

# FRET-SAW-MACHINES VARISPEED "P"

**VS 55/P - VS 85/P - VS 115/P - VS 150/P - VS 190/P**



COLOMBO FILIPPETTI SPA

- **AUTOMATIC BLADE COUPLING**
- HIGH WORKING STANDARDS AND SILENCE (55DECIBEL)
- NO VIBRATION
- EXCELLENT PRECISION OF CUT
- HIGH EFFICIENCY EVEN WITH CAPILLARY
- HIGH CUTTING DEPTH
- EASY MAINTENANCE
  
- (\*) VARIABLE SPEED REGULATION
- (\*) PEDAL OPERATED
- (\*) PRECISE TILTING WORKING TABLE

## COLLABORATIVE ENGINEERING

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# FRET-SAW-MACHINES

## VS 55/P - VS 85/P - VS 115/P - VS 150/P - VS 190/P

The VariSpeed fret-saw-machine is highly professional and versatile, and offers high performance and excellent precision cutting.

The up/down **PNEUMATIC COMAND** of the top clamp and **THE AUTOMATIC BLADE GRIP** of the bottom clamp, allow good reduction of working time.

An important advantage offered by the pneumatic system, that makes VariSpeed type "P" the most complete in its category, is that it allows an **ELEVATED OUTLET OF THE BLADE IN RESPECT TO THE WORK PLANE** and to the piece being worked, therefore allowing rapid working of the piece, even when thickness is elevated.

VariSpeed is especially suitable for fine inlay work and marquetry, and is capable of satisfying the many requirements, either straight or finely shaped angle fretworks.

It can easily be used on wood, plywood, plastics and light alloys in the various sectors: artistic, workmanship, modelling, bricolage and furniture woodwork.

The outlet of the blade in respect to the work plane is fundamental for hollow punch fretwork the flat dies in the paper and cardboard industry.

Conformity with European Directives (CE Certification), and a combination of easy use and low maintenance ensure safety, it is also **EXTREMELY SILENT** these factors make this machine particularly reliable both to professionals and amateurs, as to technical and professional schools.

An important safety quality is the **IMMEDIATE STOP OF THE UPPER ROD INCASE THE BLADE BRAKES**.

The simple and functional kinematics motion, coupled with a sturdy and completely adjustable machine structure allow the elimination of any vibration and noise for **HIGH WORKING LEVEL ALSO WITH CAPILLARY BLADES**.

**BLADE TENSION EASILY REGULATED** even with machine working.

### OPTIONAL:

**ON REQUEST, the machine can be supplied with AN ELECTRONIC SPEED VARIATOR, manuel operated or by PEDAL POTENIOMETER.**

A wide and sturdy wortable allows millimetre **TILTING INCLINATION UP TO 45°**

**THE MAX. BLADE OUTLET IN RESPECT TO THE WORK PLANE IS 40mm FOR INTERNAL CUTTING (useful space between the table and the blade)**



