



Point Grooving

AUTOMATIC CNC GROOVING MACHINE -- Grooving machine with through feed panel, working from the bottom and automatic panel return to the operator or to the back side.

CHARACTERISTICS

- Four controlled axes:
 - X Axis - Panel movement with 2 dynamic clamps
 - Y Axis - Grooving head movement with pinion and precision rack
 - Z Axis - Movement with screw at spherical recirculation
 - Newly-patented, high rigidity operating unit movement on Y and Z axis
- 1 removable and interchangeable shaft for saw blades and presetting with rapid HSK lock
- Positioning axes:
 - X axis - 2 clamps with dynamic movement with brushless motors and reducer
 - Y axis - brushless motor with epicycloidal reducer
- No limit in panel length
- High productivity and flexibility
- Simple programming
- Control: full parametric
- PC to support optimization programs with high speed
- Software dedicated for programming and optimization of the drilling
- Monitor LCD TFT 19" 5/4
- User's interface WSC with Lister, parametric tools and parametric set up
- Graphics programming CAD TPA EDI32, base version
- USB port for loading programs run on a station in each office
- 3 levels of access with passwords (operator-supervisor-assistance)
- Set up parameters
- Working path configuration
- Saving all files with all data
- Data entry form with graphic support on major transactions
- Macro programming
- Basic data always visible on screen
- Jobs list
- Cross control between parameters and the working program
- Import DXF files
- Fast optimization program by inserting only the following data: blade diameter, center distance, X axis dimension of the pattern, Y axis dimension of the pattern



TECHNICAL DATA

- Shaft with 6 presettable saw blades center distance 32 mm
- Rotation of the shaft: 7000 rpm
- Lubrication: shaft and bearing by oil
- Max thickness of the panel: 50 mm
- Max weight of the panel: 80 Kg (176 lbs)
- Max panel size: X no limit, Y 1200 mm, Z 50 mm
- Min panel size: X 450 mm, Y 150 mm, Z 12 mm
- Panel feeding speed: 25m/min (82 ft/min)
- Exhaust air consumption: 4000 m3/h (2350 CFM)
- Exhaust air speed: 30 mt/sec
- Diameter of the dust extraction: 120 mm
- Motor power: 1 motor; 2.8 Kw
- Max diameter of the blade: 125 mm
- Air pressure: 100 PSI
- Dimensions: 2200 x 1350 x 1550 mm

CE STANDARDS

OPTIONS

- Bar code reader & slot for software
- Frontal and rear rollers for long panels
- Office programming software TPA
- Spare blades shaft (not including blades)

