



FL-12CE FL-10ACE

Auto Finger Jointing Line



Upgrade Finger Jointing Quality And Productivity
at the Same Time.



HOLYTEK

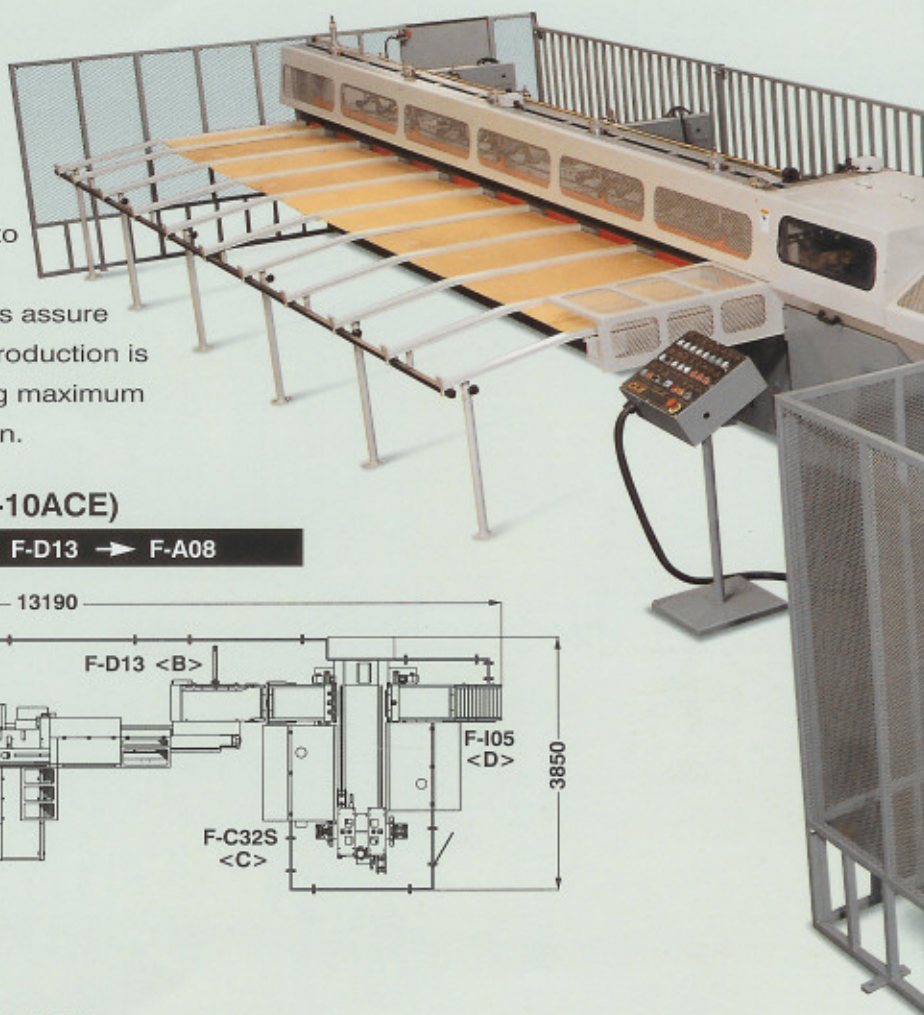
HOLYTEK INDUSTRIAL CORP.

Auto Finger Jointing

Upgrade Finger Jointing Quality And Productivity at the Same Time.

