

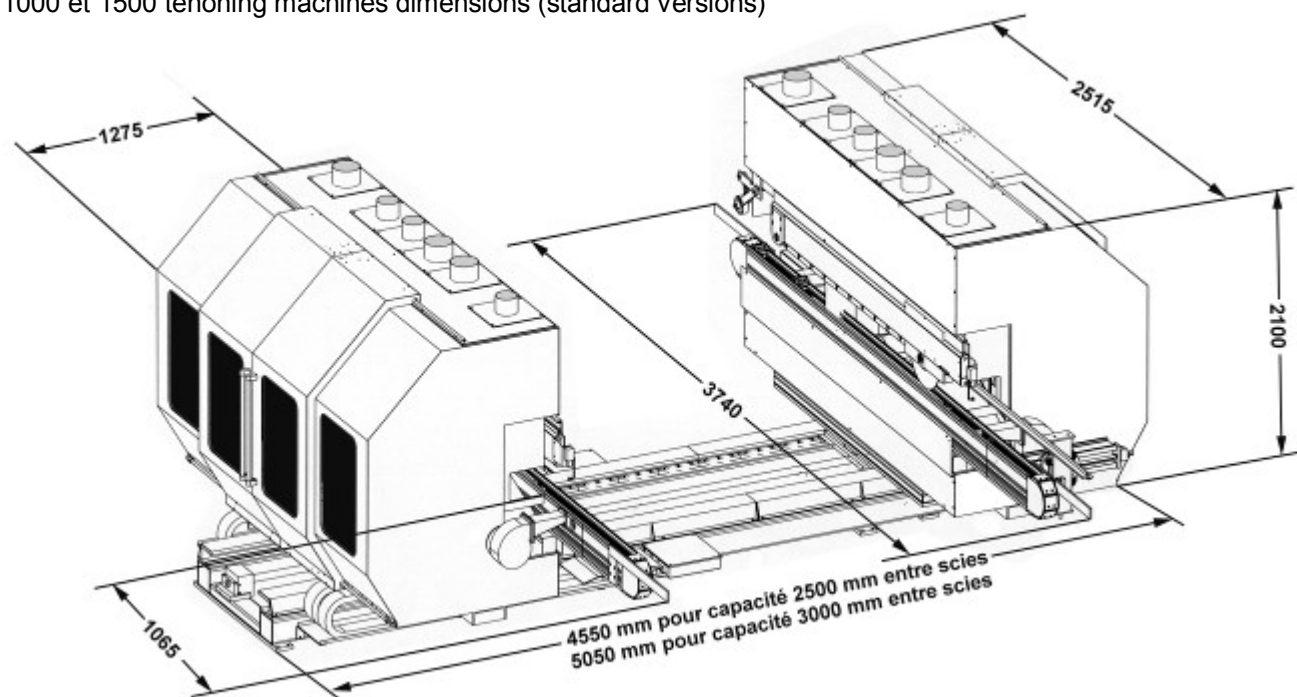
● GENERAL CHARACTERISTICS

- Chain advancement speed.....from 0 to 14 m/mn by default
- Electronic opening between the saws.....from 200 mm to 3000 mm at 10 m/mn
- Minimal length between the tenon leveling200 mm
- Pitch between 2 links80 mm
- Pitch between 2 screwed standard stoppers.....480 mm
- Length of the pneumatic pressers1800 mm by default
- Passage height under the pressersfrom 0 to 130 mm
- Air supply pressure6 bars
- Maximum diameter of the tools.....350 mm
- Protectionby sound-proof and dust-protection cabins
- Voltage380 volts three-phase
- Sound emission94 dB while charging - NFE 6410 and NFS 31069

