



[ 80 ] On Inquiry Card

**Koch Trim-Pro**

KOCH MACHINERY + SYSTEMS offers the Trim-Pro double-end tenoner. The Trim-Pro feed system rides on linear guides for maximum accuracy with automatic lubrication. Heavy-duty construction, easy and precise adjustment by screws with thrust bearings and digital readouts, and a return outfeed "lift type" for delicate parts are just a few of the features of the Trim-Pro. KOCH MACHINERY + SYSTEMS has a long tradition for providing stationary concepts for boring and dowel driving with PTP technology. These machines offer flexibility for short runs, but also increase the production in work cells by off-loading slow operations from CNC work centers, according to the company. Not bound by a fixed center distance, the machines can be adapted for many applications.

<b>Manufacturer/Brand Name</b>	Koch
<b>Model</b>	Model Trim-Prom
<b>Infeed Length</b>	1300mm-2,500mm
<b>Traverse Speed</b>	Up to 16 parts/min.
<b>No. Stations Available</b>	4
<b>Station Motor Size</b>	Up to 10 hp

<b>Manufacturer/Brand Name</b>	Cattelan
<b>Model</b>	Automatic Double End Tenoner GT2200
<b>Infeed Length</b>	6"-86"
<b>Traverse Speed</b>	15-80 fpm
<b>No. Stations Available</b>	1-3
<b>Station Motor Size</b>	2-7.5 hp

**Cattelan Automatic Double End Tenoner**

GT 2200, the Cattelan Automatic Double-End Tenoner, utilizes three 6,000-rpm (up to 7.5 hp) motors on each side mounted on a heavy-duty frame. Workpieces (6 to 86 in.) are guided by low maintenance feed chain from a hopper with sensor and pneumatic positioner. The tenoner has motorized width adjustment with digital display. It can handle up to 2.5-in.-thick workpieces at a rate of 15 to 80 fpm.



[ 81 ] On Inquiry Card

See ad on pg. 26



[ 82 ] On Inquiry Card

**Friulmac's Quadramat line**

The Quadramat line from Friulmac is designed to process a wide range of operations, for both solid wood and panel products. All versions of the Quadramat are built based on a modular concept to suit all your needs and production requirements.

<b>Manufacturer/Brand Name</b>	Friulmac
<b>Model</b>	Quadramat
<b>Infeed Length</b>	1,060mm-1,922mm
<b>Traverse Speed</b>	Up to 5 m/min.
<b>No. Stations Available</b>	1-8
<b>Station Motor Size</b>	Varies

<b>Manufacturer/Brand Name</b>	IMA America Corp.
<b>Model</b>	FBA Concept Plus
<b>Infeed Length</b>	900mm and up
<b>Traverse Speed</b>	10-50 m/min.
<b>No. Stations Available</b>	Varies
<b>Station Motor Size</b>	Varies

**IMA North America's FBA Concept Plus**

FBA Concept from IMA America Corp. is a throughfeed processor used for panel sizing and profiling on various raw materials such as chipboard, MDF, OSB, solid wood, plywood and other material. For sawing, trimming, profile cutting, sanding or splitting, the FBA can be manually operated or fully automatic controlled. The FBA Concept is a Windows-based, Icos open modern PC control system. The FBA Concept applies length and crosswise processing by using one machine only.



[ 83 ] On Inquiry Card



[ 84 ] On Inquiry Card

**TSG-J heavy-duty double-end tenoner by GMC Service**

The TSG-J by GMC Service is a standard double end tenoner with a fixed base. This machine allows for a total of eight (4 + 4) motors and can still be equipped with most motors allowing for the capabilities of manual to CNC operations. These machines come standard with a 120mm minimum closing of the chains.

