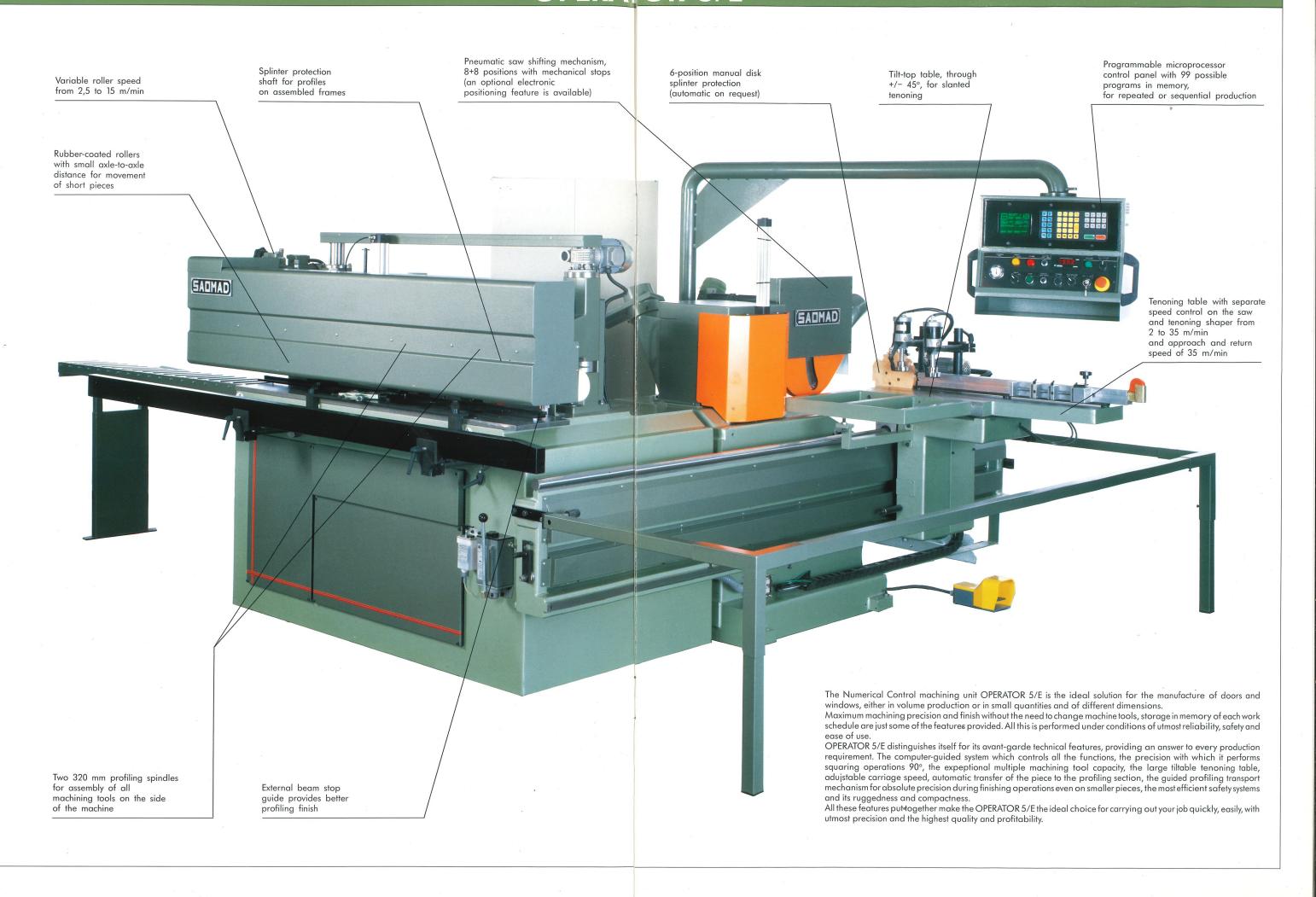
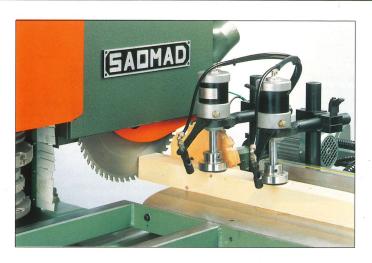
# NUMERICAL CONTROL DOOR AND WINDOW PRODUCTION UNIT



SA@MAD





#### SAWING

Horizontal positioning of the saw by means of a revolver mechanism, with 8 forward and 8 reverse positions, determining the tenoning length.