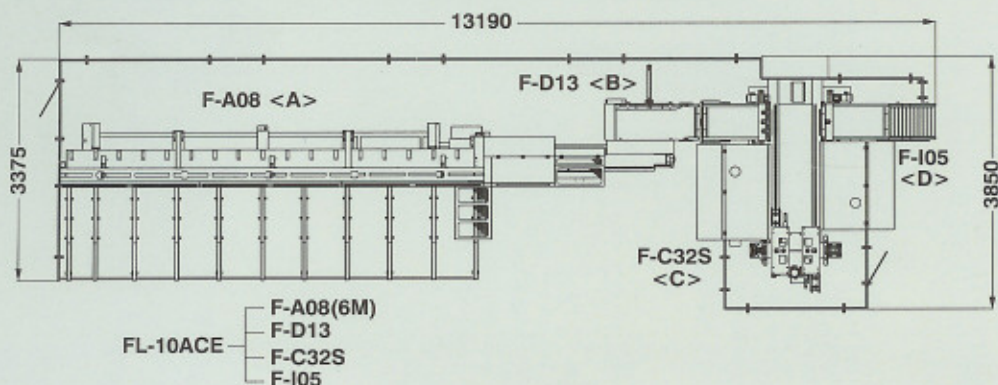
Learn how this new FL-10ACE and FL-12CE Auto Finger Jointing Line from CKM cuts production costs and boosts productivity.

Designed and built for extra high speed jointing job, this CKM FL-10ACE (FL-12CE) will help you to stay competitive. Enable you to turn wood waste into valuable material. Extra high feed speed up to 80M/min on the assemble press. Precisely constructed finger shapers assure high jointing accuracy. The entire production is also ruggedly constructed, ensuring maximum stability during high speed operation.



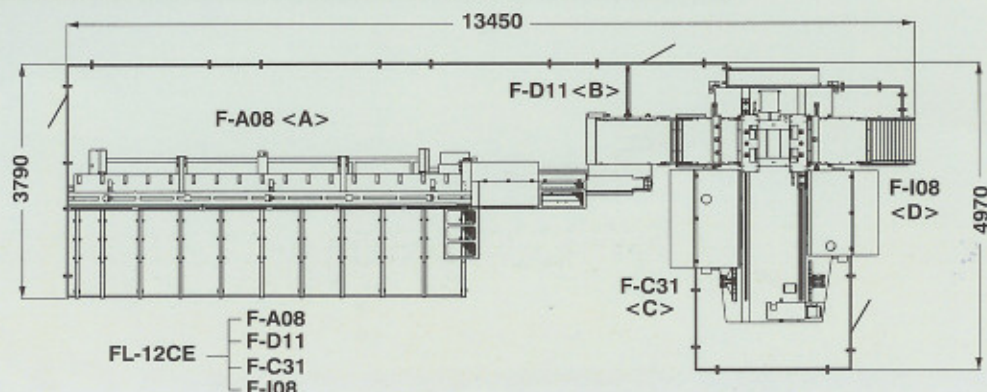
DIMENSIONAL DRAWING (FL-10ACE)

FL-10ACE — F-I05 → F-C32S → F-D13 → F-A08



DIMENSIONAL DRAWING (FL-12CE)

FL-12CE — F-I08 → F-C31 → F-D11 → F-A08



Line

CKM[®]
Quality & Service

Reduced Investment Cost !
Excellent for short Wood !
Save Installation Space !
Easy To Set Up !

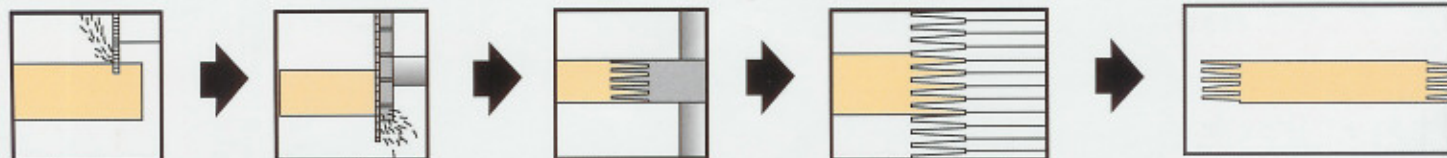


FL-12CE
FL-10ACE

www.ckmtw.com.tw

Production Flow Ch

Turn your wood waste into valuable material !



