

P-220

ORTHO MOBILE MINI SANDER

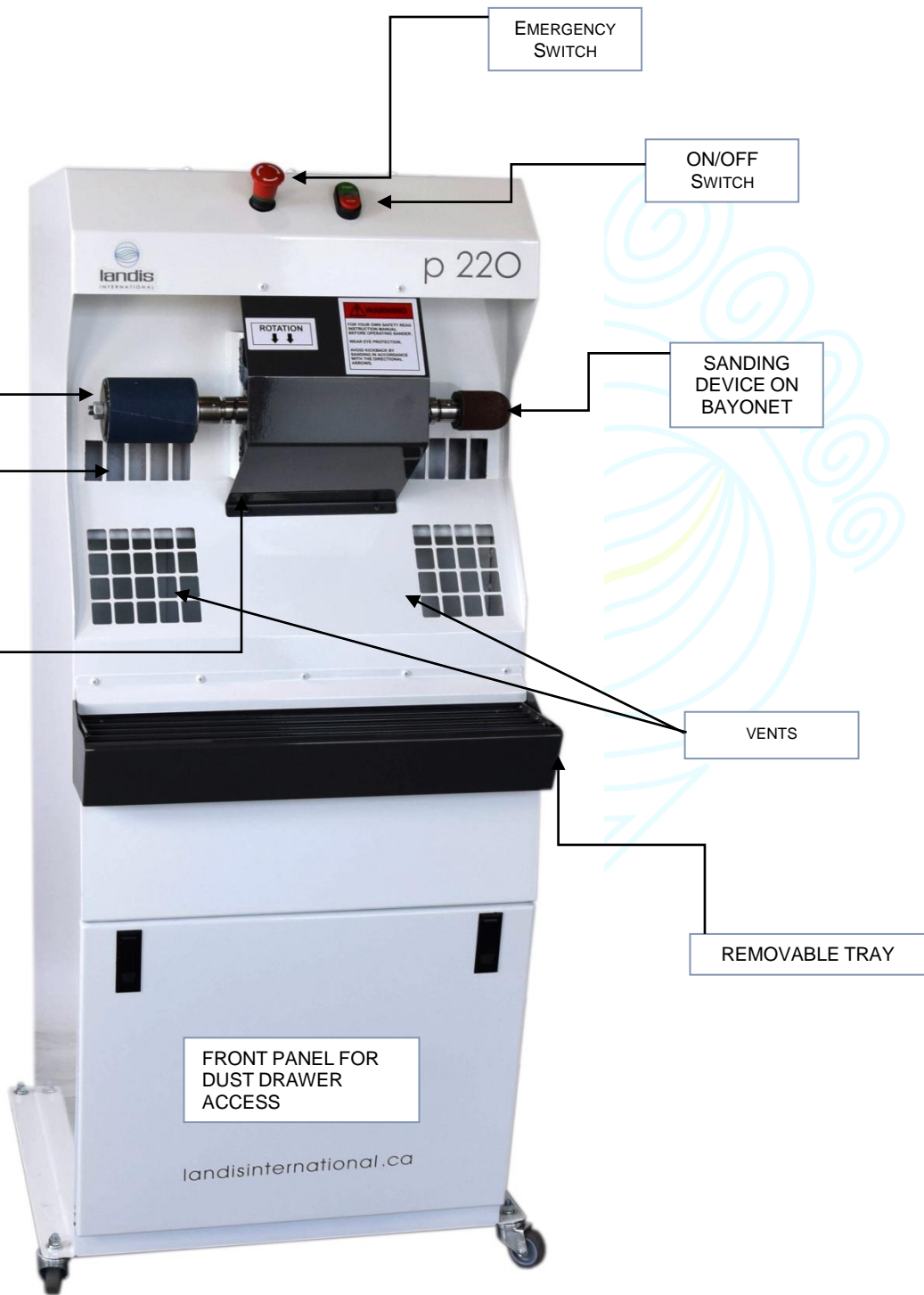


Operator Manual

Manufactured by:



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P-220 ORTHO MOBILE MINI FINISHING SANDER

INTRODUCTION

The P-220 Ortho Mobile Mini Finishing Sander is a compact, durable machine designed for fast, complete finishing work. It will deliver efficient, dependable service when used correctly and with care. As with any piece of specialized equipment, for best performance the manufacturer's instructions must be followed.