| TECHNICAL FEATURE   | VS-55/P  | VS-85/P  | VS-115/P   | VS-150/P   | VS-190/P   |
|---|--|--|--|--|--|
| ARM-SPAN  | 550 mm   | 850 mm   | 1150 mm  | 1500 mm  | 1900 mm  |
| CUTTING SPEED   | 1500 rpm / fixed<br>0÷1500 rpm<br>(variable speed)             | 1500 rpm / fixed<br>0÷1500 rpm<br>(variable speed)             | 1500 rpm / fixed<br>0÷1500 rpm<br>(variable speed)             | 1500 rpm / fixed<br>0÷1500 rpm<br>(variable speed)             | 1500 rpm / fixed<br>0÷1500 rpm<br>(variable speed)             |
| CUTTING DEPTH<br>With table mm 600x600  | 40mm / internal<br>70mm / external adge<br>(only blade 150 mm) | 40mm / internal<br>70mm / external adge<br>(only blade 150 mm) | 40mm / internal<br>70mm / external adge<br>(only blade 150 mm) | 40mm / internal<br>70mm / external adge<br>(only blade 160 mm) | 40mm / internal<br>70mm / external adge<br>(only blade 160 mm) |
| Important!<br>MAX. ELEVATION OF<br>THE BLADE RESPECT<br>THE WORKING TABLE       | 40 mm (MAX.)<br>(for internal cutting)                         | 40 mm (MAX.)<br>(for internal cutting)                         | 40 mm (MAX.)<br>(for internal cutting)                         | 40 mm (MAX.)<br>(for interna cutting)                          | 40 mm (MAX.)<br>(for internal cutting)                         |
| CUTTING DEPTH<br>With table mm 1000x1700  | ---  | ---  | ---  | 55mm / internal<br>75mm / external edge<br>(only blade 160 mm) | 55mm / internal<br>75mm / external edge<br>(only blade 160 mm) |
| WORKING STROKE  | 23 mm  | 23 mm  | 23 mm  | 23 mm  | 23 mm  |
| MOTOR POWER   | 0,55 KW  | 0,55 KW  | 0,55 KW  | 0,55 KW  | 0,55 KW  |
| • Fixed speed<br>• Variable speed   |  |  |  |  |  |
| ELECTRIC IMPUT<br>VOLTAGE (standard)  | V380-3 PH-50 Hz<br>V220-1 PH-50 Hz                             | V380-3 PH-50 Hz<br>V220-1 PH-50 Hz                             | V380-3 PH-50 Hz<br>V220-1 PH-50 Hz                             | V380-3 PH-50 Hz<br>V220-1 PH-50 Hz                             | V380-3 PH-50 Hz<br>V220-1 PH-50 Hz                             |
| PNEUMATIC SUPPLY  | 8 bar  | 8 bar  | 8 bar  | 8 bar  | 8 bar  |
| WORKING TABLE   | 600 x 600 mm   | 600 x 600 mm   | 600 x 600 mm   | 600 x 600 mm<br>1000x1700 mm<br>(by request)                   | 600 x 600 mm<br>1000x1700 mm<br>(by request)                   |
| <b>OPTIONAL:</b>  |  |  |  |  |  |
| ELECTRONIC SPEED<br>VARIATOR (V220)<br>(V220-1 PH-50 Hz)                        | from 0 ÷ 1500 rpm  | from 0 ÷ 1500 rpm  | from 0 ÷ 1500 rpm  | from 0 ÷ 1500 rpm  | from 0 ÷ 1500 rpm  |
| PEDAL<br>POTENTIOMETER  | from 0 ÷ 1500 rpm<br>(only electronic speed<br>variator V220)  | from 0 ÷ 1500 rpm<br>(only electronic speed<br>variator V220)  | from 0 ÷ 1500 rpm<br>(only electronic speed<br>variator V220)  | from 0 ÷ 1500 rpm<br>(only electronic speed<br>variator V220)  | from 0 ÷ 1500 rpm<br>(only electronic speed<br>variator V220)  |
| ELECTRONIC SPEED<br>VARIATOR (V380)<br>(V380-3 PH-50 Hz)<br>+PEDAL (Start/Stop) | from 0 ÷ 1500 rpm  | from 0 ÷ 1500 rpm  | from 0 ÷ 1500 rpm  | from 0 ÷ 1500 rpm  | from 0 ÷ 1500 rpm  |
| TILTING TABLE   | 45°<br>(only table 600x600)                                    | 45°<br>(only table 600x600)                                    | 45°<br>(only table 600x600)                                    | 45°<br>(only table 600x600)                                    | 45°<br>(only table 600x600)                                    |
| OVERALL DIMENSIONS<br>OVERALL DIMENSIONS<br>(with crate)                        | cm. 118x61x172 h<br>cm. 128x70x188 h                           | cm. 140x61x172 h<br>cm. 150x70x188 h                           | cm. 175x61x172 h<br>cm. 193x70x188 h                           | cm. 207x100x173 h<br>cm. 217x110x188 h                         | cm. 247x100x173 h<br>cm. 257x110x188 h                         |
| NET WEIGHT  | kg. 140  | kg. 150  | kg. 160  | kg. 360  | kg. 410  |
| GROSS WEIGHT<br>(with light type crate)   | kg.170   | kg.190   | kg.210   | kg.450   | kg.520   |
| (with heavy type crate)   | kg.230   | kg.250   | kg.270   | kg.550   | kg.620   |