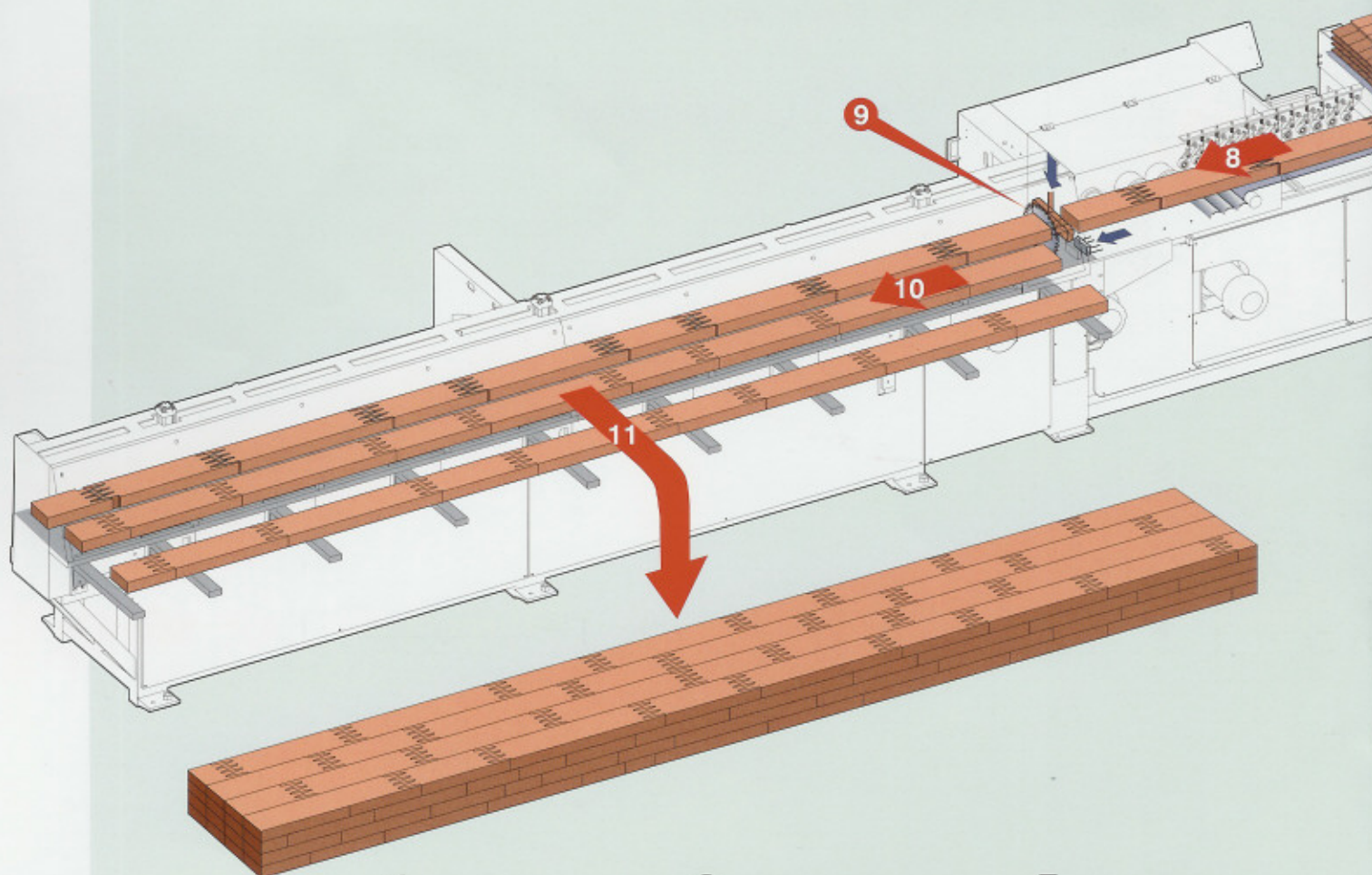
Scoring

End trimming

Shaping

Gluing

Finished



1 Automatic initial
infeeding of workpiece.

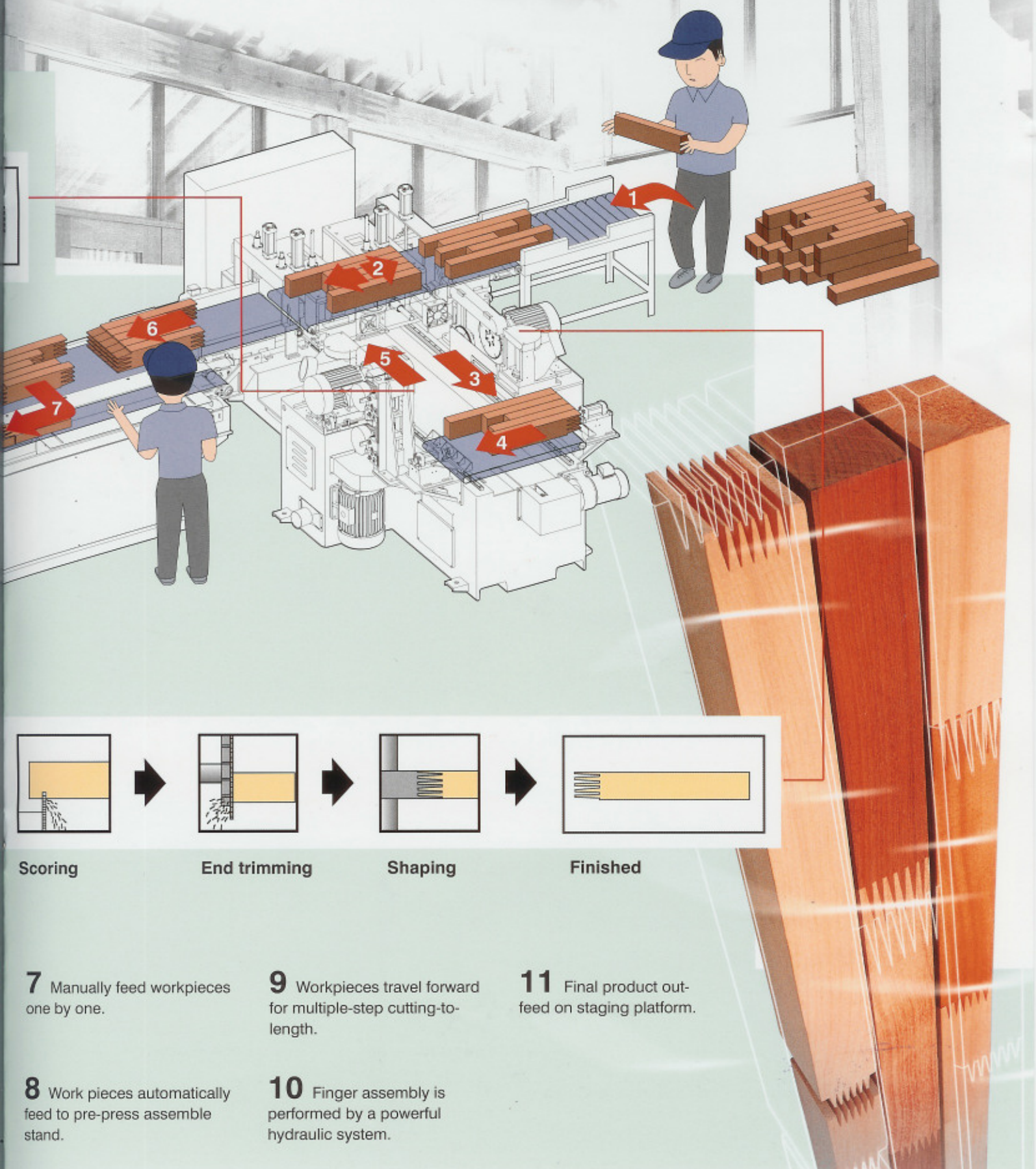
2 Automatic feed table.
Automatic alignment.

3 **Right Finger Shaper**
performs scoring, trimming,
and shaping on right end of
workpiece.

4 Workpieces automatically
travel into left finger shaper.
Automatic alignment.

5 **Left Finger Shaper**
performs scoring, trimming,
shaping and gluing on left end
of workpiece.

