

42 FX

APPLICATIONS

Accord 42 fx is the SCM machining centre equipped with the **new machining head consisting of 2 routing units (3+5 axes)**. Designed for the intensive processing of solid wood, it matches heavy duty profiling at high power with production creativity and flexibility. The ideal solution for doors, windows and stairs.

WINDOWS



DOORS



STAIRS



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KOMMA

CNC machining centres

accord 42 fx
numeric control machining centre



ACCORD

TECHNOLOGICAL ADVANTAGES

PRODUCTIVITY

Reduced cycle time thanks to the new machining head with 2 independent routing units. The tool changeover takes place in masked time: while one unit is working, the other performs the tool change, for an increased machine productivity.



PERFORMANCE

Heavy duty profiling performed **at high speed** for a perfect finish quality, using the rear routing unit equipped with an electrospindle which delivers 21 kW of power.



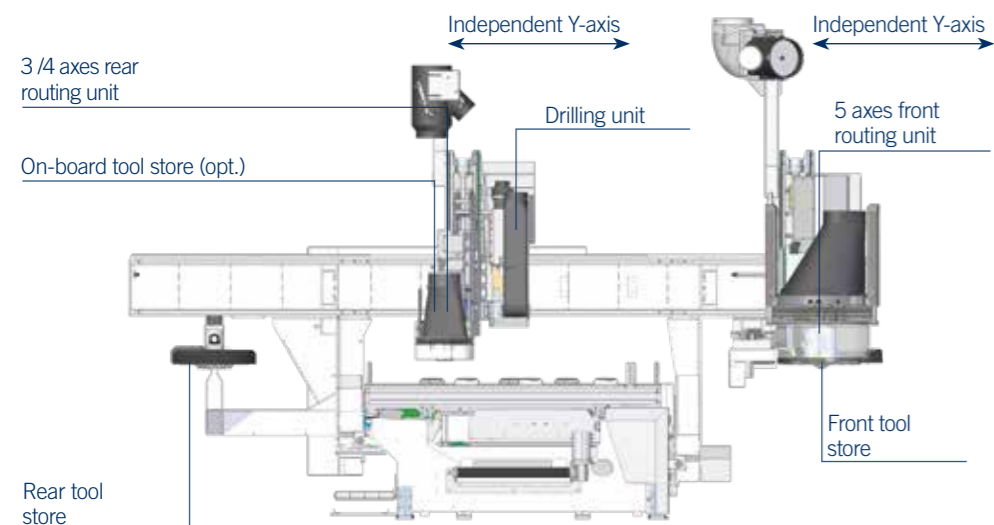
USER FRIENDLINESS

The **Maestro Suite** offers the easiest programming system, allowing to programme in a fast and intuitive way.



ACCORD 42 FX

MACHINE COMPOSITION



The rear chain store characterized by high capability and reduced dimensions allows to manage up to 48 heavy and large tools.



The rear routing unit with independent Y-axis is equipped with double Z-axis for 3 / 4-axis electrospindles + drilling unit.



Drilling unit with independent spindles as well vertical as horizontal, and rotation speed up to 8000 rpm.



Front routing unit with independent Y- and Z-axis for 5-axis electrospindle useful on the entire machining area.



Mobile console eye-M: Multi-touch industrial operator panel with simple and elegant design.

Maestro Suite: Expand your creativity



Maestro cnc
Designing, importing and programming, management of advanced functions for cnc machining centres.



Maestro 3d
Three-dimensional (3D) object designing and programming on 5-axis machining centres.



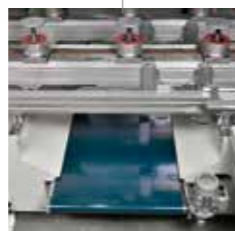
Maestro pro view
3D simulator allowing the user to have a three dimensional model of his machine on a PC in the office for visualizing in advance the operations that will be carried out during the production.



Maestro apps
Library of programming functions that are always available and easy to use, developed by SCM.



Maestro wd
Application included in the Maestro suite, it is designed for planning and programming each single part of linear and arc-shaped windows, doors and shutters.



The 700 mm wide conveyor belt and the particular design of the machine base allow a good evacuation of chippings and waste.



MATIC worktable: The bars and bases are moved using a rack and pinion direct transmission system and have independent motors for fast and precise positioning of vacuum cups and pneumatic clamps.



Gantry with double motor in X-axis: Maximum precision during machining and rapid traverse of 95 m/min.



The 16 positions front circular store is ergonomic and compact. It is accessible from the machine front and prevents the machine footprint increase.

TECHNICAL DATA

AXES	X-Y-Z axes speed	m/min	95 (25) – 90 – 30
MACHINING AREA X	Bars worktable	mm	5020-6360
MACHINING AREA Y	Bars worktable	mm	1905
WORK PIECE PASSAGGE		mm	350
3 / 4 AXES REAR ROUTING UNIT	Electrospindle power	kW	15-21
	Max. rotation	rpm	20000
DRILLING UNIT	Vertical and horizontal spindles	no.	from 12 up to 26
	Max. rotation	rpm	8000
5 AXES FRONT ROUTING UNIT	Electrospindle power	kW	12
	Max. rotation	rpm	20000
TOOL STORES	On-board tool store	positions	12
	Rear tool store	positions	48
	Front tool store	positions	16

