



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



Date : 04/24/2024 - 6:23 AM *
EXF # : FJ-300020
Category : FINGER JOINTERS
Brand / Model : CAM-WOOD "FAH TYPE F1X"
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. : \$ 450,000

Price : \$ 407,700 *

Comment : Be sure to view the video.
Click on the icon unde

Leasing : Contact NCL for quote

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

Description :

- CAM-WOOD TYPE F1, MODEL FAH, 6' X 20' Horizontal Fully Automatic Finger Joint System Single Chain Type

MECHANICAL SPECIFICATIONS FOR THE FEED SYSTEM:

- Operating speed: 120 to 150 lugs/Min
- Intermittent feed motor: 2 HP + 1:25
- Feed chain motor: 30 HP (20 kW) Servo Drive

(C2) MECHANICAL SPECIFICATIONS: RIGHT-SIDE SHAPER:



Please ask me

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- Cutterhead Motor: 25 HP
- Spindle size: 2-3/4" (70 mm)
- Maximum cutter head body diameter: 10"
- Cutterhead speed: 5,500 RPM at 60 Hz
- Trim Saw Motor: 15 HP
- Trim Saw blade size: 12" (305mm) x 80 Tooth x 5mm kerf
- Cut-off saw Speed: 4,300 RPM
- Scoring saw motor: 3 HP
- Scoring saw blade: 7" (180 mm) x 50 Tooth x 5 mm
- Scoring saw spindle speed: 4,200 RPM
- Holddown rise and lower motor: 1/2 HP

(C3) MECHANICAL SPECIFICATIONS: LEFT-SIDE SHAPER:

- Cutterhead Motor: 25 HP

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- Glue Application by GLUE COMB
- Standard glue height: 6" High, 3.8 mm pitch 3.8 mm. Finger lengths from 10 to 12 mm (Other lengths available)

(K) MECHANICAL SPECIFICATIONS: SHAPER OUT-FEED:

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- Speed: 230 FPM
- Feed Motor: (1) 3 HP
- Vacuum device blower with 3" Vacuum port: 5 HP

(G) MECHANICAL SPECIFICATIONS: PRE-JOINT ASSEMBLY:

- Feed chain drive: (2) 3 HP motors
- In-feed Inverter: (1) 7-1/2 HP
- Chain type: Flat top double chain
- Feeding speeds from 30 to 300 FPM

(H) MECHANICAL SPECIFICATIONS: 20' (6.2M) ASSEMBLY PRESS:

- Working dimension: 3/4" to 6" wide x 0.60" to 3" high x up to 20' long
- Upper & lower roll power: (2) 2 HP motors
- In-feed Inverter: 7-1/2 HP
- In-feed speed: 30 to 300 FPM
- PROGRAMMABLE Cut-off saw power: 5 HP

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- Cut-off Blade dimensions: 14" Dia. x 120 Tooth x 1" bore
- Cut-off saw speed: 2,850 RPM
- Hydraulic power: 5 HP (With high speed oil tank)
- Cycle Speed: 1 to 8 Cy/Min

PRODUCTION CAPACITY - PARAMETERS:

- Based on a 480-minute shift
- Finger length to customer's specifications
- Average infeed length at the shaper section is 20"
- Average block cross section is 2" x 4"
- Chain speed at the Shaper sections is 150 lugs/Min
- Press capacity is (8) 20' loads per minute (maximum)

CAPACITY OF THE SHAPERS WHEN FINGER JOINTING 2" X 4" X 20" BLOCKS

- (120) Blocks per minute
- x 20" Average infeed length

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- x 480 Minutes per shift
- x 0.8 Rate of utilization = 76,800 lineal feet per shift

CAPACITY OF THE PRESS ASSEMBLING 20' LENGTHS:

- (8) Assembled lengths per minute
- x 20' Per minute
- x 480 Minutes per shift
- x 0.8 Rate of utilization = 66,440 lineal feet per shift
- **NOTE:** If using the cutoff saw for multi-section pressing, capacity is reduced.

SUGGESTED BLOCK REQUIREMENTS SUGGESTED FOR BEST RESULTS:

- Block lengths from 6" to 40"
NOTE: Block lengths must be at least 50% longer than the block width being run.
- If a block is 6" wide, the shortest length possible must be 50% greater, or 9" long

Examples:

- When running of 4" wide blocks, the shortest block possible is 6" long
- When running of 3" wide blocks, the shortest block possible is 4-1/2" long

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- Block thickness from 0.06" to 2.36"
- Block widths from 1" to 6-1/4"
- Assembled outfeed lengths from 10' to 20'
- Glue type is PVAC
- Wood species can be soft or hardwood
- Preferred moisture is 8 to 12%
- For best results, blocks should be surfaced 4-sides to a tolerance of $\pm 0.2\text{mm}$
- Blocks require 90-degree right angles and should be clear and straight
- Block lengths should not vary more than 50%

TO BE PROVIDED LOCALLY:

- Electrical power supply to switch cabinet
- Total Power demand: 65 KW, 86 HP
- Constant voltage with deviations of max. 5%

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- The temperature range for computer control should not be exceeding 95°F
- Maximum relative air humidity for control system computer 65%
- Dust exhaust system: (V=30M/S at a low pressure of 12M BAR)
- Compressed air connection to plant units: 6 ~ 8 kG/CM² – 8 BAR Cable, collecting duct
- Hydraulic oil
- Skilled operating and maintenance personnel
- Noise control
- Well-lit d working environment
- Computer cable if the machine is with remote monitoring
- Dust Collection: (3) each 4" and (4) each 8" and 6,800 FM
- Compressor air requirement request: 30 HP with 30-gallon air receiver and 80 to 90 PSI

NOTES:

- Training and installation are optional.

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- Motor Control Center with under-voltage and overload protection; includes UL and CSA approved electrical components. Electric parts only, not the complete machine.
- Customer is responsible for local regulations and connecting utilities
- Price is F.O.B. Los Angeles, CA
- Tooling, rigging and freight are not included.
- Payment Terms are 50% deposit with order, balance prior to shipping.

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