6 Workpieces travel onto the
standby conveyor, then feed
forward onto automatic feeding
table.



F-C31

Capacity 650mm(W)x1000mm(L)

F-C32S

Capacity 450mm(W)x700mm(L)

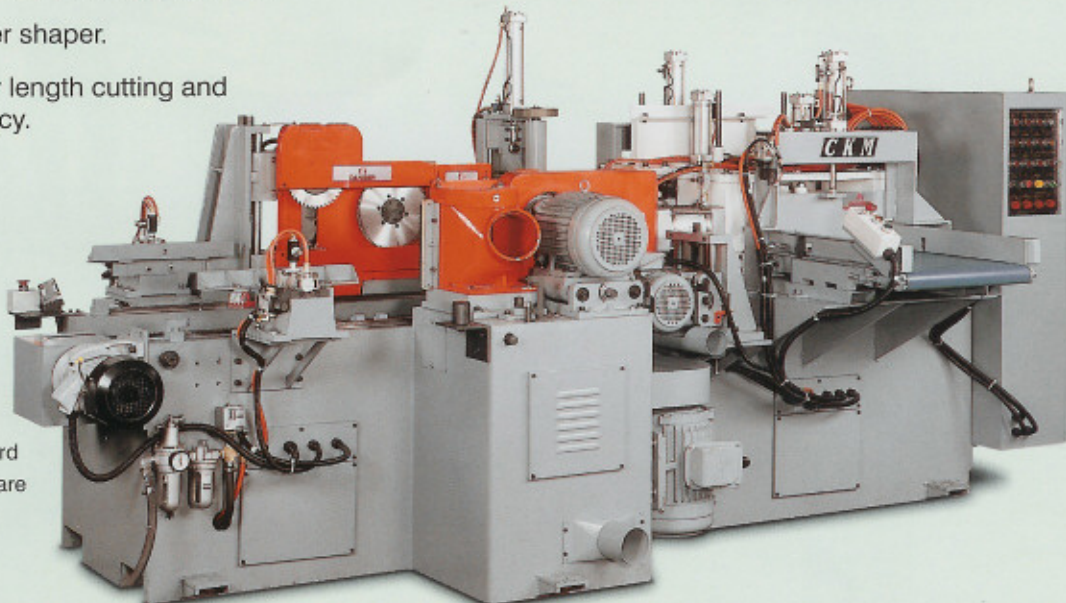
FINGER SHAPER WITH SCORING

- Auto series.
- Specially designed for short stock up to 120mm.
- With scoring saw on finger shaper.
- Synchronized motions for length cutting and jointing for higher efficiency.

- Finger shaper is equipped with front and back sheet metal guard.



- Front and back sheet metal guard and right and left screen guard are removed for demonstration purpose.



FINGER SHAPER (Left Hand)

It combines three functions-scoring, trimming, shaping in a unit on left end of the workpiece.

The mechanism performs scoring, trimming, shaping operations on left end of the workpiece. Scoring blade in front of trimming blade cut bottom edge giving tear-free. Finger cutters produce smooth finger shape, cutting capacity 160mm wide.

FINGER SHAPER (Right Hand)

It combines four functions-scoring, trimming, shaping and gluing on right end of the workpiece.

The mechanism performs scoring, trimming, shaping and gluing operations on right end of the workpiece. Scoring blade cut top and bottom edge giving tear-free.

