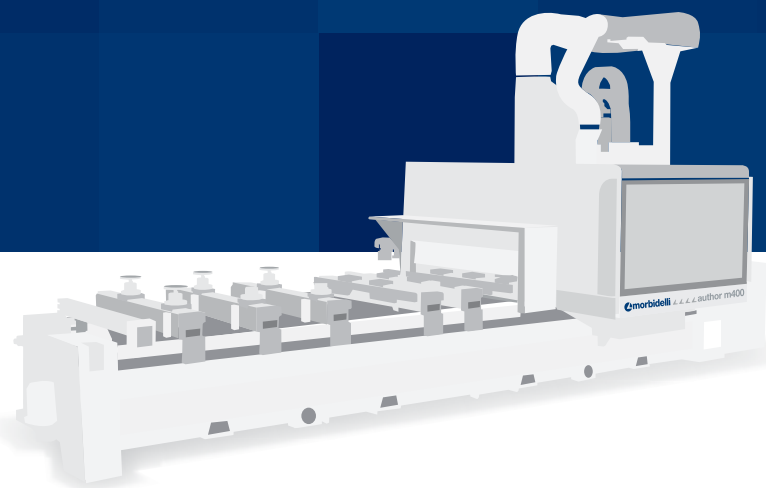




author m400

numeric control work centre



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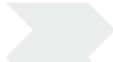


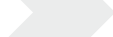
numeric control work centre

Author m400 is Morbidelli's solution to meet the requirements of the generic furniture designer, looking for a product with all functions with a reasonable investment.

- **MAXIMUM PERFORMANCE**
with the machining unit that can be configured to comply with the production requirements.
- **EASY TO USE**
with the simple and safe manual or automatic positioning worktable.
- **QUALITY AND PRECISION**
machining in all conditions, thanks to the gantry structure.





-  sawing.
-  edge banding.
-  **machining center.**
-  sanding.

author m400

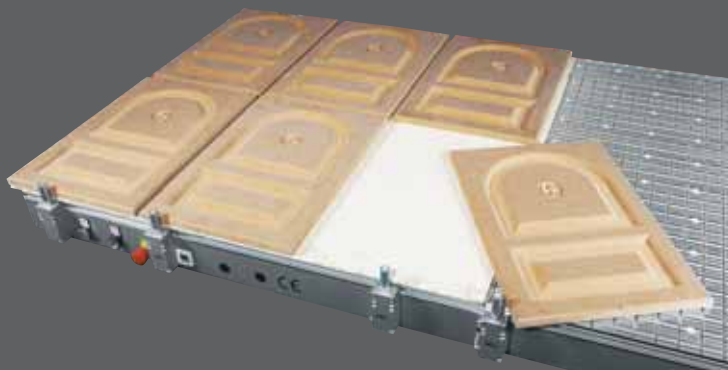
technological advantages

MACHINING UNIT CONFIGURABLE FOR THE DIFFERENT PRODUCTION REQUIREMENTS

with drilling units with up to 50 independent spindles, 5-axes Prisma KT head and tools magazine with up to 34 stations.

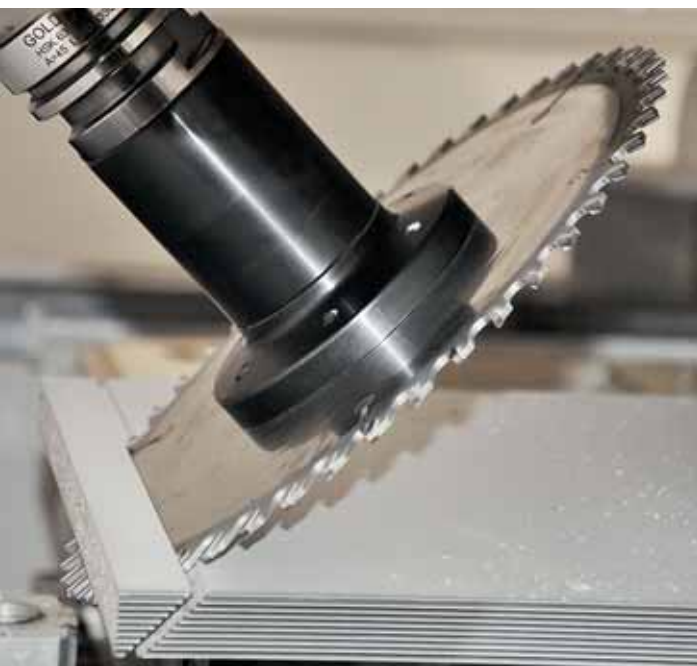


**ALUMINIUM BARS OR
MULTI-PURPOSE WORKTABLE**
for any workpiece hold-down
requirements when machining cut
panels or for nesting applications.



