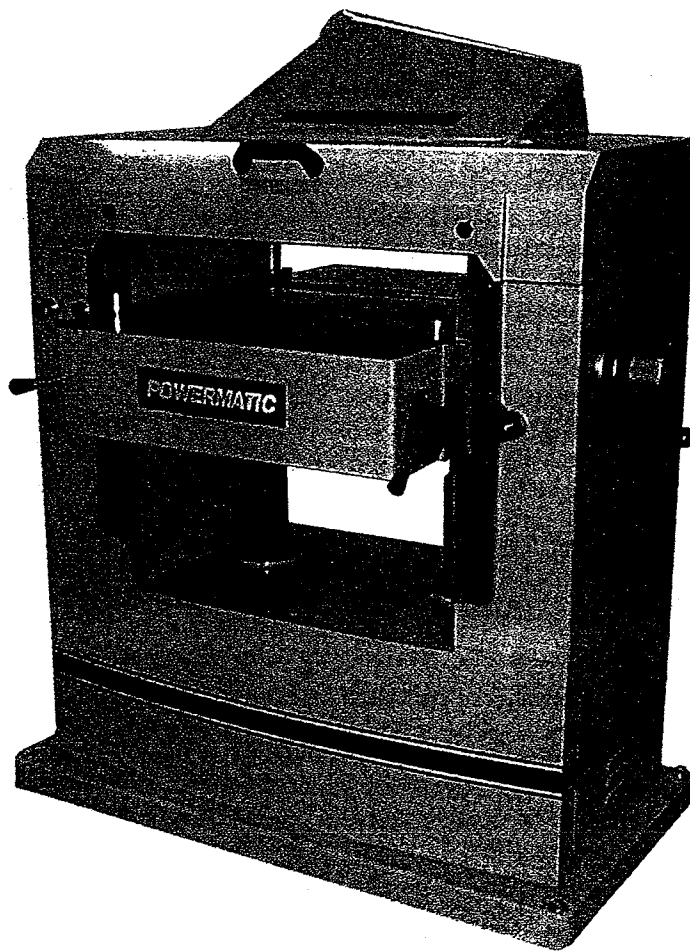


# 22" PLANER

## Model 201

Instruction Manual & Parts List  
M-0460224



# **POWERMATIC<sup>®</sup>**

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## SAFETY RULES

As with all machines, there is a certain amount of hazard involved with the use of this planer. Use the machine with the respect and caution demanded where safety precautions are concerned. When normal safety precautions are overlooked or ignored, personal injury to the operator can result.

**Read, understand and follow** the safety and operating instructions found in this manual. Know the limitations and hazards associated with this planer.

**Electrical grounding.** Make certain that the machine frame is electrically grounded and that a ground lead is included in the incoming electrical service. In cases where a cord and plug are used, make certain that the grounding plug connects to a suitable ground. Follow the grounding procedure indicated in the National Electrical Code.

**Eye safety.** Wear an approved safety shield, goggles, or glasses to protect eyes. (NOTE: Common eyeglasses are only impact-resistant, they are not safety glasses.)

**Personal protection.** Before operating the machine, remove tie, rings, watch and other jewelry and roll up sleeves above the elbows. Remove all loose outer clothing and confine long hair. Protective type footwear should be used. Where the noise exceeds the level of exposure allowed in Section 1910.95 of the OSHA Regulations, use hearing protective devices. Do not wear gloves.

**Guards.** Keep the machine guards in place for every operation for which they can be used. If any guards are removed for maintenance, DO NOT OPERATE the machine until the guards are reinstalled.

**Work area.** Keep the floor around the machine clean and free of scrap material, saw dust, oil and other liquids to minimize the danger of tripping or slipping. Be sure the table is free of all scrap, foreign material and tools before starting to cut. Make certain the work area is well lighted and that a proper exhaust system is used to minimize dust. Powermatic recommends the use of anti-skid floor strips on the floor area where the operator normally stands and that each machine's work area be marked off. Provide adequate work space around the machine.

**Avoid accidental starting:** Make certain motor switch is in off position before connecting power to the planer.

**Operator position.** Maintain a balanced stance and keep your body under control at all times. Stand to the left side out of line with the table and make sure no one else is standing in line with the table.

**Housekeeping.** Before turning on machine, remove all extra equipment such as keys, wrenches, scrap, and cleaning rags away from the machine

**Careless acts.** Give the work you are doing your undivided attention. Looking around, carrying on a conversation, and "horseplay" are careless acts that can result in serious injury.