F-D11

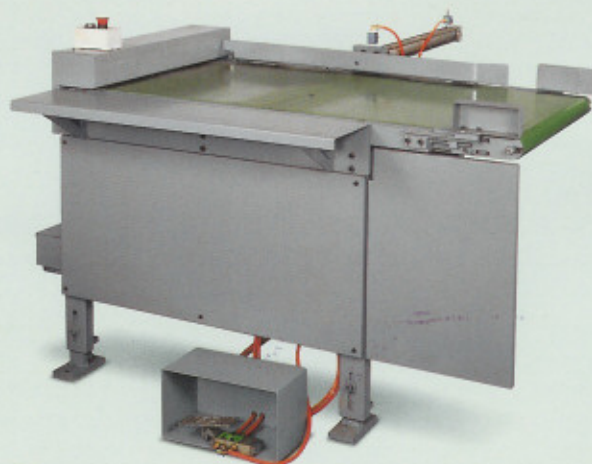
650mm width

F-D13

450mm width

PNEUMATIC FEEDING TABLE MANUAL WORKPIECE TURN-OVER

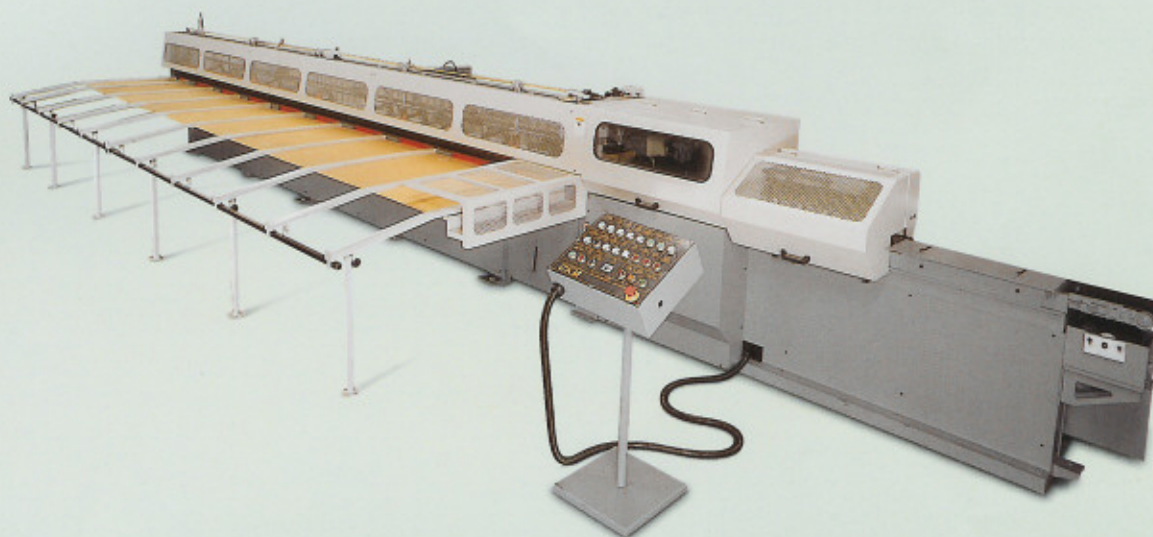
- The workpieces are turned-over before feeding to automatic feeding table.
- At this station, the operator may inspect cutting quality produced by finger shapers.



F-A08

FINGER ASSEMBLER CHOICE OF 4.5 OR 6 METERS

- For jointing two short sticks end to end to produce a longer one, up to 4.5 meters or 6 meters in length. Two-step sequence of finger assembler from feeding, multiple-step cut-off to pressing, outfeed is synchronized.
- Movable control box provides added convenience of operation.



F-I05 450mm width F-I08 650mm width

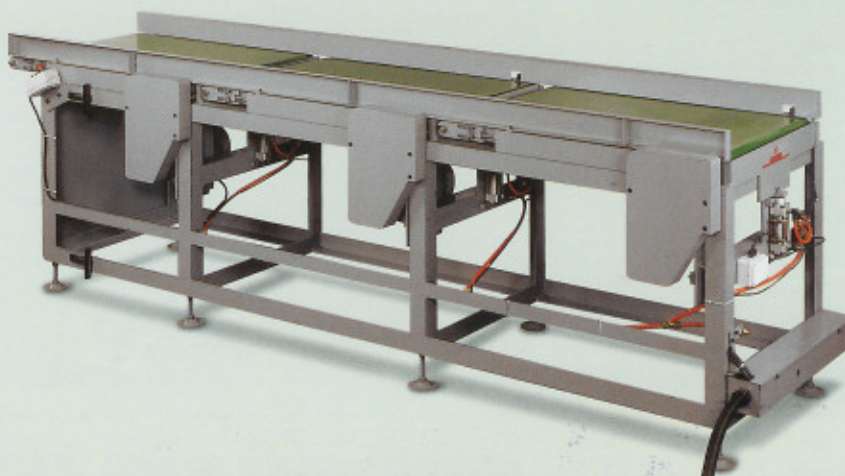
ROLLER TYPE CONVEYOR TABLE (Standard)



