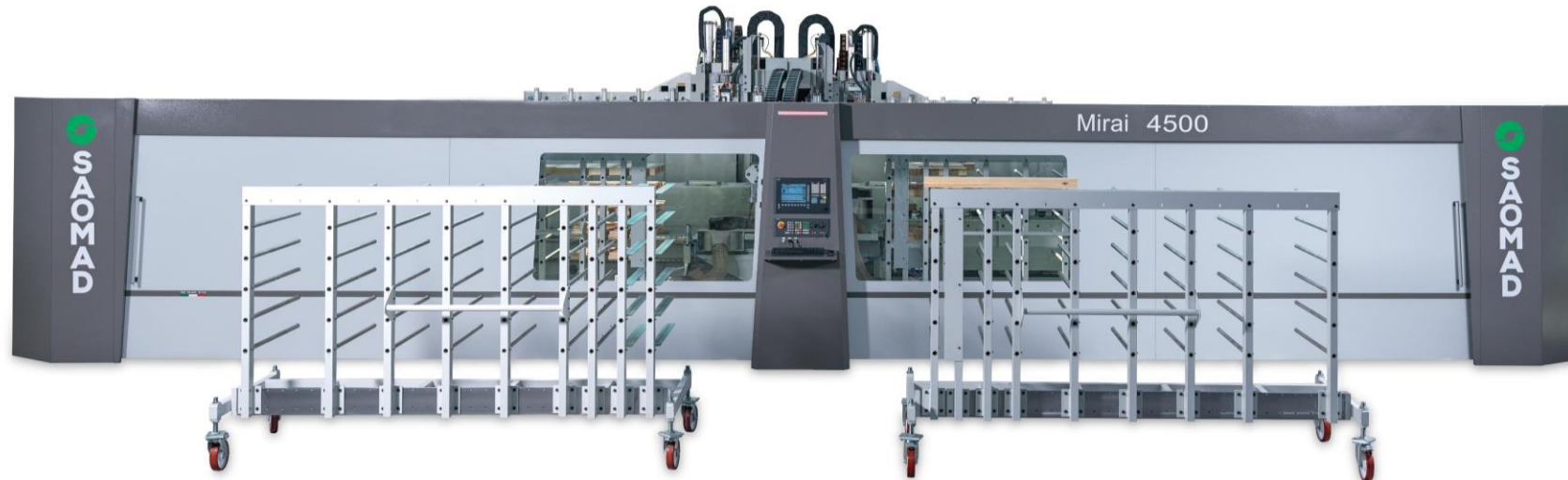


WOODPECKER MIRAI 4500

Made in Italy Woodworking machine



WOODPECKER MIRAI 4500 COMPOSITION

Standard composition

- N. 2 wood clamps unit with horizontal stroke
- N. 01 loading trolley- 60 pieces
- N. 01 unloading trolley- 60 pieces
- **UNIT 1:**
- N. 01 T5/D Birotary Head with A+C axes – 15 KW
- M3/U4 - Motor 5 KW – at 4 outlets for frontal and lateral drillings
- **UNIT 2:**
- N. 01 T1 Head Vertical Electrospindle 19 kW (without C-axis)
- M1 –Electrospindle 4 Kw – strip cutting

Loading of N. 1 piece L=4.500 mm max or N. 2 pieces with max length each L=2.100 mm



SIEMENS NUMERICAL CONTROL

Full-digital CNC with SIEMENS 840D SL numerical control, which combines all CNC, PLC and communication functions on a single multiprocessor board

- Basic macro graphics for elementary and advanced processing
- Input and output diagnostics
- Tool configurator (machine setup - tool editor)
- Possibility to define all tools freely (horizontal, vertical, inclined)
- Possibility to define the rotation speeds proper (limitations) of each individual tool (for tools belonging to the stock pantograph)
- Automatic execution of ISO programs (imported via ethernet network peripherals, USB key, etc.) or locally generated
- Import of DXF files also generated by CAD systems or commercial programs for the realization of wooden windows (optional)

And much more besides...



