



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



Date : 04/25/2024 - 3:24 PM *
EXF # : FJ-300012
Category : FINGER JOINTERS
Brand / Model : CAM-WOOD "SFJ-3800-205-FM-FAHX"
Machine Type : FINGER JOINTER (HORIZONTAL JOINT)
Year of Mfg. : 2024
Condition : Brand New w/Warranty
Elect / Voltage : 230/460/575 V, 60 Cy, 3 Ph
Special Note :

FOB / Region : WEST COAST
Appr. Repl. Cost. : \$ 750,000
Price : **\$ 599,700 ***
Comment : Perfect Finger Jointer for I-Beam Flanges and othe
Leasing : Contact NCL for quote

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

Description :

- **CAM-WOOD SFJ-3800-205-FM-FAH HIGH SPEED, LONG BOARD, HORIZONTAL JOINT, FINGER JOINTER:**

Specifications:

- Double Chain & Slat Type Shaper Section designed for long incoming boards
- Manual infeed; Slat Bed Feed Chain runs at up to 75 FPM; lugs on 30" centers. Slat Bed powered with a 15 HP gear motor with 1:40 gear ratio.
- Table Transfer Conveyor (Powered), even ends boards to the Right and Left Shaper Fences: powered by (2) 7-1/2 HP motors



Please ask me

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Sales - Liquidations - Auctions - Appraisals - Consulting

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- Power raising and lowering of the holddown assemblies on both Shaper Sections; Powered with (2) 2 HP motors
- (1) Pair Scoring Saws with 2 HP motors, 50mm arbor, 2,850 RPM, scoring blade size of 7" x 50 tooth, (4) Blades included
- (1) Pair Trim Saws with 10 HP motors, 50mm arbor, 4,275 RPM, trim saw blade size of 10" x 100 tooth. (2) Blades included
- (1) Pair Vertical Hogging Shaper Spindles with 10 HP motors, 50mm arbor, 4,375 RPM, hogging blade size of 9.4" x 50-tooth. (2) Blades included
- (1) Pair Vertical Finish Shaper Spindles with 20 HP motors, 50mm diameter spindles, 5,300 RPM. For
- 50mm bore x 160mm dia. cutterheads; finger length of 1.122"; cutterheads and knife profile to buyer's specification
- Extrusion Type Glue Application System for PVAC Glues; mounted on Right Side Shaper Section. Includes glue pump, valves, and glue injection thru the applicator comb machined to buyer's specifications.
- Optional APQUIP Glue System available at extra cost
- Optional Glue Equipment available for Loctite HB X Glue at extra price
- Deduct \$5,200 if provided without a Glue System

SCC-20 TRANSFER CONVEYOR

- Conveyor between Shaper Section to the Press Section

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- Working dimension: from 1" to 8" wide x 12" to 12'-6" long
- Speed 230 FPM
- Powered by (1) 3 HP

HSC-65 HIGH-SPEED PRE-PRESS ASSEMBLY SECTION

- Working dimensions: 1" to 8" wide x 3/4" to 2-1/4" high x up to 21' long
- (2) 5 HP motors drive the double flat-top chains
- Feed speeds from 32 to 295 FPM
- Includes (1) 15 HP Frequency Converter to power the feed chain motors at speeds determined by incoming boards lengths

NFJ-1500 50' HEAVY-DUTY AUTOMATIC ASSEMBLY PRESS

- Working dimension: 1" to 8" wide x 3/4" to 2-1/4" high x up to 50' long
- Power of upper rollers: (2) 3 HP motors with a 1:10 gear ratio
- Power of lower roller: (1) 5 HP motor with a 1:10 gear ratio
- In-feed Inverter: (1) 15 HP motor
- In-feed speed: From 32 to 295 FPM

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- Cut-off saw: With 7.5 HP motor driving the arbor at 2,850 RPM
- Sawblade: 14" Diameter x 120 tooth
- Hydraulic power to the Pressing Cylinders: (2) 20HP with high-speed oil tank
- Hydraulic pressure output: 1,700 PSI at the joint
- Capacity (1) to (4) 50' assembled boards per minute
- Machine comes arranged with equipment to assemble (3) sizes of material cross sections according to buyer's specifications for width within +/- 3/16" width tolerance

SYSTEM REQUIREMENTS FOR INCOMING BOARDS

- Incoming lumber length: 1' to 12.4'
- Working thickness 3/4" to 2-1/4"
- Working width: 1" to 8" (+/- 3/16")
- Glue type to be used: PVAC
- Species: Soft and Hardwoods
- Moisture content: 8 to 12%

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REQUIRED QUALITY OF INCOMING BOARDS

- Board length: At least 50% longer than its width.
- Board surface: S4S to a tolerance of $\pm 0.2\text{mm}$.
- Require 90° right angle at all surfaces to edges
- Lumber must be straight.

PRODUCTION NUMBERS

- **Shaper Section:**
 - Shaper runs at (30) slats per minute
 - Average board length is 6'-6"
 - Shift is 480 minutes long
 - 0.8 Efficiency factor = 76,032 lineal feet per shift.
- **Assembly and Press Section:**
 - (4) Assembled Boards per minute

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- Board length is 50'
- Shift is 480 minutes long
- 0.8 Efficiency factor = 76,800 lineal feet per shift
- **NOTE:** Actual capacity of the system depends on the length and number of boards that are fed to the Shaper Section.

TO BE PROVIDED LOCALLY

- Total electricity demand: 180 HP
- Electric power supply to Motor Control Center
- Constant voltage, voltage deviations max.: 5%
- Temperature range for computer control not to exceed 90°F
- 65% Maximum relative humidity for system computer
- Dust exhaust system: (V=30M/S at a low pressure of 12M BAR)
- Compressed air requirement: 30 HP with at least a 25-gallon air receiver
- Hydraulic oil

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- Skilled operating and maintenance personnel
- Properly illuminated working environment
- Dust Piping: 8" diameter

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