



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



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EXF # : FT-010755
Category : CNC FLAT TABLE MACH.CTR.
Brand / Model : HOMAG "BAK 41"
Machine Type : FLAT TABLE MACHINE
(W/EDGEBANDING)
Year of Mfg. : 2001
Condition : Good Condition
Elect / Voltage : 480 V, 60 Cy, 3 Ph.
Special Note :

FOB / Region : MIDWEST

Appr. Repl. Cost. : \$ 235,000

Price : \$ 0 *

Comment :

Leasing : Contact NCL for quote



Please ask me

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

Description :

- **HOMAG OPTIMAT BAK 41/45/G FLAT TABLE MACHINE (W/EDGEBANDING):**
- **Specifications:**
Working capacity "X" Axis 177" (4,500 mm), "Y" axis 48" (1,220 mm), "Z" axis stroke is 7.8" (200 mm), max material thickness 2.3" (60 mm).
- **Positioning Speed**
"X" & "Y" Axis 197 FPM (60 MPM), "Z" axis 98 FPM (30 MPM)

AC Brushless Servo motors with digital drive and linear guides ensure high speeds with a smooth acceleration-and-deceleration.
- **Work Table:**
Phenolic Flat-Table design with (14) double side "pick-n-place" vacuum pods;

Laser aided positioning of the vacuum pods according to the selected program

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EX-FACTORY INC.: 1805 Sardis Road North | Charlotte, NC 28270 USA | Ph +1 704.841.2001 | Fax 704.644.8068
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- **Edge Banding unit:**

Floating "hot melt" glue pot & application roller with separate thermostats apply glue on the panel edge.

Pneumatically controlled pressure roller with manually adjustable guides for coil & strip feeding; numerically controlled with encoder that measures strip feeding process; preheated tape magazine with warning sensor when the end of the spool is near.

Pneumatically activated saw blade performs the end trimming for precise fitting of overlapping joints on adjoining edges.

Precisely applies 0.4 - 3 mm ABS, 1 - 3 mm PVC & 0.4 - 2 veneer with 45 mm max. edge height (65 mm without edging).

Minimum internal radius 300 mm (11.8"), Minimum external radius 8 mm (0.3"), both depending on the banding material & thickness when edge banding.

The edgebanding is automatically applied to square or irregularly shaped parts as the CNC manufacturing head rotates along the "X", "Y" & "Z" axis & simultaneously rotates the tooling on a high precision "C" axis.

- **Machining:**

(1) 6 HP (4.5 kW) liquid cooled electro-spindle router with HSK F63 adaptor, variable speed fr 1,500 - 18,000 RPM,

NC Controlled "C" axis for 360° horizontal processing & contour edge banding.

(1) 4-position "on the fly" plate-type rotary tool changer, max. tool dia 7.08" (180 mm)

- **Operator & Machine Control:**

"HOMAG" NC 83 + "WoodWOP" 4.0 + "WINDOWS NT 4.0 operating system;

Icon driven with a graphical interface to allow the operator to quickly and efficiently create programs; Pentium processor, 8 MB RAM, 8 MB hard disk; VGA video card.

17" color LCD monitor, 1.44MB & CD ROMx32 drives, connection to an office PC is possible (up to 300 meters).

Multitasking operating system, input/output modules, axes override, 4-axis interpolation, diagnostic graphics aid for programming, machine data & tool management.

WoodWOP Editor Module for PC with same look and functionality of software on the machine, allows transmission of programs and work lists from an office PC (PC not included):

- **Complete with:**

(1) 100 m³/Hr vacuum pump; (1) 1-coil tape magazine; perimeter protection cage, safety mats, user & maintenance manuals, wiring diagrams and operation of Numerical Control.

- **Options Include:**

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(1) Combination Snipping and Corner Rounding Unit; (1) Corner Rounding Radius Cutter Head; (1) Combi-Flush Trimming Scraping Unit; (1) Flush Trimming Unit; (1) extra glue pot; An assortment of spare parts as pictured.

- Actual Model is **HOMAG OPTIMAT BAK 41/45/G**

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