BEFORE USING A LANDIS SANDER, BE AWARE OF THE FOLLOWING:

Approved **EYE PROTECTION** should always be worn by the operator and others in the work area.

Always **DISCONNECT ELECTRICAL SOURCE** before adjustments or servicing the Sander.

Make sure machine is **PROPERLY GROUNDED**.

Dust generated is **FLAMMABLE – DO NOT SMOKE** when using Sander.

Keep generators and covers **IN PLACE** and in proper working order.

After making adjustments, **REMOVE WRENCHES** before operating Sander.

NEVER leave machine running unattended – turn power off.

Observe all **SAFETY WARNINGS** on the machine and in this manual.

OPERATING A LANDIS SANDER

WARNING:

Eye protection should always be worn by the operator and others in the work area when the Sander is in use. Eye protection is required for protection from flying debris and dust, which could cause eye injury.

INSTALLATION

The Landis Sander should be located on a flat, firm surface, in an area free of obstructions that could interfere with the safe operation of the equipment. The Sander should be positioned, leveled and the wheels on a locked position.

WARNING: All electrical work must be performed by a qualified electrician and must conform to all state and local ordinances.

Do not, under any circumstance, tamper with, modify, or adapt the electrical plug and cord provided with this machine.

ELECTRICAL CONNECTIONS

Electrical connection may be made by either plugging the provided electrical cord into an appropriately wired electrical socket, or by wiring the machine directly into an electrical disconnect box.

WARNING: If the electrical cord, plug or wiring should become frayed or damaged, replace it at once. Do not attempt to operate the machine with faulty wiring as it could result in severe injury or death.

NOTE: Refer to the machinery identification plate to determine the electrical specifications of this machine in respect to voltage, phase and amperage requirements.

WARNING: Do not start Sander before checking for proper sanding belt tracking.

START-UP

WARNING: Eye protection should always be worn by the operator and others in the work area when setting up the machine. Eye protection is required for protection from flying debris and dust, which could cause eye injury.

Before shipment, your Landis Sander was checked at the factory for proper adjustment and operation. However, due to the possibility of jarring or damage during handling and shipping, it is necessary to check that the machine is in proper working order before use.

WARNING: Before initial start up, turn sanding shaft by hand to ensure that all parts are free.

BEFORE CONNECTION TO AN ELECTRICAL POWER SUPPLY:

1. Check that the switch is off.
2. Rotate the sanding shaft to see that all parts are free and not binding. You can tell that one complete revolution has been made when the joint of the sanding belt has gone by the sanding wheels twice.
3. If applicable, rotate the Naumkeag by hand to see that the sanding pad is not damaged and the shaft not bent. Optional accessory.

WARNING: As with any piece of electrical equipment, there is an ever present hazard of electrical shock when operating or touching the Sander. Ensure the machine is properly grounded at all times.

Do not force the equipment. It will do the job better and safer at the rate for which it was designed.

ACCESSORIES

WARNING: Eye protection should always be worn by the operator and others in the work area when using the accessories supplied with the Landis Sander. Eye protection is required for protection from flying debris and dust, which could cause eye injury.

To use interchangeable wheels on bayonet fitted shaft:

1. Remove bayonet from right side. This is done by firmly grasping the wheel, and turning the right side wheel in a downward motion. This will loosen the bayonet.
2. Installing new bayonet: Make sure you always lock the bayonet by holding the left side of the shaft firmly and turn the bayonet in an upwards motion.

MAINTENANCE

A properly maintained machine will give you years of satisfactory service, whereas an abused machine will not. We strongly recommend that you observe the following procedures for your own benefit and safety.

WARNING: Eye protection should always be worn by the operator and others in the work area when servicing the machine. Eye protection is required for protection from flying debris and dust, which could cause eye injury.

