

WARNING: Uncrating and initial setup of a PM45-CNC mill and base is the owner's responsibility. The total unit weight is approximately 1100 lbs and proper lifting and moving techniques are necessary. If the user is not familiar with proper rigging techniques seek professional assistance. Without proper lifting and moving procedures and equipment, severe bodily harm or death may result.

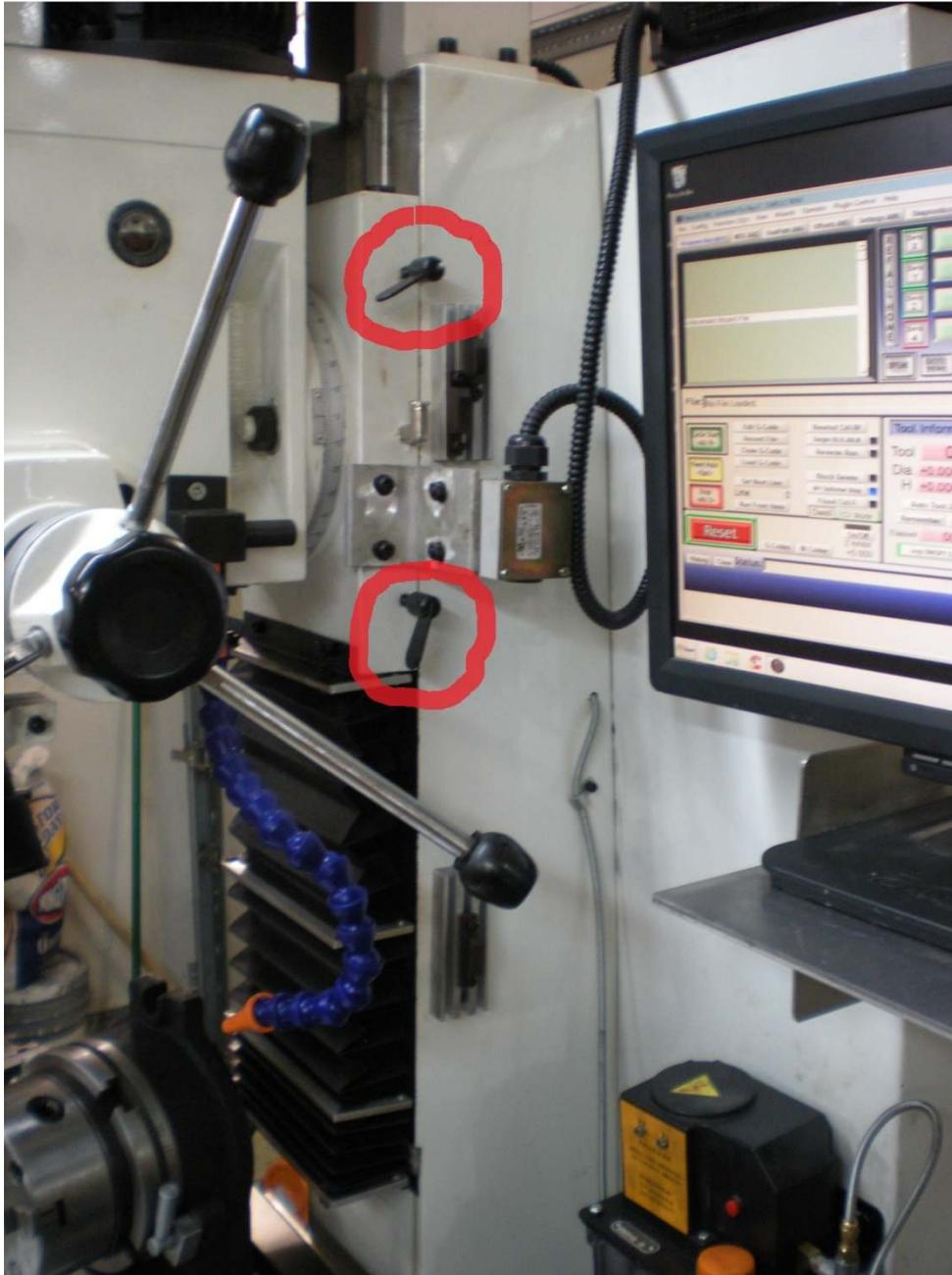
Resource for equipment moving and setup are commonly available by checking local Rigging Companies, Equipment Haulers, Furniture Movers and some Tow Truck Companies.

DISCLAIMER: No party associated with selling this equipment or authors/distributors of this document assume liability for personal injury, death or damage to equipment during moving, setup or use of the machinery. The owner/user or persons performing actions with this equipment are responsible for their own personal safety and/or damage to property.

Prior to lifting with a strap or chain firmly tighten the head jib locks with the head fully lowered.

During normal use of the mill in CNC mode, the Gib locks must be unlocked.

Show below are the locations of the head Gib locks.



A suitable chain or lifting strap may be wrapped around the head swivel plate and lifted onto the base. Be certain no damage occurs to any attachment wires or motor when lifting. The motor fan cover may be removed to facilitate room for a chain hook. Note that the base and drip pan are attached to the bottom of the mill at each corner with 4 supplied bolts.