**Disconnect machine** before performing any service or maintenance or when changing blades. A machine under repair should be RED TAGGED to show it should not be used until the maintenance is complete.

**Maintain tools in top condition.** Keep tools sharp and clean for safe and best performance. Dull tools increase noise levels and can cause kickbacks and glazed surfaces. Broken tools or tools that are not securely locked in the cutterhead can be thrown out of the planer causing severe or fatal injury as well as severe damage to the machine. Check the condition and adjustment of the tools before making any cuts. Follow the sharpening instructions on knife grinding and jointing, installing and adjustments.

**Short stock:** Do not attempt to plane boards shorter than 12" (305mm) in length without butting a board of equal thickness behind it to help it through the planer. Be sure the last board of a butted sequence is 12" (305mm) long or longer.

**Stacked boards:** Do not feed stacked boards through a planer; a kickback can occur causing severe or fatal injury.

**If stock stops feeding:** If the board being planed stops feeding, disengage or turn the feed off and turn the power off. Wait until the cutterhead comes to a complete stop before lowering the table to remove the board. NEVER lower the table with the power on and the stock still in the machine, as a kickback can occur.

**Hand safety.** Keep hands outside the machine. NEVER reach under the guards to try to clear stock that stops feeding. Do not clear chips and sawdust with hands; use a brush. Do not have any part of the hands under that part of the board that is over the table when starting a cut; the infeed roll will engage the board and force it down against the table causing a pinching action.

**Cutterhead rotation:** Be sure cutterhead rotates under power in a counterclockwise direction when viewed from the main drive motor side.

**Material condition:** Do not plane boards with loose knots or with nails or any foreign material on its surface. Knife impact on these objects can cause the knives to be pulled out and cause them to shatter against the chipbreaker or pressure bar. Twisted, warped, or wind in stock should first be jointed on one surface before attempting to plane a parallel surface on the planer. Serious stock flaws cannot be removed by use of a planer alone.

**Machine capacity:** Do not make any cuts requiring more power than is available on the machine. Do not attempt to feed two boards side by side (multiple board surfacing) on any machine not equipped with sectionalized infeed roll and chipbreaker. **NOTE:** The 22" Planer is rated at 7.5 horsepower with maximum cutterhead speed of 4800 RPM. DO NOT equip your planer with a motor of higher horsepower or run the cutterhead in excess of 4800 RPM. Doing so voids the warranty and Powermatic holds itself harmless from any injury that may result.

**Machine adjustments:** Make all machine adjustments with power off except feed rate.

**Job completion.** If the operator leaves the machine area for any reason, the planer should be turned "off" and the cutterhead should come to a complete stop before his departure. In addition, if the operation is complete, he should clean the planer and the work area. NEVER clean the planer with power "on" and never use the hands to clear sawdust and debris; use a brush. Disconnect machine from power source before cleaning.

**Replacement parts.** Use only Powermatic or factory authorized replacement parts and accessories; otherwise the warranty and guarantee is null and void.

**Misuse.** Do not use this Powermatic planer for other than its intended use. If used for other purposes, Powermatic disclaims any real or implied warranty and holds itself harmless for any injury or damage which may result from that use.

**If you are not thoroughly familiar with the operation of planers,** obtain advice from your supervisor, instructor or other qualified person.

**Drugs, alcohol, medication.** Do not operate this machine while under the influence of drugs, alcohol, or any medication.

**Health hazards.** Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- \* Lead from lead-based paint.
- \* Crystalline silica from bricks and cement and other masonry products.
- \* Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area, and work with approved safety equipment, such as those dust masks that are specifically designed to filter out microscopic particles.

## SPECIFICATIONS: Model 201, 22" Planer

Table with standard extensions.....	28" x 38"
Maximum cutting width.....	22"
Maximum thickness .....	1/4"
Full width depth of cut .....	3/16"
Minimum planing length .....	10"
Number of knives .....	4
Cutterhead speed.....	4800 RPM
Cuts per minute.....	19,200
Cutterhead diameter .....	3-1/4"
Blade size .....	22-1/8" L x 7/8" W x 1/8" T
Feed rate.....	20 & 30 FPM
Overall dimensions.....	32-1/4" W x 50" H x 50" L
Motor .....	7.5 HP, 3 Ph, 230V or 7.5 HP, 3 Ph, 460V or 7.5 HP, 1 Ph, 230V
Shipping weight .....	1,197 lbs.

NOTE: The above specifications were current at the time this manual was published, but because of our policy of continuous improvement, Powermatic reserves the right to change specifications without notice and without incurring obligations.