

PILLAR MACHINE

Award Winning CNC Woodworking Machinery Built in the USA



Call us for more information



John G. Weber Co., Inc.

NEW & USED SALES, SERVICE, INSTALLATION AND TRAINING IN WOODWORKING MACHINERY

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<http://johngweber.com> service@johngweber.com

Does your manufacturing process have room for improvement?

At Pillar Machine we enable companies to become more competitive through providing custom manufacturing solutions that help improve product quality, reduce production costs and minimize human error. Tasks once done manually can now be accomplished with the push of a button, allowing our sophisticated CNC machines to work hand-in-hand with the traditional workmanship that you are accustomed to. We work with 40+ machinery dealership in North America and Regional Sales Engineers.



We are known as the innovators in the woodworking machinery industry. Our line of machinery has been in the industry since 1983 as we acquired the Accu-Systems line in 2013. Since then, Pillar has engineered four additional machines for the industry and continues to make robust improvements to all its standard stock machines. Today, Pillar Machine is considered the world leader in the manufacturing CNC mortise and tenon machines as well as CNC dowel insertion machines.

Our world class service department has the ability to log into your machine remotely to diagnose issues fast in order to minimize your down time.

Whether you are a small



Drilling & Dowel Inserting



Haunch Joints



Miter Joints



shop or a large corporation,

We focus on your individual production requirements and strive to provide an affordable and integrated solution that will give your business the highest competitive advantage.



MACHINE NAME	M45	MMTJ	MMTX
Doors Per 8 Hrs	150-175	175-200	400-500
CNC Axis'	2	3	6
Work Zones	2	2	4
Material Width	1 1/2" to 3 1/2"	1 1/2" to 3 1/2"	1 1/2" to 3 1/2"
Material Thickness	5/8" to 1"	5/8" to 1"	5/8" to 1"

MITER MACHINES

M45

Mortise & Tenon Miter Joints



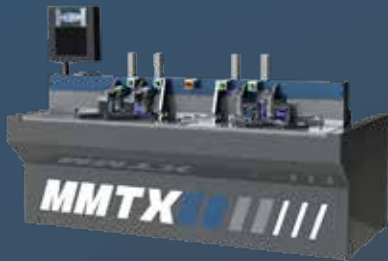
The M45 is our smallest machine designed for creating Blind Mortise, and Tenon joints on a Mitered angle. It is a full 2 axis CNC machine. The table top is V-shaped to allow machining of two parts at one time. Referencing is done on both the out-side and face of the profile for accurate joints. The computer controls the size of the mortise and tenon. Programs are stored and recalled as needed. Changing from program to program is accomplished in seconds. Small runs as well as large batches may be done on this machine. This machine produces between 150-175 doors per 8 hour shift with one operator.

SIZE W x D x H	PSI Air	POWER Requirement	PORTS Dust Collection	CFM Dust Collection
68 x 53 x 72	90 - 110	220 V 3 Ph	4" (2x)	700

STOCK

MMTX

Mortise & Tenon Miter Joints



The MMTX is the industry's highest producing machine designed for creating Blind Mortise, and Tenon joints on a Mitered angle. It is a full 6 axis CNC machine. It is much like our MMTJ and M45 machines with exception that it has one dedicated carriage to produce the tenon end and another dedicated carriage to produce the mortise side. Each side of the machine has two loading stations. The computer controls the size of the mortise and tenon. Changing from program to program is accomplished in seconds. Small runs as well as large batches may be done on this machine. This machine produces between 400-500 doors per 8-hour shift with one operator.

SIZE W x D x H	PSI Air	POWER Requirement	PORTS Dust Collection	CFM Dust Collection
110 x 52 x 71	90 - 110	220 V 3 Ph	4" (2x) 6" (1)	1400

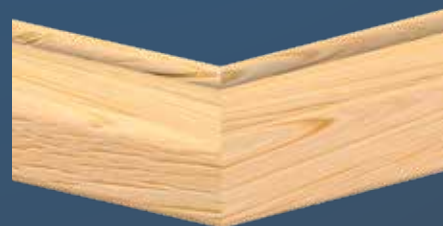
We make two different kinds of Miter joints; Finger Joints and Mortise and Tenon joints.