F-I01

MULTI-STAGE INITIAL CONVEYOR TABLE (Optional)

- The three initial infeed tables allows for continuous infeed of workpiece.



SPECIFICATIONS

AUTOMATIC FINGER SHAPER

	F-C32S	F-C31
Max. working width	450mm	650mm
Range of material length	150~700mm	150~1000mm
Range of material height	30~160mm	30~160mm
Trim saw speed	2800 RPM(50HZ), 3400 RPM(60HZ)	2800RPM(50HZ), 3400 RPM(60HZ)
Finger cuter speed	5000RPM	5000RPM
Scoring saw speed	2800 RPM(50HZ), 3400 RPM(60HZ)	2800 RPM(50HZ), 3400 RPM(60HZ)
Upper scoring saw speed	2800 RPM(50HZ), 3400 RPM(60HZ)	2800 RPM(50HZ), 3400 RPM(60HZ)
Lower scoring saw speed	2800 RPM(50HZ), 3400 RPM(60HZ)	2800 RPM(50HZ), 3400 RPM(60HZ)
MOTOR HORSEPOWER		
Table drive motor	2HPx1	2HP
For table drive	1/2HPx3	1/2HPx3
For scoring saw	1HPx3	1HPx3
For trim saw	5HPx2	10HPx2
For finger cutter spindle	15HPx2	20HPx2
Finger cutter specif. (I.D./Max.O.D.)	ø70/ø160mm	ø70/ø160mm
Dust outlet diameter	6"x4	6"x4
Machine dimension (LxWxH)	3450x2130x1700mm	3750x3070x1650mm
Noise level	88.2Db	88.2Db
Packing dimension (LxWxH)	3550x2230x1800mm	4850x2130x1750mm

NOTE: ø50mm Clamping collars with various thickness for finger cutter are optional accessories to be ordered.

ASSEMBLE PRESS

	F-A08 (4.5M)	F-A08 (6M)
Max. product length	4500mm	6200mm
Range of material width	15-160mm	15-160mm
Range of material height	15-60mm	15-60mm
Feed speed	80m/min	80m/min
Range of pressing pressure	0-150Kgs/cm²	0-150Kgs/cm²
Production rate	5pcs/min	3-4pcs/min
MOTOR HORSEPOWER		
For feedinf	2HPx1, 5HPx1	2HPx1, 5HPx1
For hydraulic pump	5HP	5HP
For sizing	5HP	5HP
Sawblade specif	3Txø25.4xø355mm	3Txø25.4xø355mm
Dust outlet diameter	4" (101.6mm)	4" (101.6mm)
Machine dimensions (LxHxW)	7990x1380x1400mm	9690x1380x1510mm
Noise level	84Db	84Db
Packing dimensions (LxHxW)	6360x1050x1500mm	8060x1050x1500mm
Packing dimensions (LxHxW)	3210x610x1180mm	3210x610x1180mm

PNEUMATIC FEEDINF TABLE

	F-D13	F-D11
Conveyor table width	450mm	650mm
Table height	860mm	860mm
Feed drive motor	1HP	1HP
Overall length	1420mm	1420mm
Overall width	1390mm	1790mm
Overall height	975mm	975mm

WORKPIECE REST TABLE

	F-105	F-108
Table width	450mm	650mm
Table height	970mm	970mm
Overall length	700mm	700mm
Overall width	560mm	860mm
Overall height	960mm	960mm
Packing dimensions (LxHxW)mm	800x1020x660	800x1020x960

* All specifications, dimensions and design characteristics shown in this catalogue are subject to change without notice.

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