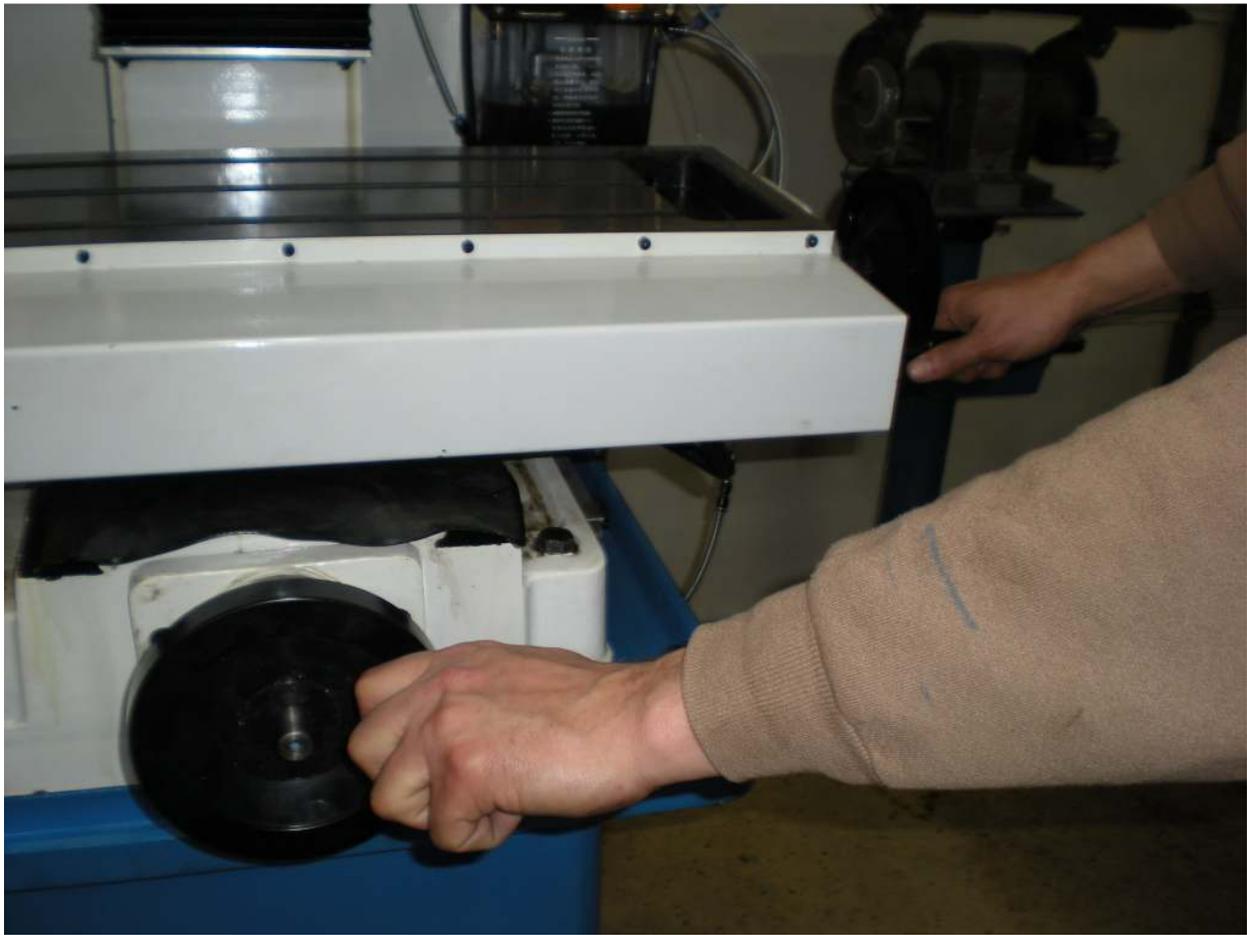


The user may wish to use a leveling base or shock absorption levelers on the base. The unit should be leveled carefully but, high precision leveling is not entirely necessary.

WARNING: The unit should be bolted to the floor or mounted on a suitably wide base if the user intends to work on heavy items with the mill table fully extended. Normal table loads under 100 lbs do not require floor bolting.



WARNING: During CNC operation of the mill the hand cranks will spin with significant force and possibly cause bodily injury. The protruding handle or the entire hand crank on all axis should be removed during CNC operation of the mill.



The X axis motor drive must be mounted to the table. The 4 screws and washers to attach the motor are located inside the mill table pocket. The protective paper on the mill table will need to be removed to locate the fasteners.



The connecting wires to the flood coolant system are located at the rear bottom of the panel.

WARNING: If the coolant system is not used, the leads must be individually terminated with electrical tape or other suitable wire terminators.



It is necessary to clean all the way surfaces on the X, Y and Z axis. A light lubricating oil or mineral spirits rubbed with a clean cloth is suitable to remove the storage grease. After cleaning all way surfaces, manually lubricate all way surfaces (X, Y and Z) with dedicated “way” oil. (see the section on lubrication).



The vertical ways are not lubricated by the automatic lubrication system. The oil caps must be filled with “way”. Check the caps frequently and always refill at the start of each use. If the head position is not frequently raised up/down with more than 6” of travel, the top of the ways must be lubricated frequently as shown in the prior photo.



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