● MAIN EQUIPMENTS

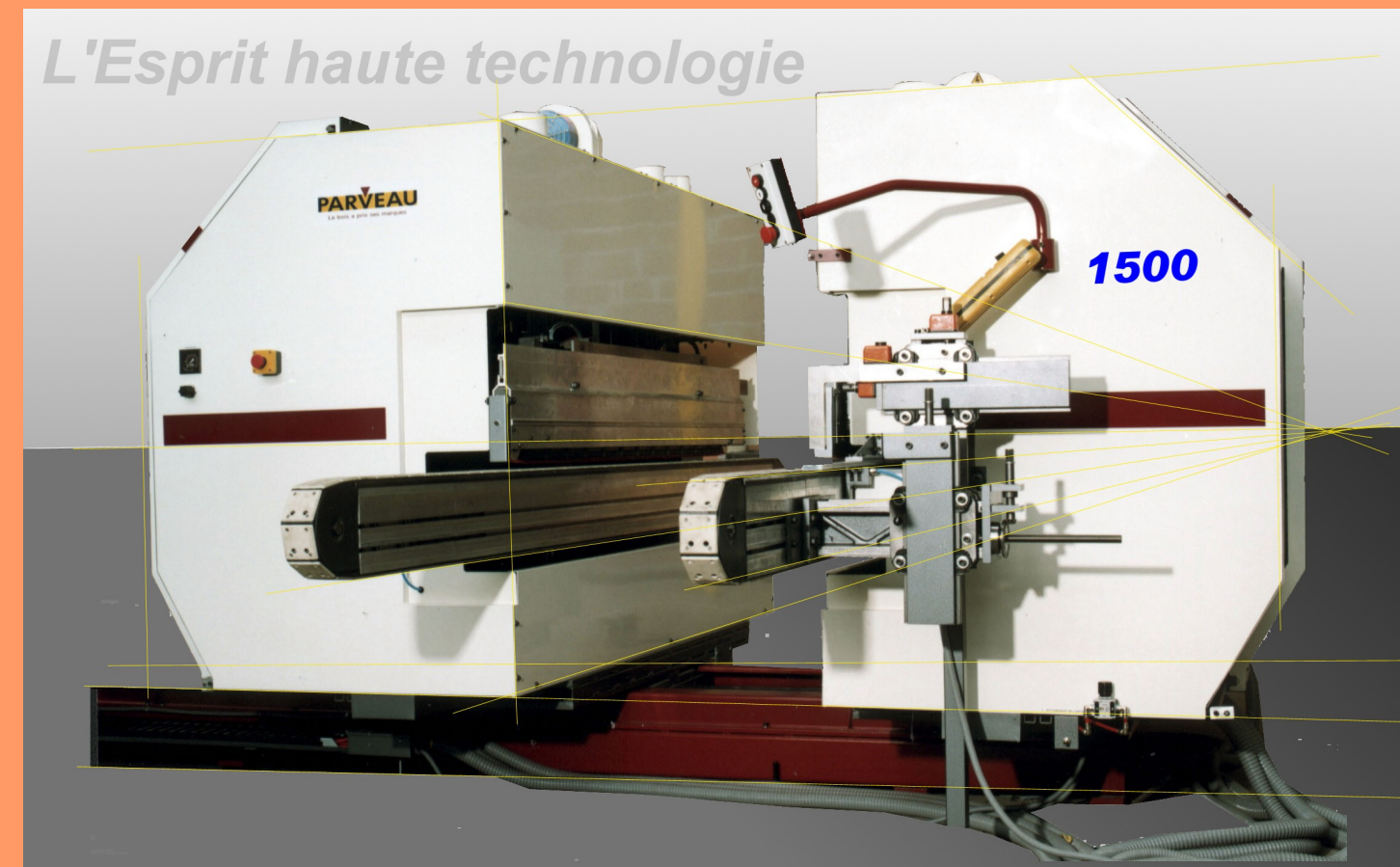
- Fixed or retractable incisors 1,1 Kw – 6000 rpm
- Cross-cut saws of 2,2 to 5,5 Kw – 3000 / 5500 / 7500 rpm
- Choppers
- Horizontal head tool-holders 2,2 Kw – 3000 rpm or 4 Kw – 6000 rpm
- Spindle : shaft lengths from 130 to 300 mm – Ø 50 mm – from 4 to 7,5 Kw - 3000 / 5500 / 7500 rpm
- Retractable spindles
- Spindle with digital control for shape machining
- Front and rear haunch heads
- Sander tool holder
- Above and below leveling tool-holders
- Angular movement of the tool holders by drive nut and worm system
- Retractable stoppers – Stoppers with splinter-proof system
- Removable splinter-proof system
- Automatic splinter-proof system on spindle
- Motorization of the belt pressers for calibration
- Digital axis with program memorization
- Chain advancement speed up to 30 m/mn
- Opening between the saws up to 6 m