Finger Joint Miter

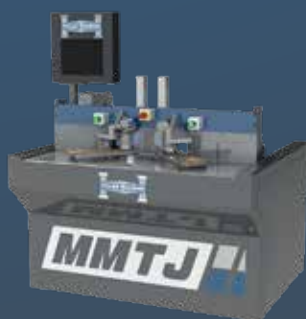


Mortise & Tenon Miter



MMTJ

Mortise & Tenon Miter Joints



The MMTJ is our most popular machine designed for creating Blind Mortise, and Tenon joints on a Mitered angle. It is a full 3 axis CNC machine. The table top is V-shaped to allow machining of two parts at one time. Referencing is done on both the outside and face of the profile for accurate joints. The computer controls the size of the mortise and tenon. Programs are stored and recalled as needed. Changing from program to program is accomplished in seconds. Small runs as well as large batches may be done on this machine. This machine produces between 175-200 doors per 8 hour shift with one operator.

SIZE	PSI	POWER	PORTS	CFM
W x D x H 63 x 53 x 71	Air 90 - 110	Requirement 220 V 3 Ph	Dust Collection 4" (2x)	Dust Collection 700

STOCK

FJ

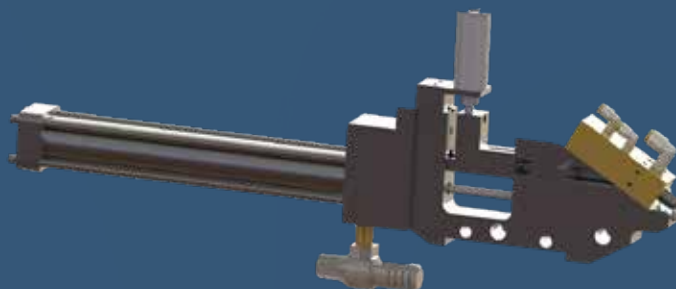
Mitered Finger Joints



The FJ is a dual spindle PLC machining center used for producing high quality finger joint miter parts used in cabinet door manufacturing. It includes two 5 HP motors for cutting the miter and two 1 HP spindles for drilling dowel holes. There is a hogging tool to remove the majority of material before the finger joint is cut. This saves on tooling costs for finger joint tools. The FJ is driven and controlled by a Galil PLC. This means there is no potentially complicated computer to operate. Because this machine has two independent carriages, it can simultaneously cut two parts at one time, making it extremely fast. It can produce between 250-350 doors per 8 hour shift with one operator.

SIZE	PSI	POWER	PORTS	CFM
W x D x H 75 x 32 x 54	Air 90 - 110	Requirement 220 V 3 Ph	Dust Collection 4" (2x)	Dust Collection 700

Our dowel inserting machines use an injector that works with either water or glue.



DOWEL MACHINES

H49

Horizontal Bore & Dowel



The H49 is a horizontal bore and dowel CNC machining center used for case construction in cabinet or furniture manufacturing. With the H49, you get quick and accurate assembly, gaining production times on CNC routers and point to points by shifting horizontal boring to this machine. It is designed to CNC position the spindle, bore a hole, then CNC position the inserter, inject glue or water, then insert a dowel into the hole. There are 2 working zones on the standard H49 model allowing for pendulum processing. While one part is being machined, the other zone can be loaded and queued for machining. All of this is done during a cycle time of less than one second. The H49 has a 49" working table with 2 work zones.

SIZE	PSI	POWER	PORTS	CFM
W x D x H	Air	Requirement	Dust Collection	Dust Collection
78 x 52 x 76	90 - 110	220 V 3 Ph	3" (1x)	350

