



Point Acoustic

CNC BORING MACHINE -- Boring machine with through feed panel, boring from the bottom and automatic panel return to the operator.

CHARACTERISTICS

- Three controlled axes:
 - X Axis - Panel movement by means of a strong pneumatic clamp
 - Y Axis - Boring head movement
 - Z Axis - Panel boring
- Newly patented, high rigidity boring head movement on Y and Z axis
- Constant side pusher: side pusher with constant preload for perfect positioning of the panel on the machine zero point
- Device for back exit panel
- 3 vertical pressure clamps
- New frontal and more user-friendly tool removal system
- Positioning axes:
 - X axis by motor with direct connection to the positioning belt
 - Y axis by epicyclical motor reducer, rack and pinion high precision with helicoidal teeth
 - Z axis by motor and ball screw
- No limit in panel length
- High productivity and flexibility
- Simple programming
- Control: full parametric
- New PC for better programming performance
- 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: bit diameter, center distance, X axis dimension of the pattern, Y axis dimension of the pattern



TECHNICAL DATA

- 1 drilling head 32mm with 55 spindles and 55 quick-change chucks
- The heads rotate at 3400 rpm
- Lubrication: seals with grease
- Max thickness of the panel: 50 mm
- Max weight of the panel: 180 Kg (414 lbs)
- Max panel size: X no limit, Y 1250 mm, Z 50 mm (see lay-out for details)
- Min panel size: X 300 mm, Y 150 mm, Z 12 mm
- Panel feeding speed: 25m/min (82 ft/min)
- Max drilling depth in vertical: 45 mm
- Max vertical tools diameter: 12mm
- Exhaust air consumption: 4000 m3/h (2350 CFM)
- Exhaust air speed: 30 mt/sec
- Diameter of the dust extraction: 120 mm x 4+ 400 mm on the floor
- Motor power: 2 motors; 4 Kw each
- Air pressure: 100 PSI

CE STANDARDS

OPTIONS

- Bar code reader *included*
- Frontal and rear rollers for long panels reader *included*
- Office programming software TPA *included*
- Pneumatic vertical clamp *included*
- Drilling head 50mm (alternative to standard 32mm)
- Drilling head 1-1/8 (alternative to standard 32mm)
- Drilling head 40mm (alternative to standard 32mm)
- Drilling head 20mm (alternative to standard 32mm)
- Drilling head 25mm (alternative to standard 32mm)

