



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



**Date :** 04/26/2024 - 9:38 AM \*  
**EXF # :** BP-012602  
**Category :** CNC POD & RAIL MACH. CTR.  
**Brand / Model :** MORBIDELLI "PLANET HP"  
**Machine Type :** CNC MACHINING CENTER  
(W/EDGEBANDING)  
**Year of Mfg. :** 2004  
**Condition :** Good Condition  
**Elect / Voltage :** 400 V, 60 Cy, 3 Ph.  
**Special Note :**

**FOB / Region :** WEST COAST

**Appr. Repl. Cost. :** \$ 520,000

**Price :** **\$ 39,500 \***

**Comment :** A lot of machine & equipment  
value for the money!

**Leasing :** Lease for \$ 803/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 :

- **MORBIDELLI *PLANET HP* CNC MACHINING CENTER (W/EDGEBANDING):**
- **Specifications:**  
"Bridge Gantry" TWIN TABLE Routing & Edgebanding Center with (2) independent working tables: (2) Independent routing units mounted to the back side of the support beam.  
  
1) Independent edgebanding unit mounted to the front side of the support beam; it is possible under some circumstances for all (3) units to work simultaneously & totally independent of each other.
- **Working Fields:**  
Working field with both tables locked together; "X" axis 157.4" (4,000 mm); "Y" axis 70.8" (1,800 mm); "Z" axis stroke 15.7" (400 mm); max. material thickness when machining 6.6" (170 mm).  
  
Working field for each individual table: "X" Axis 63" (1,600 mm); "Y" axis 70.8" (1,800 mm); "Z" axis stroke 15.7" (400 mm); max. material thickness when machining 6.6" (170 mm).
- **Edgebanding:**

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Minimum internal radius when edgebanding 1.18" (30 mm) & minimum external radius when edge banding 0.39" (10 mm), depending on the type of banding material; max. material height when edgebanding 2.36" (60 mm).

- **Positioning Speed:**

"X" & "Y" Axes 492 FPM (150 MPM); "Z" axis 82 FPM (25 MPM); "X" & "Y" axes uses a helical Rack & Pinion system, "Z" axis uses precision ball screws.

All axes movement is on precision linear guides & ways & controlled by digital, brushless AC Servo motors; all motion components are maintained by an automatic lubrication system.

- **Worktables:**

(2) Independent Worktables with: (8) Tubeless support rails; (4) rails with (4) pneumatic lifters each table; (2) vacuum pods per rail; manual positioning of rails & vacuum pods via LED positioning indicators & according to the parts processing requirements from the NC Control.

(4) Pneumatic backstops; (2) pneumatic side stops & (2) pneumatic centerstops per worktable.

- **Boring Units:**

(2) Independent boring units, each with: (1) 4 HP (3 kW) motor, 4,500/6,000 RPM; each head with (18) independent vertical boring spindles; (14) spindles in "X" axis & (4) spindles in "Y" axis (one shared spindle).

Each head with: (6) Horizontal spindles, (2 + 2) in "X" axis & (1 + 1) in "Y" axis.

- **Routing Units:**

(2) Independent routing units, each unit with (1) 10 HP (7.5 kW) air cooled electro-spindles with "HSK 63" adaptors; programmable from 1,500 - 18,000 RPM;

Each spindle with NC controlled "C" axis for 360° horizontal processing.

(24) Automatic Tool Changers with: (1) 12-Position ATC toolholder mounted at each head for "on the fly" ATC (max. dia. tooling 180 mm when leaving open space on either side of the tool).

- The boring & routing heads are mounted to back side of the central support beam.

- **Edgebanding Unit:**

(1) Edgebanding unit mounted to the front side of the support beam; NC controlled 360° operation for straight or contour edges with hot melt applicator and pressure rollers swiveling via a "C" axis;

300 mm min. Part length for radius edgebanding; 0.4 - 3 mm PVC thickness and 0.4 - 2 mm veneer thickness.

(1) 3-Coil magazine for automatic coil material feeding and individual strip feeding device for banding strips; 60 mm max. edgebanding height.

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- **Aggregate (edgebanding) tooling included with the machine:**  
(2) Saw aggregates with: 180 mm Dia. blade; (2) Top & Bottom combination edge trimming and scraping units; (2) Blowoff units to clean the panel profile.
- **Operator & Machine Control:**  
PC Front-End with: "XILOG-OPERATOR" + Windows "XP" Operating System; 15" VGA color monitor, standard industrial keyboard & mouse & ergonomic keypad; CD ROM 24X & 1.44 MB floppy disk drives, RS-232 & RS-242 serial ports, USB ports.  
  
XILOG-OPERATOR Interface offers incredible list of functions from: (a) Autodiagnostic to (z) zooming; controlled acceleration & deceleration, encoder feedback; dynamic tool correction via PLC due to active tool wear using space-and-time criteria; programs can be transferred via diskette or downloaded by wire.
- **Additionally equipped with:**  
Onboard mini-CAD with built-in programming for writing: Circles, ellipses & angles with only a few keystrokes; onboard cycle optimization; onboard calculator; mirror-imaging; repeat imaging.
- **Complete with:**  
(2) 100 cbm/Hr Vacuum Pumps; safety mats; scrap conveyor; user & maintenance manuals; wiring diagrams; operation of Numerical Control.
- Actual Model is: **MORBIDELLI "Planet H"**.

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