

UNIT TYPE

Characteristics	Alternax mortising	Single chisel mortising
Lenght	26 to 78 mm	20 to 110 mm
Thickness	2,2 to 29 mm	2 to 29 mm
Maximum deepness	85 mm	110 mm
Advantages	Flat, impeccable bottom	Robustness Fast operationg Easy adjusting

TECHNICAL CHARACTERISTICS

Frame	Cast iron
Table	Fixed, aluminium
Tightening and loosening of the parts	Pneumatic
Electrical motor power / speed	1,1 kW / 3000 t/mn
Wood piece width capacity	de 30 à 150 mn
Wood piece thickness capacity	de 15 à 80 mn
Aspiration	1 port Ø 80 mm
Supply pressure	6 bars
Supply voltage	380 three-phases volts

	100 - 500	151 - 551	149 - 549	190 - 590
Parts supply	Manual	Manual	Automatic, by storage	Automatic, by storage
Part positionning	Manual	Manual	Automatic by 7 pre-adjustable stops and conveyor belt	With numeric control stop and conveyor belt
Mortisig head advance-ment	Manual	Semi-automatic	Automatic	Automatic
Lenght capacity min/max	unlimited	unlimited	300 to 2200 mm	300 to 2300 mm
Size (L x l x h)	1180 x 1000 x 1320 mm	1180 x 1150 x 1320 mm	4100 x 1350 x 1500 mm	6700 x 2100 x 1500 mm
Weight	270 kg	305 kg	600 kg	800 kg

ALTERNAX TOOLS

Tool series	Minimal lenght	Maximal lenght	Maximal deepness	Central tools lenght	Lateral tols lenght
0	26 mm	40 mm	20 mm	84 mm	37 mm
1	26 mm	70 mm	40 mm	104 mm	57 mm
2	35 mm	80 mm	60 mm	124 mm	77 mm
3	45 mm	80 mm	85 mm	149 mm	102 mm

We constantly have in stock tools for 2,2 mm to 29 mm thick mortisers for the 4 series.

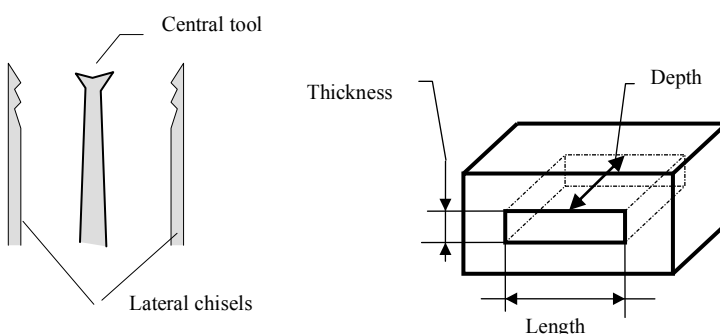
COMPLEMENTARY EQUIPMENT

- Mortise positioning ruler (models 100, 151, 500, 551)
- Right or left thrust block (models 100, 151, 500, 551)
- Pneumatic positioning with 2 positions for superimposed mortisers (maximum range 80 mm)
- Extra electrical thrust block (models 149 et 549)
- Superior machining capacities (contact us)
- 3 depths mortise system (models 149 et 549)
- Tool sharpener for Alternax (model 260)

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

MODEL

	Alternax unit	Single chisel unit
Manual	Model 100	Model 500
Semi-Automatic	Model 151	Model 551
Automatic	Model 149	Model 549
Numeric	Model 190	Model 590



Alternax mortising machine series 100 and single horizontal chisel series 500



Semi-automatic mortiser

Since more than 50 years, the PARVEAU company proposes a complete range of mortising machines, as well for the craftsman as for the industrialist, joineries or cabinetworks.



PARVEAU
Profitable machining*

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UNIT TYPES

PARVEAU proposes 2 types of mortisers, depending on your requirements :

- Alternax
- Single chisel

ALTERNAX 100 SERIES : SMOOTH AND CLEAN...