TOTAL LACK OF VIBRATIONS IN ANY SITUATION

with the mobile gantry structure that allows for high machining speeds whilst guaranteeing precision and quality.

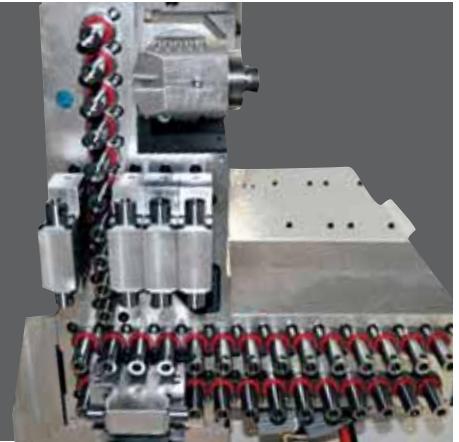


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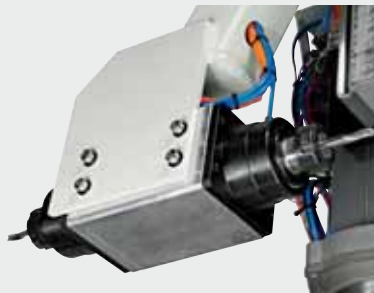
machining unit



50 M DRILLING HEAD
machining unit
Drilling unit with extremely stiff new generation spindle which can reach rotation speeds up to 8000 rpm. Different configurations available up to 50 independent spindles for unrivalled productivity.



MACHINING UNIT WITH LIQUID COOLED 3/4 AXES
electrospindle with power up to 13kW



DOUBLE OUTFEED
5 kW horizontal electrospindle for demanding machining

THE PRISMA KT 5-AXES motor is unique in its category in terms of power and torque at all RPMs.

Even the most demanding machining can be performed with the **EXCLUSIVE TTS** (SCM patented Total Torque System) lock that provides the unit with the stiffness of a vertical head.



tool magazine



TR 10 AND
RAPID 16 OR 24
The machine is always
ready to operate thanks to
its large tool capacity,
(up to 34 stations)



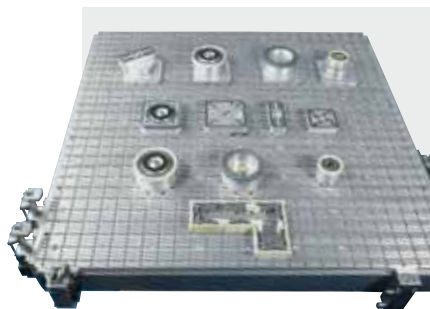
author m400

worktables



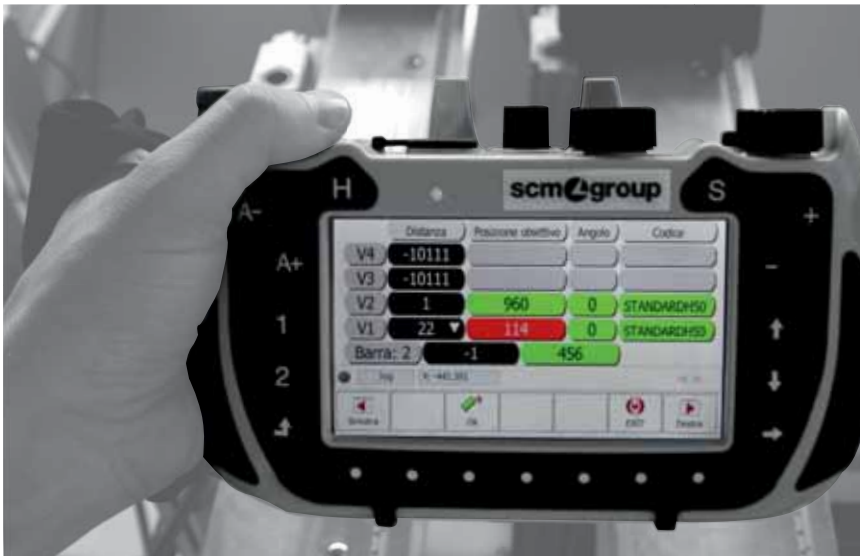
TABLE MATIC

The new worktable has been designed to allow for fast and easy fixturing and to guarantee the maximum stability of the workpiece being machined. Available both in automatic and manual version.