<b>Manufacturer/Brand Name</b>	GMC	GMC	GMC
<b>Model</b>	TSG	TSG-J	Solutions
<b>Infeed Length</b>	Varies	450mm, 810mm, 1,170mm	Varies
<b>Traverse Speed</b>	Up to 30 m/min.	Up to 30 m/min.	Up to 6 m/min.
<b>No. Stations Available</b>	Varies	4+4	Varies
<b>Station Motor Size</b>	3-18 hp	2-15 hp	3-18 hp

<b>Manufacturer/Brand Name</b>	Jenkins Systems	Jenkins Systems	Jenkins Systems
<b>Model</b>	5100 CNC Feed-Thru Shape and Sand SET	3200 Series SET	2200 Series DET
<b>Infeed Length</b>	30"	12"-72"	12"-72"
<b>Traverse Speed</b>	N/A	N/A	6 in./sec.
<b>No. Stations Available</b>	1-4	1-8	1-8
<b>Station Motor Size</b>	Up to 20 hp	¾-25 hp	¾-20 hp

**Jenkins double- and single-end tenoners**

Jenkins double- and single-end tenoners utilize proven technology, precision feed chains and structurally solid designs. Exclusive True-Blend contouring reduces sanding and improves product finish. Minimize changeover time with quick-change counter-rotating direct drive spindles, tool changers, CNC controlled axis and easy-to-use touch screen and operator interface. Tenoners are custom built and configured to profile, shape, sand, jump tenon, angular gain, bore, route and haunch.



[ 85 ] On Inquiry Card



[ 86 ] On Inquiry Card

**Accu-Systems CXT Tenon Machine**

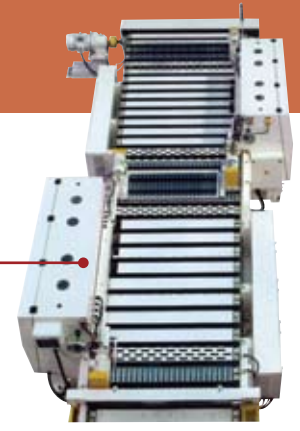
The Accu-Systems CXT machine series is designed to produce four tenons with each cycle. Two parts are machined at once with production rates in excess of 25 parts/min. Round tenons, square tenons and clipped tenons may all be done on this machine. CNC controls are used so all setups are fast and repeatable. The machine is designed to produce one at a time or batches. Other machining operations may also be incorporated into this style of machine.

<b>Manufacturer/Brand Name</b>	Accu-Systems	Accu-Systems	Accu-Systems
<b>Model</b>	CXT	MMTX	MMTJ
<b>Infeed Length</b>	N/A	N/A	N/A
<b>Traverse Speed</b>	N/A	N/A	N/A
<b>No. Stations Available</b>	1-4	4	2
<b>Station Motor Size</b>	3-9 hp	3-9 hp	3-9 hp

Manufacturer/Brand Name	Silver	Silver	Silver
Model	SMD-4830AP	SMX-3825A	SMX-320A
Infeed Length	9"-120"	9"-98"	9"-80"
Traverse Speed	16"-60"	16"-60"	16"-60"
No. Stations Available	8	6	6
Station Motor Size	4-10 hp	4-10 hp	4-10 hp

### Silver Random End Tenoner

This Silver Random End Tenoner model works for random flooring tenon profiles. This machine could shape a maximum 120 pieces flooring per minute with exact quality and flexible working function. This model also could process finger shaping and form a complete fingerjoint production line when combined with other units.



[ 87 ] On Inquiry Card



[ 88 ] On Inquiry Card

### Lobo Tenoners

Lobo Machinery Corp. offers a range of high-quality tenoners. Features include: single- or double-sided, sliding table, carriage or throughfeed two to 10 heads, combination of saw, coping, moulding and sanding.

Manufacturer/Brand Name	Lobo	Lobo	Lobo
Model	SET-100	SFJ-530	SET-52SAT
Infeed Length	Varies	Varies	Max. 6"
Traverse Speed	Varies	Varies	Varies
No. Stations Available	1	3	6
Station Motor Size	3 hp	15 hp	3-5 hp