1000 et 1500 tenoning machines dimensions (standard versions)



The data and technical features indicated in this document are prone to improvements or modifications and cannot engage our responsibility

Double-end tenoning and calibrating machines Series 1000 & 1500



**Double-end tenoning and
calibrating machines
1000 & 1500**
**A complete range of
machines, configurable at
will***



* according to options or study

PARVEAU
Profitable machining*

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● OUR FRAMES

Our frames are made of welded modular structures, with 2, 3 or 4 cast iron columns, bearing the tool holders. These are studied depending on your specifications.

- Welded columns 250 x 160 mm*
- Prismatic rail guidance with recyclable roller casings*
- Movement screw with acme thread, Ø 20 mm with a pitch of 4 mm

*for 1500 model only



Structure of a spindle tool-holder



Set-up of the tool-holders on a column



View of all the tool-holders of a machine

● OUR ADVANCEMENT CHAINS

Our advancement chains are most innovating : the drive of the links is carried out with the nut & screw system. Each link is pushed individually, which means that there's no effort between two links. This principle guarantees a high degree of accuracy when machining, during the most difficult operations such as making small wood floor parts.

The advancing of each chain is managed by CNC motors. Squaring is done automatically.

It is possible to work in 3 modes :

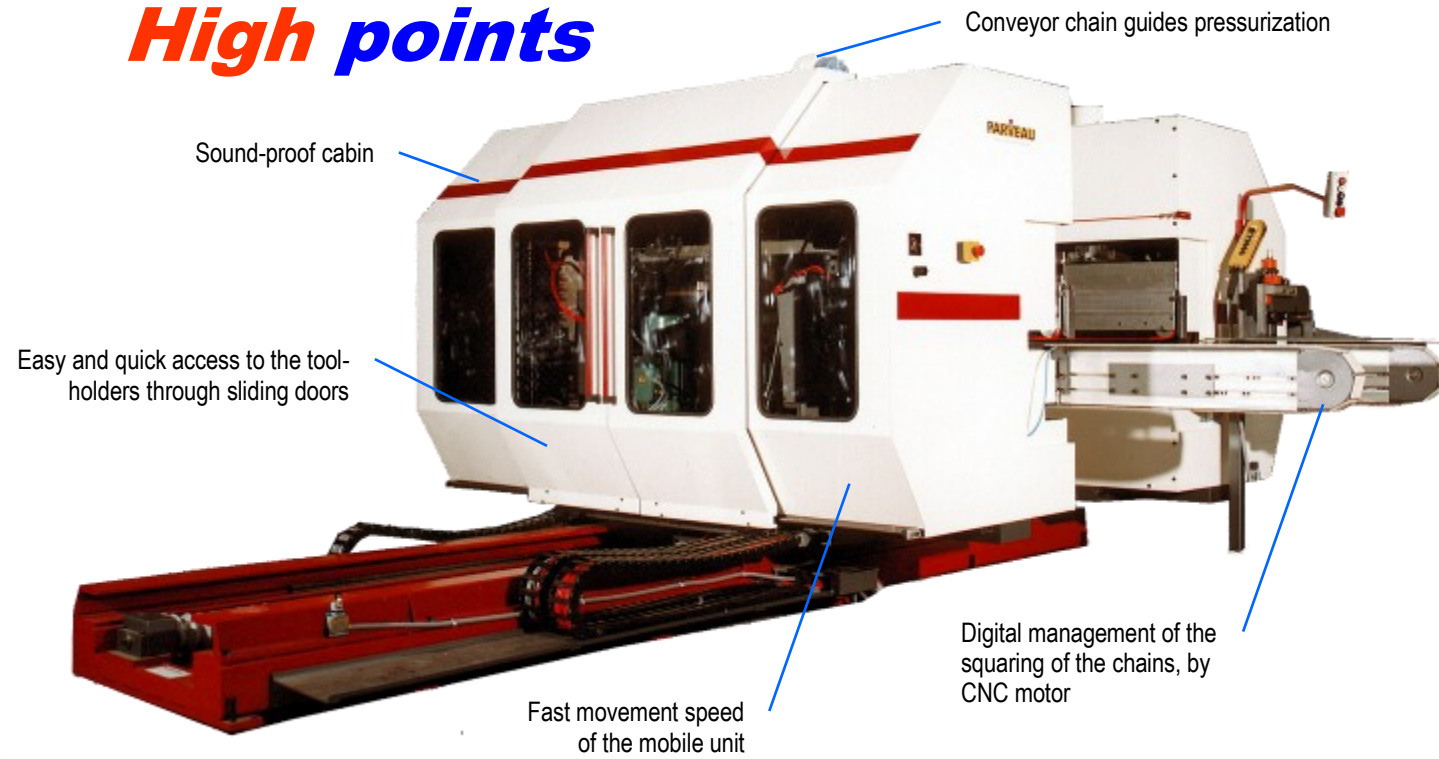
- Continuous advancement mode (regular work of tenoning or calibrating).
- Step by step mode (drilling, haunches, axle insertion).
- Delay mode (consists in setting a delay between the 2 chains in order to make angle cuts, like wood floor miter cut).