TECNICAL CHARACTERISTICS

Workpiece dimensions:

HEIGHT	MIN	MAX
	15 mm	160 mm
WIDTH	MIN	MAX
	30 mm	240 mm
LENGTH	MIN	MAX
	180 mm	4.500 mm
	(internal tenon)	

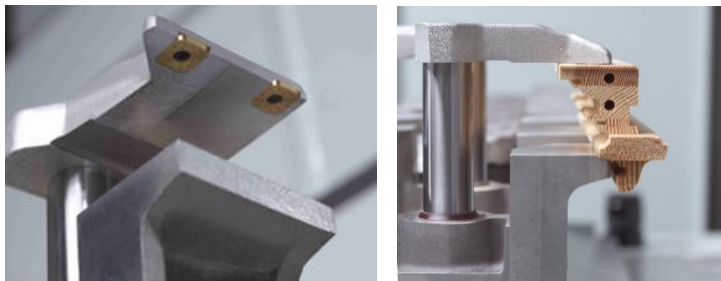


CLAMPS GROUP

The clamps group is composed of a carriage of n.11 pressers and an additional carriage of n.11 pressers, for a total of **22 pliers**, allows automated picking and an optimal sealing of the pieces to be processed.

It can be worked:

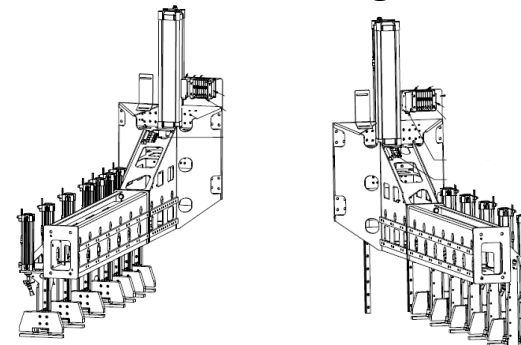
- a single piece of length 4.500 mm max without resumption
- 2 pieces at a time of max. length 2.100 mm each



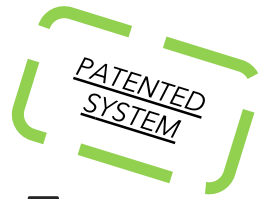
MANIPULATORS

The right manipulator takes one piece at a time from the loading trolley until the pieces are exhausted and places it in the respective work carts. Once the machining is done on the first side, the single piece is moved by the manipulator on the opposite side of the working carriage to perform the external machining.

At the end of the process, the left manipulator picks up the single finished piece and deposits it on the left unloading cart