MULTI-FUNCTION TABLE

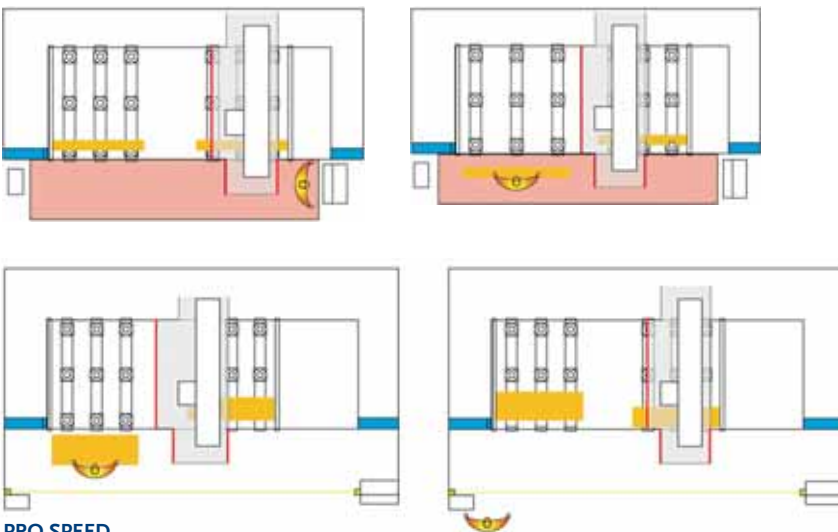
Aluminium boasts constant stiffness and planarity over time. Extremely versatile thanks to SCM's exclusive design that allows for traditional machining with suction cups as well as nesting processes.



TECPAD

Allows the operator to always have the machine control to hand. Facilitates and simplifies the worktable setting operations.

PRO SPACE



PRO SPEED

Pro space

Loading zone completely free to reduce the space occupied to the minimum. Allows the machine to be used with a feed speed of up to 25 m/min.

Pro speed

Allows the machine to be used at the maximum feed speed of 60 m/min when the operator is outside the loading zone.

Sav€nergy. high performance and energy saving.

- Optimum feed speed depending on the material and tool
- Recovery of energy produced during electrospindle braking
- Optimisation of compressed air consumption
- Optimisation of vacuum pump speed of rotation, depending on the vacuum required
- Electrospindle heat exchanger management, depending on the operating temperature
- Automatic switch to stand-by for motors not being used for machining, manual or NC
- Opening of the exhaust outlets related to the machining in progress



SAV€NERGY

author m400

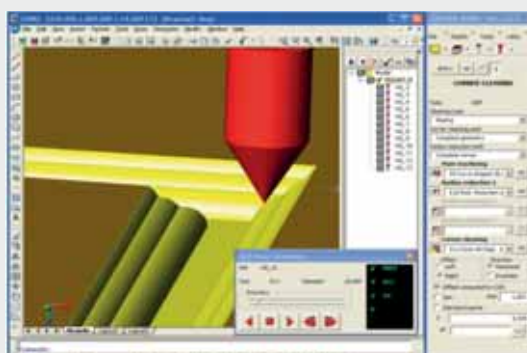
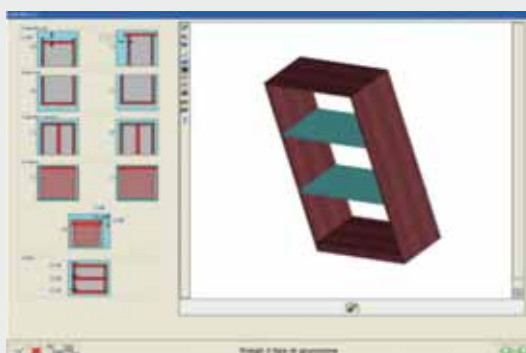
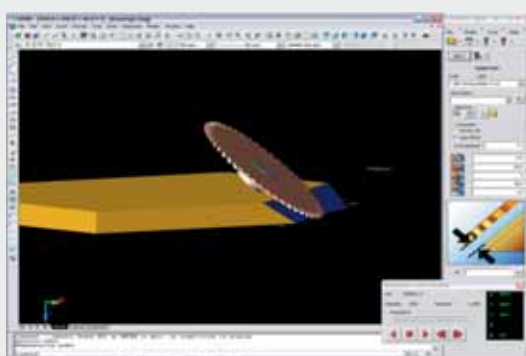
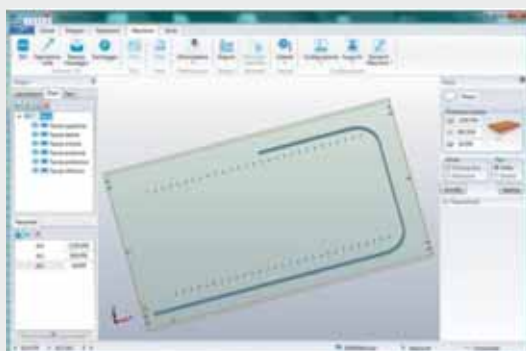
software