STOCK

HPLD

Horizontal Bore & Lockdowel

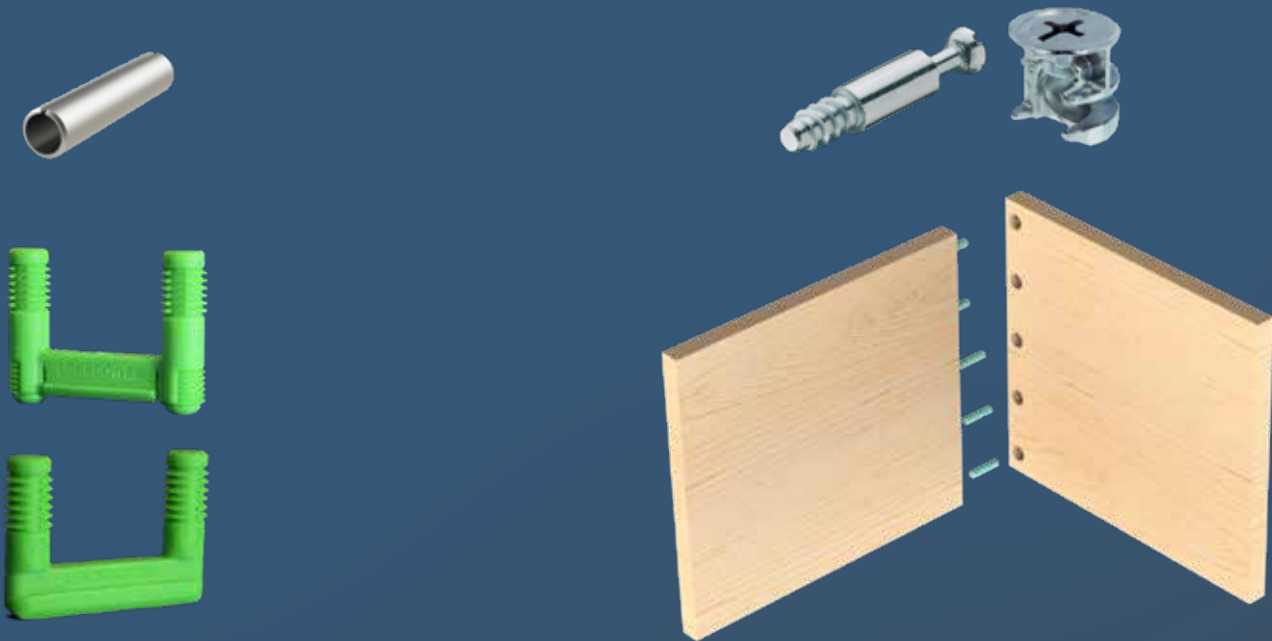


The HPLD is a horizontal point to point Lockdowel inserting machine. This machine will insert H-clips, Channel Locks and Spring Pins with ease. Using CNC control, this machine positions the drilling spindle to bore holes and insert the Lockdowel hardware. Using the HPLD will allow you to produce three times as much product without needing more employees. There's no need for glue or clamping with the HPLD and Lockdowel system. Lockdowels help reduce assembly time by 80% or more. Putting together cases, cabinets and furniture should take minutes, not hours. Cabinets built with EClips are SEFA 8 tested and passed. They are in compliance with AWI standards. You also have the ability to link to Cabinet Vision's screen-to-machine software.

SIZE	PSI	POWER	PORTS	CFM
W x D x H	Air	Requirement	Dust Collection	Dust Collection
101 x 66 x 77	90 - 110	220 V 3 Ph	3" (1x)	350

STOCK

Insert wood dowels with our H49, HPJ and HPJV machines or eClips from Lockdowel using the HPLD machine. Our HPJV machine will drill holes for using MiniFix / Cam Locks.



HPJ

Horizontal / Vertical Bore & Dowel



The HPJ machine is a horizontal and vertical point to point bore and dowel insertion machine center used for case construction in cabinet or furniture manufacturing. With the HPJ, you get quick and accurate assembly, gaining production times on CNC routers and point to points by shifting horizontal boring to the HPJ. It is designed to CNC position the spindle, bore a hole, then CNC position the inserter, inject glue or water, then insert a dowel into the hole. While one part is being machined, the other 3 zones can be loaded and queued for machining. All of this is done during a cycle time of less than one second. The HPJ has a 49" working table with 4 work zones.

