




Machinery for the Woodworking, Stone,
Glass, Plastic, and Metalworking Industries



Date : 04/24/2025 - 11:17 PM *
EXF # : BP-012772
Category : CNC POD & RAIL MACH. CTR.
Brand / Model : HOMAG "BOF 612"
Machine Type : CNC MACHINING CENTER (2-HEAD)
Year of Mfg. : 2008/
Condition : Fair Condition
Elect / Voltage : 600 V, 60 Cy, 3 Ph.
Special Note : In Auction

FOB / Region : MEXICO
Appr. Repl. Cost. : \$ 690,000
Price : \$ 42,500 *
Comment : Priced to sell quickly!
Leasing : Lease for \$ 864/Mo. at NCL

 Please ask me

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* Pricing is valid at the time of printing and subject to change at any time.

Description :

- **HOMAG - BOF 612: CNC "Gantry" 2-HEAD Machining Center**
- **HOMAG "BOF 612"** (Weight 7,000 kG/15,400 Lbs): The working unit is mounted on a Heavy-Duty overhead "GANTRY" System for all "X" & "Z" axis movements & functions; "Y" axis movement is performed by twin shuttle tables that work in tandem or independently of each other.
- **"BOF 612" Working Field** for single panel processing with: "X" Axis: 3,470 mm (136.6"); "Y" axis: 1,300 mm (51"); "Z" axis: Stroke 600 mm (23.6"); max. material thickness 300 mm (11.8").
 When processing (2) panels at a time: "X" Axis 1,700 mm (66.9") x 2; "Y" axis 1,300 mm (51").
When processing (4) panels at a time: "X" Axis 700 mm (27-1/2") x 4; "Y" axis 500 mm (19.7") x 2.
- **"BOF 612" Positioning Speed:** "X" & "Y" Axis: 60 MPM (197 FPM); "Z" axis: 30 MPM (98 FPM); AC Brushless Servo motors with: Digital drive & linear guides ensure high speeds with a smooth acceleration & deceleration.

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- **"BOF 612" Working Tables:** Tables consist of (8) adjustable "K-table" support rails (4 rails with 4 pneumatic lifters in each zone); (3) vacuum pods per rail; manual positioning of rails & vacuum pods via LED positioning indicators according to the parts processing requirements from the NC control.
- **"BOF 612" Machining Units:** (2) 20 HP (15 kW) Liquid-cooled electrospindle Router with: "HSK F63" Adaptor; (2) NC controlled "FLEX5" "C" axis for 360° horizontal processing at angles from 0° - 90° (1,000 - 20,000 RPM); (2) 10-position "on the fly" tool changers.
- **"BOF 612" Boring Units:** (2) 1.5 kW (2 HP) Motors; variable speed from 0 - 7,500 RPM; (2) 9-spindle vertical unit with 4-spindles in "X" axis & 5-spindles in "Y" axis; (4) horizontal spindles with (1 + 1) in "X" axis & (1 + 1) in "Y" axis.
- **IPC Front- End** with: HOMAG "Power Control PC 85" + Windows "XP" + "WOODWOP 5.0 + "FLEX5" + BOF GANTRY" Operating System; icon driven software with graphic interface to allow the Operator to quickly and efficiently create programs.
- **Control includes:** 1.44 MB Disk drive; CD/RW drive; 17" TFT flat screen monitor; Ethernet network connection; RS-422 serial & USB connection to PC (up to 300 meters); (2) line adaptors RS-232 & 485.2 with 9-25 pin and card for RS-232 line (cable not included).
- **Control Features:** Multitask Operating System; input/output modules; axes override; 4-axis interpolation; diagnostic graphics aid for programming; machine data & tool management.
- Editor Module for office PC with same look and functionality of software on the machine; allows transmission of programs and work lists.
- **Line System complete with:** (2) Liquid Rings, 340 cbm/Hr (15 HP) vacuum pumps; LH & RH scrap sliders & LH direction scrap removal belt conveyor.
- Handheld pendant; perimeter protection cages; user & maintenance manuals on CD with wiring diagrams and operation of Numerical Control; system complies with EU/CSA/UL safety standards.
- **Actual model: HOMAG "Optimat BOF 612/34/13/2K"**

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