Optional continuous motor-driven saw axle positioning

mechanism.

During machining operations, the safety shield is drawn back to uncover the saw blade.



#### **TENONING**

Worm screw tenoning shaft, with multiple tool capacity for tenoning operations.

Maximum diameter of tools: 350 mm.

The tools are shielded by a safety guard which opens automatically, to dampen noise and for a better dust suction.



#### **PROFILING**

From the tenoning process the piece is automatically transferred to the profiling section by means of the first two automatic trailing rollers.



### INCLINED SAWING AND TENONING OPERATIONS

Slanted tenonings can be done by tilting the table up to  $\pm /-45^{\circ}$ , in order to avoid repositioning the pistons and the aluminium guide and to be able to make greater use of the work plane, bringing about a consequent saving of time during machining operations.

### **OPERATOR 5/E**



#### **SQUARING** ON THE TENONING EDGE

Squaring operations performed on the wing between uprights and crossbeams needs only two passes to produce a perfect right angle 90°.

### MOULDING OPERATIONS ON PROFILING MACHINE

Automatic entry of the wing into the profiling unit for moulding operations. Splinter protection device for moulding operations on profiling edge by right-hand rotation of the first shaft, with timer control.

#### AUTOMATIC CONTINUOUS SQUARING AND MOULDING PROCESSES







#### LOCATION STOP

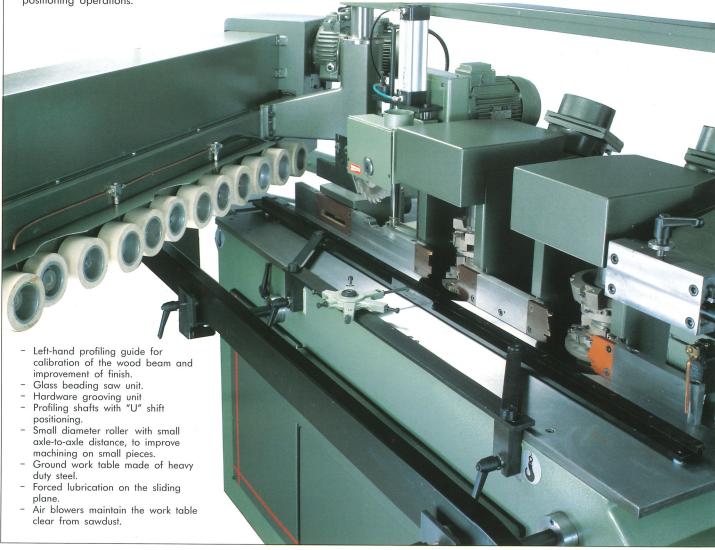
### NUMERICAL CONTROL (optional)

The stop position, which is controlled by the computer, allows batch or sequence machining to be carried out, after having pre-determined the case and wing dimensions. This substitutes manual wood stop positioning operations.

#### PIECE RETURN CHUTE

#### Drop chute.

Eliminates the need for an Operator at the output end of the machine. The machine is closed on the rear end, in order to prevent chips and sawdust from entering into the mechanisms in motion.



### OPERATOR 5/E



#### CONTROL PANEL

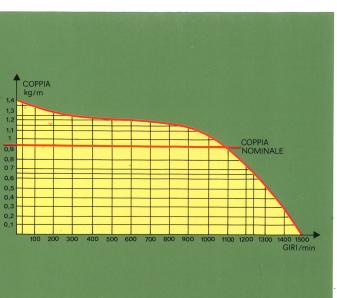
Programmable microprocessor-based control panel with 99 possible programs storable in memory.

Possibility to run batch or sequence machining operations. Easy-to-learn programming sequences.

A program which determines the dimensions from the case to

the wing is also available upon request.