				
SIZE W x D x H	PSI Air	POWER Requirement	PORTS Dust Collection	CFM Dust Collection
79 x 57 x 71	90 - 110	220 V 3 Ph	3" (1x)	350

STOCK

HPJV

Horizontal / Vertical Bore & Dowel



The HPJV machine is a horizontal and vertical point to point bore and dowel insertion machine used for case construction in cabinet or furniture manufacturing. The HPJV has separate independent horizontal and vertical spindles allowing machining in both positions to happen in one operation. This lends itself to drawer box construction as well as MiniFix or Cam Lock hardware. With the HPJV, you get quick and accurate assembly, gaining production times on CNC routers and point to points by shifting horizontal boring to the HPJV. It is designed to CNC position the spindle, bore a hole, then position the inserter, inject glue or water, then insert a dowel.

				
SIZE W x D x H	PSI Air	POWER Requirement	PORTS Dust Collection	CFM Dust Collection
92 x 53 x 77	90 - 110	220 V 3 Ph	3" (1x)	350

COPE & HAUNCH MACHINES

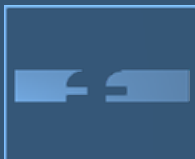
CMJ

Chip-Free Coping



The CMJ is a machine designed for chip free coping or tenoning of either square or profiled parts without the need for a back-up piece or chip breaker. In an 8-second-cycle it can process either two top/bottom rails or one mid rail that is pre-profiled. This version of the CMJ has stacked tooling that allows you to switch between two inside profiles with the flip of a switch.

SIZE	PSI	POWER	PORTS	CFM
W x D x H 58 x 32 x 57	Air 90 - 110	Requirement 220 V 3 Ph	Dust Collection 4" (2x)	Dust Collection 700



STOCK

CMJ-HSK

Chip-Free Coping



The CMJ-HSK is a machine designed for chip free coping or tenoning of either square or profiled parts without the need for a back-up piece or chip breaker. In an 8-second-cycle it can process either two top/bottom rails or one mid rail that is pre-profiled. The CMJ-HSK has 2 counter rotating vertical spindles that have a quick tool change capability. If you are running multiple inside profiles per day, this will save you hours of time.

SIZE	PSI	POWER	PORTS	CFM
W x D x H 58 x 32 x 57	Air 90 - 110	Requirement 220 V 3 Ph	Dust Collection 4" (2x)	Dust Collection 700



HMJ

Haunch / French Miter Joints



The HMJ is a CNC machining center used for producing high quality Haunch Joints which are used in many furniture and cabinetry applications. The haunch head miters the profile for beaded face frame applications on both stiles and rails.

SIZE	PSI	POWER	PORTS	CFM
W x D x H 177 x 37 x 82	Air 90 - 110	Requirement 220 V 3 Ph	Dust Collection 4" (1x)	Dust Collection 350



PANEL PROCESSING MACHINES

2S

Size and Square Edge-Glued Panels



The 2S is a multi-axis, multi-functional CNC horizontal machine. It is designed to size and square edge glued panels safely and accurately. The 2S can also be Pillar-Linked to any order entry program to scan bar-codes. This will virtually eliminate the need for the operator to do anything other than load the part to be cut. One of the greatest features of the 2S is the safety factor. The potential risk of getting fingers in the way of the saw blade is nearly non-existent. Once a panel size is entered it takes about 30 seconds to size the panel to the correct dimension.

SIZE W x D x H	PSI Air	POWER Requirement	PORTS Dust Collection	CFM Dust Collection
94 x 75 x 61	90 - 110	220 V 3 Ph	4" (1x)	350



STOCK

TSS

Trim Score Saw



The TSS was designed to cut materials that are susceptible to tear-out as well as for pack cutting of multiple parts at the same time. The saw will feature two counter rotating saws mounted above and below the parts being cut. The bottom saw is designed for pre-scoring parts prior to cut off to prevent tear out. The top saw does the actual part cutting. This saw is powered by a 3 HP motor turning at 4700 RPM. This machine can be integrated with a auto-feed system such as Tigerstop.

