



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



Date : 06/26/2022 - 4:09 PM *
EXF # : FJ-300011
Category : FINGER JOINTERS
Brand / Model : CAM-WOOD "HSTC-62A"
Machine Type : FINGER JOINTER (HIGH PRODUCTION)
Year of Mfg. : 2022
Condition : Brand New w/Warranty
Elect / Voltage : 230/460/575 V, 60 Cy, 3 Ph
Special Note :

FOB / Region : WEST COAST
Appr. Repl. Cost. : \$ 380,000
Price : **\$ 341,700 ***
Comment : Designed with American Engineering by "Quality Man"
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 :

- **CAM-WOOD HSTC-62 HIGH SPEED LONG BOARD VERTICAL FINGER JOINTER with the following Specifications:**
 - HSTC-62A Infeed Belt Conveyor:**
 - Working dimension: 24" wide x 16' long
 - Speed at 110 FPM
 - One 3 HP Inverter Drive Motor
 - SHAPER #1: DFSR-62I - Left Side Heavy Duty Finger Joint Shaper**

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- Working dimension: 24" wide x 1" to 10" high x 8" to 16' long
- Scoring Saw: 2 HP motor
- Scoring Saw Blade: 7" diameter x 50 tooth
- Scoring Saw speed: 2,850 RPM
- Trim Saw Spindle: 15 HP motor
- Trim Saw Blade: 12" diameter x 80 tooth
- Trim Saw Speed: 2,800 RPM
- (2) Finger Joint Spindles, (1) for rough cut and (1) for finish cut, each with a 30 HP motor
- Spindle diameter: 50 mm
- Diameter of cutterhead possible without knives: 8-1/4"
- Shaper Spindle speed: 3,800 RPM
- Conveyor belt with 3 HP Inverter Drive
- Table cycle by 3 HP Drive Motor

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- Table cycle speed from (1) to (4) cycles per minute (depends on work)

HSTC-62A HEAVY SINGLE TABLE OUTFEED TRANSFER CONVEYOR

- Working dimension: 24" wide X 16' long
- Speed at 110 FPM
- One 3 HP Inverter Drive

HSTC-62A SINGLE TABLE INFEEED TRANSFER CONVEYOR

- Working dimension: 24" wide X 16' long
- Speed at 110 FPM
- One 3 HP Inverter Drive

SHAPER #2: DFSR-62I - RIGHT SIDE HEAVY DUTY FINGER JOINT SHAPER WITH GLUE APPLICATOR

- Working dimension: 24" wide x 1" to 10" high x 8" to 16' long
- Scoring Saw: 2 HP motor
- Scoring Saw Blade: 7" diameter x 50 tooth
- Scoring Saw speed: 2,850 RPM

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- Trim Saw Spindle: 15 HP motor
- Trim Saw Blade: 12" diameter x 80 tooth
- Trim Saw Speed: 2,800 RPM
- (2) Finger Joint Spindles, (1) for rough cut and (1) for finish cut, each with a 30 HP motor
- Spindle diameter: 50 mm
- Diameter of cutterhead possible without knives: 8-1/4"
- Shaper Spindle speed: 3,800 RPM
- Conveyor belt with 3 HP Inverter Drive
- Table cycle by 3 HP Drive Motor
- Injection type adhesive spreader with standard glue height of 10"
- Glue system included is for PVAC.
- Optional APQUIP Glue System available at extra cost
- Optional Glue Equipment available for Loctite HB X Glue at extra price

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- Deduct ...\$5,200 if provided without a Glue System

HSTC-62B OUTFEED CONVEYOR WITH BELT CLEANER

- Working dimension 24" long X 16' wide
- Speed at 115 FPM
- (1) 3 HP Inverter Drive
- (1) 1/2 HP motor for conveyor cleaning device

