

Safety Awareness Training KDW-13 Mortice Machine

Introduction.

This safety Awareness procedure forms part of the Knox and District Woodworkers Inc. Safety Awareness Program, and details the safety requirements to be adopted in the operation of the equipment described below.

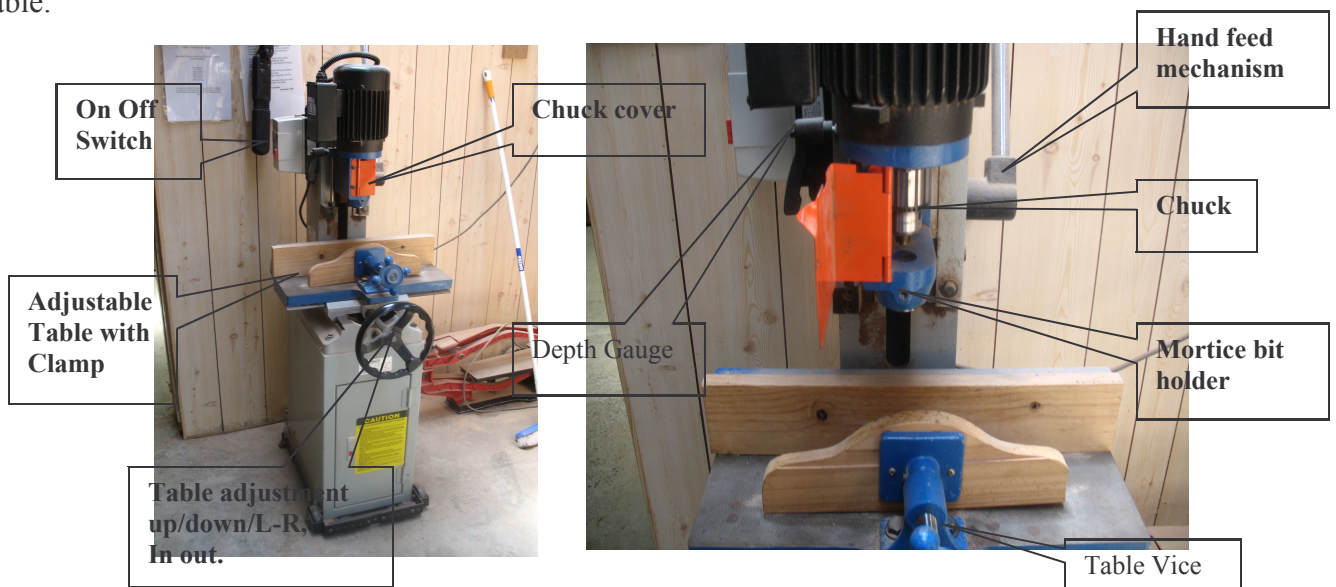
Definition.

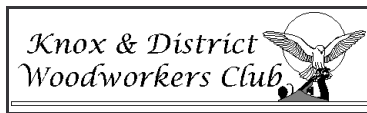
The Mortice Machine at KDWC is electrically powered machine that consist of a drilling head, work table which can be adjusted either vertically, horizontally, in and out and is designed to hold the work piece securely in position. The mortice is achieved through securing the required size mortice bit in the bit holder and the correct drill bit in the chuck, then secure the work piece on the table through the use of the purpose built clamp. The work is located under the drilling head and the drill is then lowered onto the work-piece through the use of a hand operated feed mechanism. This operation allows the drill bit and mortice bit to create the mortice to the required size and depth.

Safety. (General).

Prior to the operation of the Mortice Machine the following safety rules must be applied.

- Be aware of the emergency stop procedure. (Stop button is located at the front of the machine).
- Ensure the member is aware of other members in the immediate area.
- Ensure work area is clear of obstructions that may cause tripping or falling.
- Ensure member is aware of dangers associated with the movement of the chuck and drill bit.
- The dangers of loose clothing or long hair being caught in machinery is well documented, therefore when using this machine, the member must wear the appropriate clothing. (Ref KDW-01).
- Ensure the machine is adjusted appropriately to prevent the cutter or drill bit penetrating the work table.





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Operation.

The creating of Mortice Joints using the Mortice Machine normally consists of two basic operations, securing the work-piece and making the mortice to the desired size, length and depth.. The chuck cover must be closed and secured during the operation of this machine. Care must be taken in the positioning of the work-piece ensuring an appropriate piece of timber is positioned under the work to prevent the drill coming in contact with the work table, prior to starting the machining operation. During the mortice operation raise the drill bit several times to clear the hole and prevent the build up of waste causing excess heat and damaging the work-piece and the mortice bit. On completion of the first hole, move the work piece horizontally half a hole over and continue the drilling operation. Repeat this until the desired length of mortice is achieved.

The member must also be aware of the danger of his/her hands coming in contact with the drill bit and the chuck therefore keep hands and fingers clear of the drill bit and chuck at all times.

Housekeeping.

When operating any machinery or equipment ensure there are no obstacles, work or any other obstruction cluttering the work area. It is part of the member's responsibility to ensure an adequate level of housekeeping is maintained around each machine to ensure the safety of themselves and all other members.

Conclusion.

The above safety requirement is intended to ensure the safety and well being of all club members, for detailed instruction on the operation of the above equipment refer to the appropriate club members. It is expected that each member will ensure that all work undertaken is carried out with consideration and due care for all.