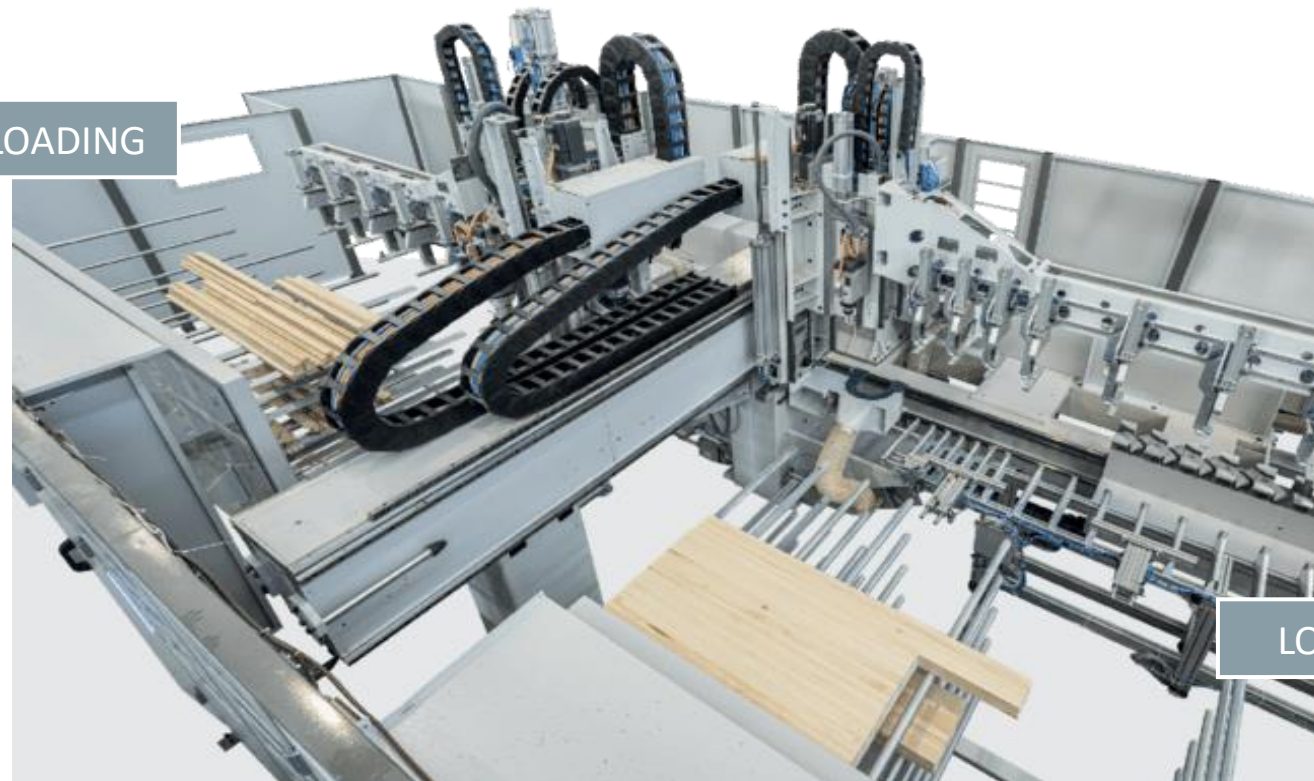
PATENTED SYSTEM FOR OPTIMUM WOOD HANDLING



N. 01 LOADING TROLLEY 60 PIECES –
Width/Height 80 mm

N. 01 unLOADING TROLLEY 60 PIECES –
Width/Height 80 mm

UNLOADING



LOADING

UNIT 1

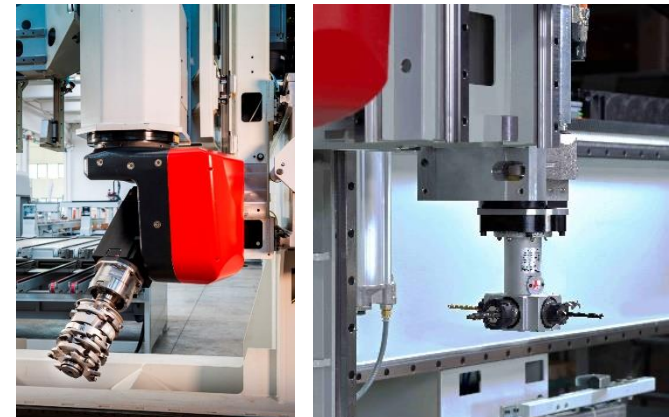
T5/D BIROTARY HEAD WITH 5 –AXIS SYSTEM AND A + C AXES – Motor power 15 KW

Fifth axis as positioning axis without interpolation of axes A and C.

- Motor power in S1 15 KW
- Motor power in S6 18 KW
- Rotation speed min. 6.000 rpm
 max. 24000 rpm
- Max tool diameter 180mm
- Max blade diameter 280mm
- Tool coupling HSK 63E
- Max tool weight 10 kg

M3-U4 AGGREGATE FOR FRONTAL AND LATERAL DRILLINGS

- Motor power 5 KW
- Max speed 12.000 rpm
 15.000 rpm
- Tool coupling ER 25



UNIT 2

T1 VERTICAL ELECTROSPINDLE (without C-axis)

- Motor power in S1 19 KW
- Motor power in S6 22 KW
- Rotation speed 15.000 rpm
- Max working diameter 270mm circa
- Tool coupling HSK 63E
- Max tool weight 15 kg

M1 ELETTROMANDRINO VERTICALE

- Motor power 4 KW
- Rotation speed 18.000 rpm
- Cutter diameter 20mm
- Tool coupling ER 32