DAILY AND WEEKLY MAINTENANCE

1. Clean your Landis Sander daily.
2. Shake dust bag daily. Empty it weekly.

After cleaning the machine, turn dust extraction motor off. While the motor is coasting to a stop, shake bag vigorously.

The cleaner you keep the dust bag, the less likely you are to burn a hole in it. Failure to shake the dust bag and empty it will only increase this likelihood, but also cause a significant loss of dust extraction from the sanding, trimming and brushing areas.



For better suction, gates have been installed behind hoods. By opening and closing the appropriate gates, suction can be controlled.

WARNING:

Dust from Sander is combustible. Do not smoke while cleaning the machine and dust collector.

Damaged dust bag will allow the escape of combustible materials causing a fire hazard around the machine.

Check damaged parts. Before further use of a tool, guard or other part that is damaged, check carefully to determine that it will operate properly and perform its intended function. Check for mounting or any other condition that may affect its operation. A tool, guard or other part that is harmfully damaged should be properly repaired or replaced.

If the electrical cord, plug or wiring should become frayed or damaged, replace it at once.

Do not operate machine without hoods properly installed.

After making adjustments, remove all wrenches and other tools before operating the Sander.

Use extra caution when starting the Sander for the first time after installing a new tool or part.

MONTHLY MAINTENANCE

1. Check the rubber sanding wheel surface for any accumulation of dust. Clean if necessary. Replace the wheel if worn.
2. V-Belts – Check tension and adjust if necessary.
3. Check for proper opening and closing of all dust dampers, removing and cleaning any accumulation around the openings.

LUBRICATION

Your Landis Sander is equipped with sealed bearings throughout, which should be replaced if they ever wear out.

Other parts should not require any lubrication, only cleaning the parts is required.

Lubrication will only attract dust and would be more harmful than helpful.

V-BELT ADJUSTMENT AND REMOVAL

The V-Belt on the Landis Sander should be checked monthly for proper tension and general condition. Loose V-Belt will decrease the power available to the various tools and lower the efficiency of your Sander.

If you discover a worn or frayed belt, replace it now so it won't break at an inconvenient time.

WARNING: **Disconnect electrical power supply before working on the machine.**

TO CHECK V-BELT TENSION:

1. Disconnect the electrical power supply.
 2. Check the tension of the V-belt running to the motor; it should depress approximately ½" when pressed in the middle with moderate force.
 3. Rotate the V-belt by hand, visually inspecting the belt for damage.
 4. If tensions or conditions are bad, adjust tension or replace V-belt.
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WARNING:

Do not over tighten V-belts, as to do so will cause rapid belt wear and premature bearing failure.

After making adjustments, remove all wrenches and other tools before operating the Sander.

MOTOR REPLACEMENT

WARNING:

Motor replacement requires working with electrical wiring and can be hazardous. If you are not familiar with electrical procedures, please call a qualified electrician.

DUST EXTRACTOR MOTOR

The dust extractor motor can be easily removed from the back of the machine.

To remove the motor, these directions should be followed.

1. Disconnect the electrical power supply.
2. Remove motor electrical box plate and observe the electrical wires connected.
3. Mark the electrical wires to the motor such that you will be ABSOLUTELY CERTAIN where to reconnect them to the new motor.

4. Disconnect the electrical wires and the connector on the motor box.
5. Remove the eight (8) nuts and washers holding the fan housing to the machine.
6. Remove entire assembly of fan housing and motor plate from the machine.
7. Remove the top cover by loosen the ten (10) screws on top of the motor shaft.
8. Loosen the bolt on top of the motor shaft.
9. Pull the blower wheel off.
10. Remove the four (4) screws that hold the motor to the fan housing.
11. Reassemble with new motor in reverse order of above.
12. Reconnect the power supply.
13. Turn the blower motor on and place your hand near a dust extraction port to see whether the blower is not running backwards.

If you do not already know how to fix this without referring to this manual, call a qualified electrician.

WARNING:

Be absolutely certain to reconnect the electrical wire to the proper terminals.