SOFTWARE MAESTRO

Xilog maestro is the software used to program Morbidelli's work centres. Developed in the Windows environment, it includes all the specifications and performance to ensure easy and intuitive programming even for first time users of a work centre.

CABINET MODULE

Used to easily machine, with the libraries available, various types of parts and furniture.



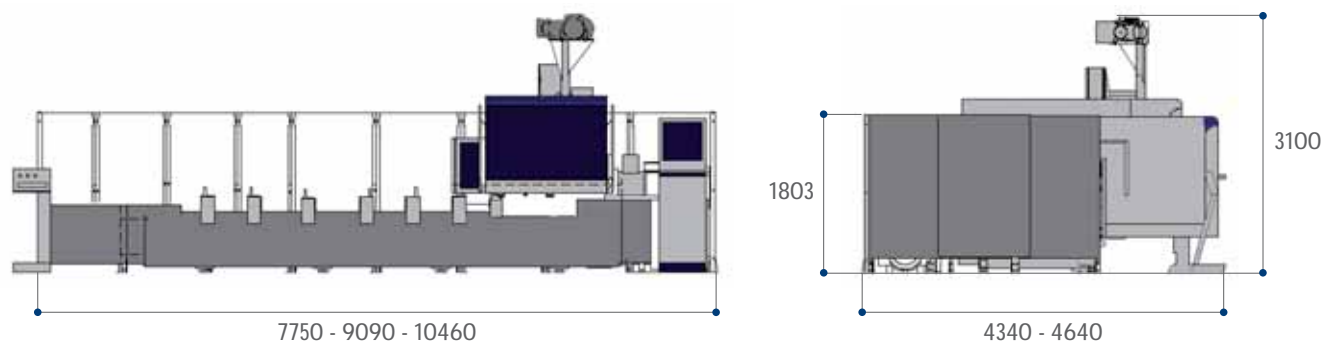
AUTHOR M400

Technical data

BARS TABLE WORK AREA		
X with all tools	mm	3650 - 5020 - 6360
Y with all tools	mm	1380 - 1680
Piece passage	mm	170
MULTI-PURPOSE TABLE WORK AREA		
X with all tools	mm	3650 - 4970 - 6170
Y with all tools	mm	1320 - 1600 - 1840 - 2120
Piece passage	mm	170
AXES		
Vector speed axes X-Y	m/min	85
ELECTROSPINDLE		
3 and 4 axes electrospindles power	kW	8,5 - 13
Max. rotation	RPM	24000
5-axes electrospindles power	kW	11
Max. rotation	RPM	24000
Rear tools magazine	No. stations	16/24
Lateral tools magazine	No. stations	10
DRILLING HEAD		
Independent spindles	n°	up to 50
Power.	kW	up to 4
Rotation	RPM	2000 - 8000 with inverter
INSTALLATION		
Extraction outlet diameter	mm	250
Air extraction speed	m/sec	25
Extraction air consumption	m ³ /hr	4400
Compressed air consumption	NL/min	170
Machine weight	Kg	6000 - 9000

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layout



The technical data may change based on the chosen composition. For illustration purposes certain photos show the machines complete with accessories. The technical data may be subject to changes without notice, the changes do not influence the safety required by the EC standards.

SINERT





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