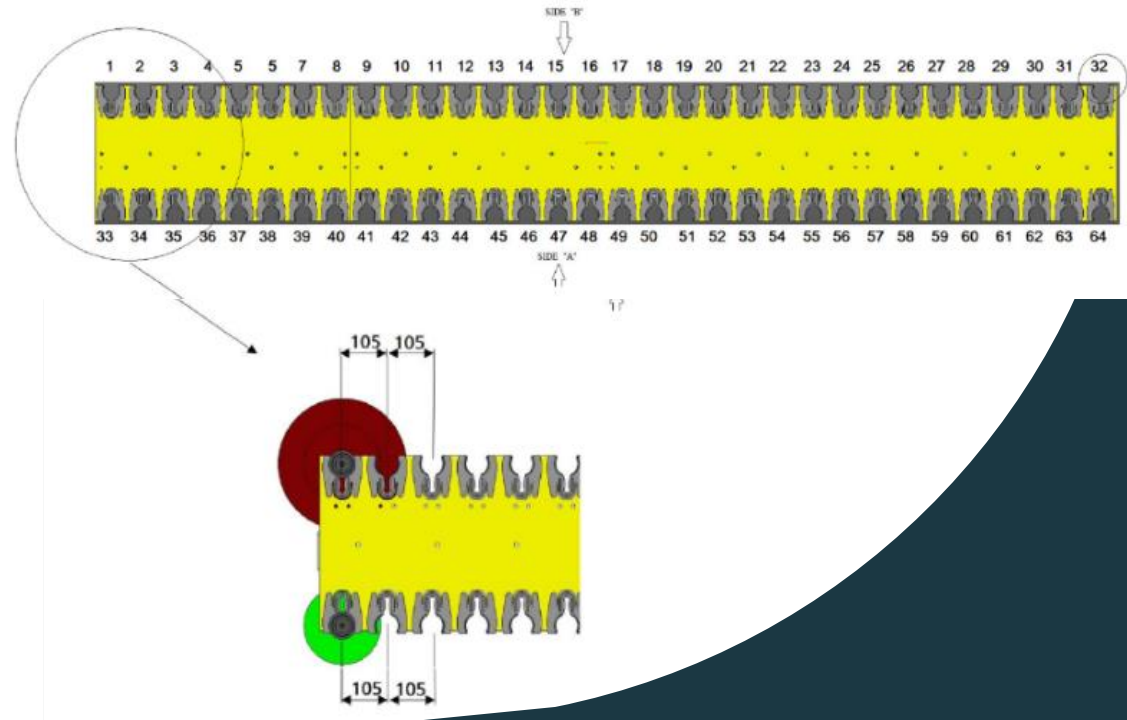
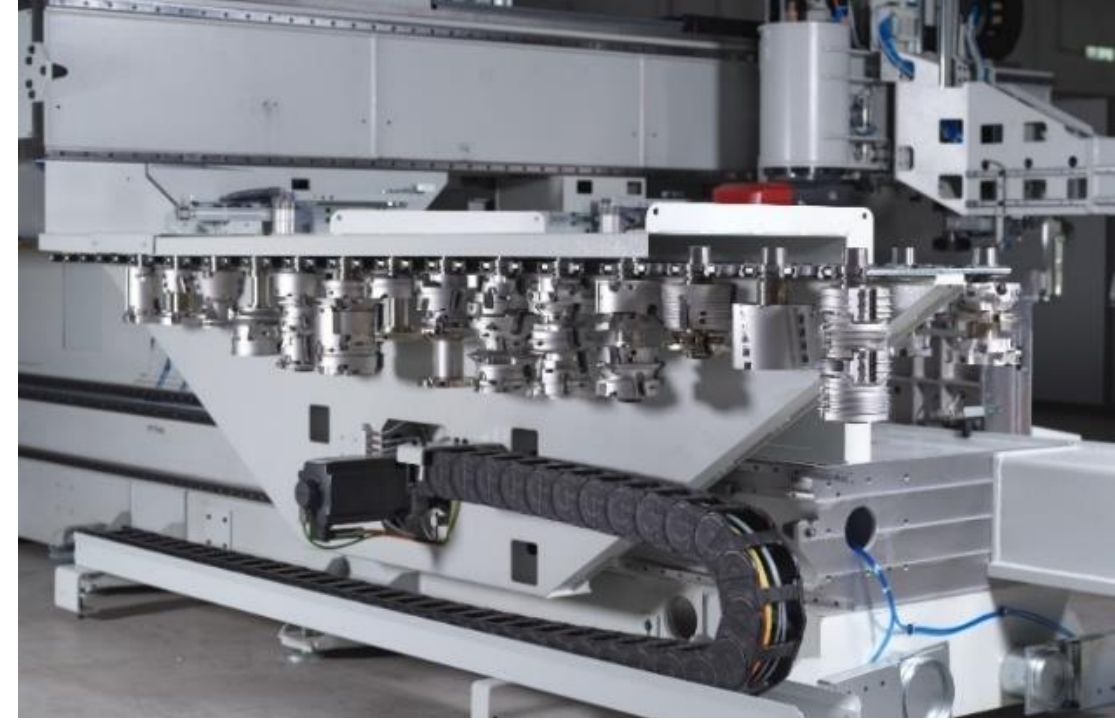
TOOL STORAGE

64 POSITION-interaxis 105mm

Tool magazine with 64 positions (distance 105mm), completely closed thanks to a damper that opens if necessary to carry out the tool change.

This reduces dirt and keeps tools clean.

Total tool weight 510 Kg.



SAOMAD

65^o
YEARS OF
INNOVATIVE
IDEAS