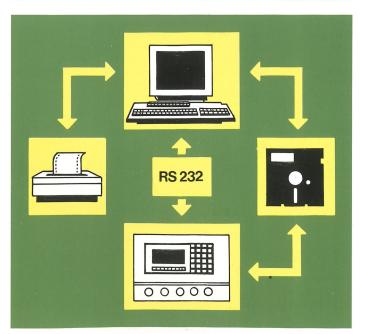
The control unit is capable of communicating with all remote machinery by means of an RS 232 serial interface.



#### MOTOR

Driven by a constant torque d.c. motor. Regulation of motor speed varies the table traverse velocity, maintaining a constant travel force.

MAXIMUM TORQUE OF MONOPHASE 2-HP 4-POLE MOTOR



#### A MODERN WORKING CENTER

OPERATOR 5/E has been designed as an open system, providing the capability to communicate with other computerised units within a modern and efficent company environment.

The unit is equipped with an RS 232 serial interface port which allows exchange of data with a personal computer, in order to

transmit production schedules referring to form, dimension, number of pieces and types of doors and windows, as well as automatic positioning of the saw through numerical control and of the wood stop.

#### **TECHNICAL FEATURES**

Length       320         Rotation speed       3.6         Motor power       7.5         Maximum tool ∅       350         Profiling spindle       Spindles         Spindles       No         Shaft ∅       50         Length       320         Rotation speed       6.0         Motor power       7.5         Maximum tool ∅       240         Tool rod ∅       110         Left/right rotating splinterproof spindle       No         Glass beading saw unit       30         Saw ∅       200         Shaft ∅       30         Rotation speed       6.00         Motor power       3 h         Horizontal saw traverse       50         Roller feed       Motor power         Continuous roller speed regulation       2,5         Roller Ø       120         Roller axle-to-axle distance       120         Roller axle-to-axle distance       120         Rollers       No	4 (kW 3) 00 r.p.m. 0 mm. (max. 450) 5 mm. (max 145) mm. 0 mm. . 8+8
Spindles         No           Shaft Ø         50           Length         320           Rotation speed         6.0           Motor power         7,5           Maximum tool Ø         240           Tool rod Ø         110           Left/right rotating splinterproof spindle         No           Glass beading saw unit         200           Shaft Ø         200           Shaft Ø         30           Rotation speed         6.00           Motor power         3 h           Horizontal saw traverse         50           Roller feed         Motor power         1 h           Continuous roller speed regulation         2,5           Roller Ø         120           Roller axle-to-axle distance         130           Rollers         No.	. 1 mm. 0 mm. 00 r.p.m. HP (5,5 kW) 0 mm. (380)
Saw Ø       200         Shaft Ø       30         Rotation speed       6.00         Motor power       3 H         Horizontal saw traverse       50         Roller feed       Motor power         Continuous roller speed regulation       2,5         Roller Ø       120         Roller axle-to-axle distance       130         Rollers       No.	mm. 0 mm. 00 r.p.m. HP (5,5 kW) 0 mm. -140 mm.
Motor power         1 F           Continuous roller speed regulation         2,5           Roller Ø         120           Roller axle-to-axle distance         130           Rollers         No.	0 mm. mm. 00 r.p.m. HP mm.
	HP (0,75 kW) -15 m/min. 0 mm. 0 mm. . 16 40 Kg./cm <sup>2</sup>
Profiling side         2.80           Height         2.10	00 mm. 00 mm. 00 mm. 00 Kg.

OPTIONAL ACCESSORIES			
Hardware grooving unit Tool Ø Shaft Ø Length Motor power Shaft rotation speed Horizontal tool traverse Displacement of pneumatic vertical positioning device for 2-position traverse shaft	180 mm. 40 mm. 80 mm. 4 HP (3 kW) 6.000 r.p.m. 40 mm.	Return conveyor Uprated motor Self-braking motors 8-position motor-driven splinter protection Motor-driven lifting unit Continuous saw axle position regulation Digital display for table inclination reading Control unit with communication capabilities units by RS 232 serial interface. Aluminium guide tiltable +/- 60°	to external

The manufacturer reserves the right to make all changes necessary in order to improve its products.



MACCHINE PER LA LAVORAZIONE DEL LEGNO

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