SIZE W x D x H	PSI Air	POWER Requirement	PORTS Dust Collection	CFM Dust Collection
32 x 72 x 57	90 - 110	220 V 3 Ph	4" (2x)	700



CXEP

End Panel Processing



The CXEP double sided machining center is designed and configured for high-production cabinet end panels. Due to our CNC "Walking Beam" technology and multiple station design, a variety of operations on multiple sides can be performed simultaneously. CNC controls are used for fast and repeatable set ups. Depending on the configuration, part size and box construction methods used, this machine is capable of producing up to 12 end panels per minute! Many configurations are available.

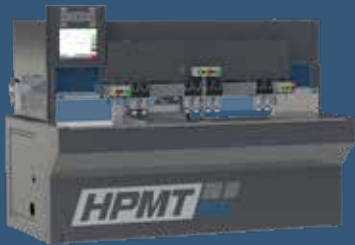
SIZE W x D x H	PSI Air	POWER Requirement	PORTS Dust Collection	CFM Dust Collection
120 x 183 x 93	90 - 110	220 V 3 Ph	6" (3) 4" (2)	2500







CUSTOM TO YOUR NEEDS

HPMT

Horizontal Mortise and Tenon



The HPMT is an ideal general utility CNC mortise and tenon machining center. This machine has a full 3 axis CNC control system. You have the option to drill, louver grooving, hinge pocketing and many other features. It can be configured for almost any type of furniture, chair, or cabinet construction application. It comes in 48 inch and 96 inch working table lengths.

				
SIZE W x D x H	PSI Air	POWER Requirement	PORTS Dust Collection	CFM Dust Collection
Custom	90 - 110	220 V 3 Ph	Custom	Custom







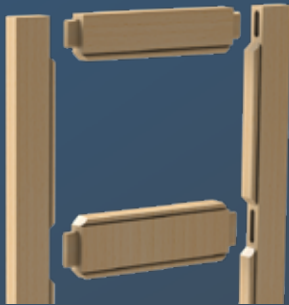
MTH

Mortise Tenon Haunch



The MTH is a multi-axis CNC horizontal machining center. It is used for producing high quality haunched mortise and tenon joints which are used in many furniture and cabinet applications. The haunch head miters the profile for beaded face frames. This machine can be used to produce cabinet doors and entry door products as well.

				
SIZE W x D x H	PSI Air	POWER Requirement	PORTS Dust Collection	CFM Dust Collection
Custom	Custom	220 V 3 Ph	Custom	Custom



OHV

Over Head Vertical



The OHV is a horizontal bore and dowel CNC machining center. It is equipped with a vertical overhead machining carriage. The machine fits a variety of applications such as chair construction and component parts used in cabinets or furniture.

				
SIZE W x D x H	PSI Air	POWER Requirement	PORTS Dust Collection	CFM Dust Collection
Custom	90 - 110	220 V 3 Ph	Custom	Custom



MACHINE SERVICE AND SUPPORT

By routinely maintaining your machine you can minimize repair costs and keep your production running smoothly. At Pillar Machine we provide real factory support on each machine sold. Our experienced technicians provide excellent service after delivery by phone and email assistance for any questions or concerns you may have. We pride ourselves in responding to customer questions with information and solutions in a timely and professional manner.

Machine downtime is inevitable no matter the machine or manufacturer. Downtime can be very expensive, at Pillar Machine we know this and do everything we can to make sure you get back up and running as quickly as possible.



REMOTE SERVICE AND DIAGNOSTICS THROUGH INTERNET CONNECTION

We remotely connect to your machine through an internet connection to service, diagnose or train your employees.



Industry Partners

We partner with industry leading design softwares including Cabinet Vision and Microvellum

cabinet vision

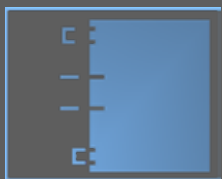
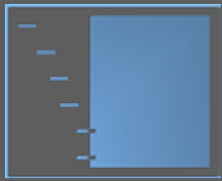
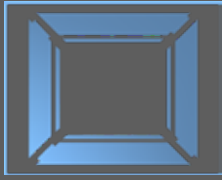
Microvellum

Integrate your Pillar machine with a stop gauge or material positioning system.

TigerStop® RAZORGAGE

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