HSCB-62 TIPPING CONVEYOR W/NARROW CONVEYOR

- Flips boards from vertical to horizontal for automatic feed to the Press
- Working dimensions:
- (1) Conveyor at 24" wide x 16' long
- (1) Conveyor at 8" wide x 16' long
- Speed 110 FPM
- 3 HP Inverter Drive

UFJ-600 FINGER JOINT CONTINOUS ASSEMBLY MACHINE FOR INFINITE LENGTHS

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- Working dimension 1-3/8" to 10' wide X 1" to 4" thick by unlimited lengths
- In-feed speed from 100 to 165 FPM
- Cut-Off Saw: 7-1/2 HP
- Cut-Off Saw Speed: 2,850 RPM
- Cut-Off Saw blade dimensions: 18" diameter x 1" bore x 120 tooth carbide tipped
- Hydraulic Power Units: (1) @ 10HP and (1) @ 15HP
- Hydraulic Oil Tank: 50 Gallons
- Out-feed table: 78" Length

NOTE: (5) Days start-up and training by factory technicians included in price.

OPTIONAL ACCESSORIES:

- (4) 40 HP Shaper Motors, add ...\$35,000
- (4) 50 HP Inverter Driven Shaper Motors, add ...\$40,000
- Overhead lifting system for removing and installing cutterheads, add ...\$10,800
- Safety Fencing and electric interlocks, add ...\$8,760

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- CE electric components, add ...\$13,920
- Motor Control Center with under-voltage and overload protection; includes UL and CSA approved electrical components. Electric parts only, not the complete machine.

LUMBER AND ADHESIVE SPECIFICATIONS

- Incoming working lengths from 10" to 16'
- Boards must be at least 50% longer than their width
- Lumber thickness from 1" to 4"
- Lumber width from 1-3/8" to 10"
- Assembled out-feed lengths are unlimited
- Glue type to be used: PVAC.
- Lumber species are soft and hardwoods
- 8% to 12% Moisture content
- Incoming boards to be planed (S4S)

PRODUCTION CALCUCATED ON A 480-MINUTE SHIFT

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- Finger length according to buyer's specs up to 1-1/8" long
- 6' Average in-feed length
- 2" x 4", 6", 8" or 10" incoming boards
- Shapers tables are capable of cycling up to 4-times per minute
- Maximum of (16) 1-1/2" thick boards per shaper table when making vertical joints
- Maximum of (3) 8" wide boards per shaper table when making horizontal joints
- Lengths of assembled boards are unlimited on the Continuous Assembly Machine
- Following production rates are calculated with an 80% utilization factor

NOTE: Table cycle speed varies with working height, width, and weight of the boards

PRODUCTION RATES when vertical finger jointing (joints seen in the face of the board):

- (1) Cycle per minute x (16) 1-1/2" thick x 4, 6, or 8" boards per table x 6' average block length x 480 Minute shift x 0.8 rate of utilization = 36,864 lineal per shift
- (3) Cycles per minute x (16) 1-1/2" thick x 4, 6, or 8" boards per table x 6' average block length x 480 Minute shift x 0.8 rate of utilization = 110,592 lineal per shift

PRODUCTION RATE when horizontal finger jointing (joints seen in the edge of the board):

- (3) Cycles per minute x (3) 8" wide boards per table x 6' average infeed length x 480" Minute shift x 0.8 rate of utilization = 6,912 lineal per shift

TO BE PROVIDED BY CUSTOMER

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- Electric power supply to Motor Control Center
- Constant voltage (5% max. voltage deviation)
- Temperature range for computer control not to exceed 95° Fahrenheit
- 65% Maximum relative humidity for computer control system
- Dust exhaust system
- Compressed
- Hydraulic oil
- Motor Control Center with under-voltage and overload protection; includes UL and CSA approved electrical components Electric parts only, not the complete machine.
- Dust collection outlets: (6) at 8" dia. and (1) at 4"
- Compressed air supply: Minimum 30 HP @ 120 PSI with a 150 gallon air receiver

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