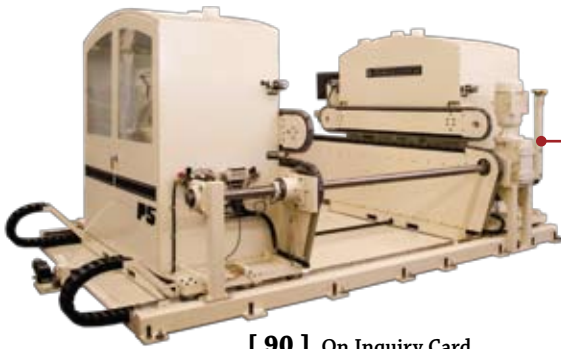
Manufacturer/Brand Name	Homag	Homag	Homag
Model	FPL 526	FPL 516	FPL 226
Infeed Length	1,500mm	1,500mm	1,250mm
Traverse Speed	2.2-20 m/min.	N/A	2.2-5 m/min.
No. Stations Available	1-8	1-8	1-8
Station Motor Size	2.2-11 kW	2.2-11 kW	2.2-6 kW

### Homag DET 200 and 500

The Homag DET 200 is a longitudinal feed double-end tenoner that can process all four sides of a piece on two passes, making it very productive. Doors, flooring, windows and panels are excellent candidates for this technology. You can size, square, profile, groove and rabbet with this economical machine. The Homag DET 500 is a high-speed, heavy-duty double-end tenoner for sizing and profiling particleboard, MDF, OSB, etc. By using a modular design, this tenoner can be custom configured as required. The DET 500 can be used as a stand-alone machine or used in manually fed or fully automated production lines. Homag double-end tenoners are part of the full range of Total Production Solutions offered by Stiles, including advanced equipment integration, experienced manufacturing consulting and service and support.



[ 89 ] On Inquiry Card



[ 90 ] On Inquiry Card

### Progressive Systems P-5 Double End Tenoner

Progressive Systems introduces its new P-5 Double End Tenoner, which is designed for high production precision machining and sanding of kitchen cabinet components. Features of this machine are as high-speed spindle motors with HSK quick removable tooling on each side of machine; CNC Servo motor adjustment of spindle motors on rails and bearings with guaranteed  $\pm .001$  positioning accuracy for fast size and profile changes; touch-screen computer control and bar code setup of all spindle motors; adjustable feed chain and hold-downs; and precision needle bearing feed chains with CNC selectable pop-up feed legs for optimum squareness accuracy.

Manufacturer/Brand Name	Progressive Systems
Model	P5 Single, P5 Double End, 1000
Infeed Length	4"-144"
Traverse Speed	500 ipm nominal up to 1,000 ipm
No. Stations Available	1-11
Station Motor Size	1-30 hp

Manufacturer/Brand Name	Mereen-Johnson Machine Co.
Model	2000 Series
Infeed Length	30"-60"
Traverse Speed	Up to 70 ipm
No. Stations Available	1-5 per side
Station Motor Size	2-2.5 hp

### Mereen-Johnson single- and double-ended tenoners

Industry leading technology is integrated with robust weldment and cast iron construction to provide the accuracy and quality of finish you need, even at high production speeds. Mereen-Johnson Machine Company manufactures a complete line of single- and double-end tenoners, from single station precision end trim machines which can be integrated with your moulder to large two pass, multiple station systems. CNC setup and motion control capability, as well as Mereen-Johnson's exclusive "Top Lock" tool changing system can be provided to reduce changeover times, increase efficiencies, improve accuracy, reduce rejects and improve profit margins for virtually any application requirement, the company says.



[ 91 ] On Inquiry Card



[ 92 ] On Inquiry Card

### Celaschi Progress

The Progress Single End Tenoner has a patented new high-speed and high-capacity tool changer. The tool change time is under 20 seconds for five tools, plus each carousel holds 20 tools. This technology represents how a customized, configurable machine can benefit mid- to large-size manufacturers of kitchen cabinet doors. Features of the Progress include an advanced operator interface with specialized manufacturing software, fast setup, automatic tool change, sizing capability and arching of panels. This "SET" has resonated well with the market as small batch sizes of the custom door business have grown, the company says.

Manufacturer/Brand Name	Celaschi	Celaschi	Celaschi
Model	Progress	Synergy Modul "T"	PA offset chain Double End Tenoner
Infeed Length	Varies	Varies	Varies
Traverse Speed	N/A	Up to 400 ipm	Up to 400 ipm
No. Stations Available	1-8	2-12	2-8
Station Motor Size	$\frac{3}{4}$ -15 hp	$\frac{3}{4}$ -15 hp	$\frac{3}{4}$ -18 hp