



VELA

SEMI-AUTOMATIC EDGING AND
BEVELLING MACHINE FOR
SHAPED GLASSES

VELA

CATEGORY: Semiautomatic machine

VELA grinds the bevel and the edge on shaped glass with internal curves, external curves, straight-line sides and mitred corners.

DETAILS: the machine has a central plateau to support the glass which can rotate also in reverse drive. (No template required). Glass is fixed by a vacuum system. A pneumatic cylinder allows to work some glass shapes in automatic mode. Bevel angle, from 0° to 45°, is adjustable.

Bevel is grinded by cup wheels (150 mm) and polished by felt and nebulized cerium oxide.

Edge is grinded by peripheral wheels (100 mm). It is possible to stack up to three diamond wheels and one polishing wheel on the spindle. VELA machine is equipped with: 1 template with sucker \varnothing 500 mm with five adjustable arms, 1 template with sucker with \varnothing 200 mm and 1 rotating mini-plateau with sucker \varnothing 100 mm and a cerium oxide spraying unit.

VELA series machines are available in two versions:

- **VELA ES:** electric motor, 4 HP spindle power, two rotation speeds (1400 and 2800 rpm) and mechanical adjustment stop device for wheels' positioning (8 positions). On request: the machine can be equipped with 3 HP spindle power and electric motor with continuous variation speed;
- **VELA EES:** electric motor, 3 HP spindle power, wheel rotation speed from 800 to 3600 rpm and electronic adjustment system for wheels' positioning (99 positions).

CUSTOMIZATION:

- the machine can be produced just for edge grinding and polishing (VELA F)



TECHNICAL DATA

Glass size for standard machine	from 340 to 2200 mm for bevel from 210 to 2200 mm for edge
Min glass size for machine with mini-plateau	170 mm for bevel 100 mm for edge
Glass thickness	from 3 to 25 mm
Bevel width	from 5 to 40 mm
Bevel angle	from 0° to 45°
Plateau rotation speed	variable in both direction from 0 to 4 rpm