The patented Alternax principle was proven reliable in the whole world for more than 5 decades. It's based on the simultaneous work of 3 tools : a central oscillating chisel and 2 lateral knives.

The Alternax mortising machine makes : mortises, shouldering, brace joints, notches with incredible precision and smoothness. Useful for machining slots for locks, hinges, turning pins in doors. Essential to furniture manufacturers, it machines simple or multiple brace joints various notches, perpendicular or sideways, square assembling, oblique mortises etc...

The Alternax is advised for work requesting no splinters, and flat bottom mortises. The Alternax can reveal itself efficient with very hard, tender, or easily splitting wood (ex. Red Cedar).



Universal tool carrier with chisel

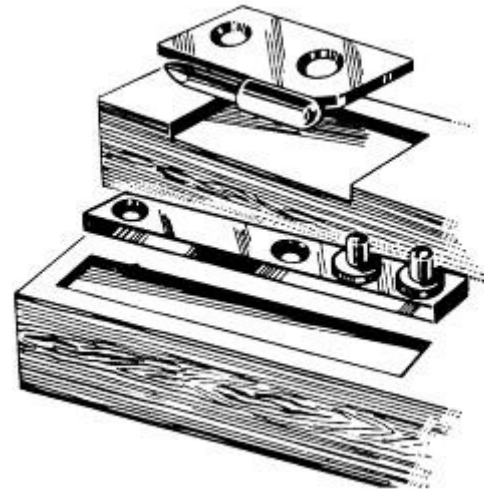
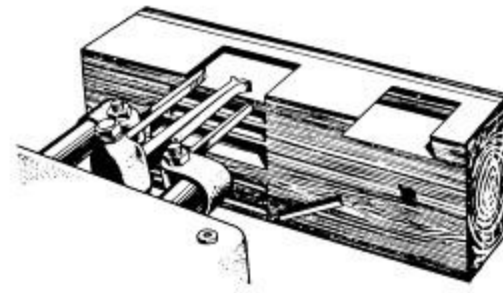
MODELS

PARVEAU offers 4 mortising machine models, depending on your production rate :

- Manual mortising machines Réf. 100 and 500
- Semi-automatic mortisers Réf. 151 and 551
- Automatic mortisers Réf. 149 and 549
- Numeric control mortisers Réf. 190 and 590



Manual mortiser



SINGLE CHISEL 500 SERIES : ROBUSTNESS AND EFFICIENCY

Designed mainly for joinery, the single chisel mortiser reveals itself more robust in knotty or resinous wood types. Easy to adjust, it can make mortises up to 110 mm deep. Our mortisers are delivered with a universal tool-holder that allows to mount tools on any mortiser brand !

Manual mortisers Réf. 100 and 500

These machines are composed of a rigid aluminium table and a pneumatic presser. The advancing of the machining head is made manually, thanks to a lever. They're destined to small series.

Semi-automatic mortisers Réf. 151 and 551

These machines are composed of a rigid aluminium table and a pneumatic presser. The advancement of the machining head is automatic thanks to a hydraulic ram. The cycle launch can be made via a button or a pedal. They're destined to small and medium series.



Automatic mortising machine

Numeric control mortisers Réf. 190 and 590

Joining production performance, precision and a minimal adjustment time, our numeric control mortising machines allow the initiation of a complete fabrication program, by coordinating simultaneously up to 3 axis (part positioning, mortise deepness, mortise height). The programming is simple thanks to the conversational language. Its computer allows manual programming, via barcode or CAD/CAM. They're composed of a storage and feeding device, a conveyor belt, and a digitalized stop.



Numeric control mortiser



Single chisel mortising unit



Alternax mortising unit



Ascending and descending system of the unit by a lever and mechanical numeric counter



Alternax tool sharpener



Special 2 unit mortiser



Special mortiser for square cutting