controlling and managing the entire process from a single, convenient position .

ERP
COMPANY NETWORK



Immediate start of programs to all machines of the line, preliminary check of the processing feasibility. Zone management of the line to ensure the highest productivity with every program.

MACHINES



- Rapid and correct insertion of the panels in the cell, thanks to the SIDE FINDER technology that, via a display in the operating position, shows the operator which edge to insert in the cell next.
- Preliminary simulation of machining times.



- Immediate availability (even on mobile devices) of the machining information relating to each panel, regardless of where the panel is in the cycle, due to the continuous tracking provided by the supervisor system.
- Check of machining feasibility for each component.



MAESTRO WATCH is customized and optimized by SCM depending on the line that has to supervise



Control of the line from one single position



THE STRONGEST WOOD TECHNOLOGIES ARE IN OUR DNA

SCM. A HERITAGE OF SKILLS IN A UNIQUE BRAND

Over 65 years of success gives SCM the centre stage in woodworking technology. This heritage results from bringing together the best know-how in machining and systems for wood-based manufacturing. SCM is present all over the world, brought to you by the widest distribution network in the industry.

65 years history

3 main production sites in Italy

300.000 square metres of production space

17.000 machines manufactured per year

90% export

20 foreign branches

350 agents and dealers

500 support technicians

500 registered patents

In SCM's DNA also strength and solidity of a great Group. The SCM Group is a world leader, manufacturing industrial equipment and components for machining the widest range of materials.

SCM GROUP, A HIGHLY SKILLED TEAM EXPERT IN INDUSTRIAL MACHINES AND COMPONENTS

INDUSTRIAL MACHINERY

Stand-alone machines, integrated systems and services dedicated to processing a wide range of materials.



WOODWORKING TECHNOLOGIES



TECHNOLOGIES FOR PROCESSING
COMPOSITE MATERIALS, ALUMINIUM,
PLASTIC, GLASS, STONE, METAL

INDUSTRIAL COMPONENTS

Technological components for the Group's machines and systems, for those of third-parties and the machinery industry.

HITECO

SPINDLES AND
TECHNOLOGICAL COMPONENTS

Les

ELECTRIC PANELS

steelmec

METALWORK

scmfonderie

CAST IRON



is more



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