In order to reduce maintenance, the chain guiding systems are lubricated automatically and pressurized by air blowers to keep them dust-free.



View of the chain links conveying system

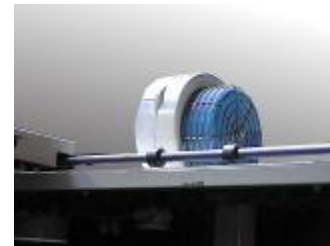
High points



View of the reference detector and a conveyor chain with a Standard stopper



Pressurization blower for the chain guiding systems



Entrance guide, manually adjustable by mechanical counters



Adjustment of an axis by mechanical counter, with a precision of 1/10th of a millimeter



● TOOL HOLDERS

PARVEAU proposes a large number of tool holders and options : incisors, saws, horizontal heads, spindles, automatic splinter-proof system, return system of the machined pieces to the operator, entrance guides, long shaft spindles 3000 & 6000 rpm, in-line haunch heads, etc ...



Spindle with automatic splinter-proof system



In-line haunch head

● MACHINING LINES

PARVEAU develops for you complete machining lines : Calibrating line for flush doors, calibrating line for polyurethane foam or rockwool foam, machining line for slots and lips, for wooden floor parts production, etc ...

Each line is developed depending on your needs and according to a book of specifications that we elaborate together.



Calibrating line for rockwool panels



Calibrating line for flush doors



Calibrating line for polyurethane panels

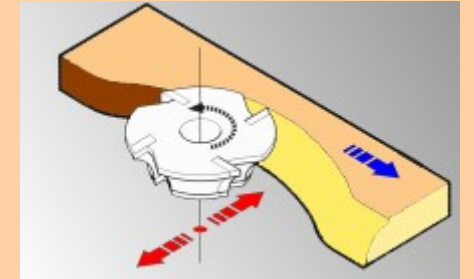
● MOTORIZED & DIGITALIZED SYSTEMS

According to your needs, we can offer you an entire range of motorized and digitalized systems :

- Electrical positioning of the tool-holders by joystick (slow / fast movement) with digital display.
- Multi-axis control driven by a PC
- Digital control with axis interpolation for shape machining.



Multi-axis control, managed by PC



Machining of a perfect round shape by axis interpolation



Windows axis drive system



Spindle digitalization with CNC motors

All the tool-holders are confined in sound-proof and dust-proof cabins