Failure to do so can result in improper motor rotation, a ruined motor, fire, or injury to yourself.

SANDING MOTORS

To remove the motor, these procedures should be followed:

1. Disconnect the electrical power supply.
2. From the rear of the machine, remove the four (4) screws, nuts, and washers holding the motor. Remove V-belt.
3. Disconnect the electrical wiring by removing the electrical plate on the end of the motor. Mark the electrical plate on the end of the motor. Mark the electrical wires to the motor such that you will be ABSOLUTELY CERTAIN where to reconnect them on the new motor.
4. Reassemble with new motor in reverse order to the above procedures.

NAUMKEAG MOTOR (optional)

To remove the Naumkeag motor, these procedures should be followed:

1. Disconnect the electrical power supply.
2. Remove four (4) screws, nuts and washers that hold motor to swivel plate. Remove motor.
3. Loosen set screw on Naumkeag shaft and remove shaft.
4. Reassemble with new motor in reverse order to above procedures.



Naumkeag head complete 1/2" shaft
SKU: ANC12



Naumkeag head complete 3/8" shaft
SKU: ANC38



Naumkeag head on bayonet fitting
SKU: SU1210379



SU1210382
50mm cone on bayonet fitting



R or L - Heel breaster on bayonet fitting
SKU: SU1210381 (for sandpaper)
Heel breaster left only
SKU: CALH
Heel breaster right only
SKU: CARH



Scotch brite polishing cone adapter
SKU: A162



Scotch brite polishing cone 4" X 1"
diameter
SKU: A163



Small tapered rubber sanding cone 4" x 1"
SKU: RCS



Medium tapered rubber sanding cone
4" X 1 1/2"
SKU: RCM



Large tapered rubber sanding cone
4" X 2"
SKU: RCL



Sandpaper for small sanding cone,
24, 40, 80, 100 and 120 grits
SKU: RCS (24,40,80,100 or 120)



Sandpaper for medium sanding cone,
24, 40, 80, 100 and 120 grits
SKU: RCM (24,40,80,100 or 120)



Sandpaper for large sanding cone,
24, 40, 80, 100 and 120 grits
SKU: RCL (24,40,80,100 or 120)



US Straight male bayonet
SKU: M7591A



US Tapered female bayonet with
threaded extension
SKU: SU1210951



US Tapered female bayonet
SKU: SU1207193



US Tapered male bayonet
SKU: SU1207182



US Straight male bayonet with threaded
extension
SKU: TSF31213

Diamond grit breaster cone sleeves.
Replace sandpaper with those diamond cones that have a life
expectancy of more than 5 years. Extremely economical.



U.S. Diamond heel breaster 40/50 grit
SKU: CDAS



50mm Diamond heel breaster 40/50 grit
SKU: CD50



Bedding rubber cone 2 1/2" X 1 3/4"
SKU: GRENADE



Grenade cover 40 grits
SKU: 86162070



Grenade cover 80 grits
SKU: 86162080

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Ortho Mobile Mini finishing sander



SKU: P220

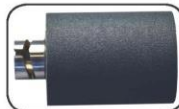
New Landis Mobile Ortho Mini Sander is the ideal tool for any finishing orthotics jobs.

Features:

- Interchangeable bayonet shafts allow a variety of grinding accessories
- 1 x Sanding drums 101mm x 76mm (4" x 3") on the left side
- 1 x Grenade on bayonet fitting on the right side
- Direct drive blower creates powerful suction
- Dust collector system with dust bag

Options:






- Central Vacuum version available
- Chuck Drill on Bayonet on the right side



Rubber Sanding Wheel on bayonet
4" x 3"
SKU : SU1210289

All Landis Sanders have a shaft bayoneted on both sides to interchange rapidly with our large variety of accessories

Accessories available with this bayonet

	US Tapered Female Bayonet with Threaded Extension, thread 1/2" - 13" SKU:SU1210991
	Bedding rubber cone 2 1/2" X 1 3/4" SKU : GRENADE
	Grenade cover 40 grits SKU : 86162070
	Grenade cover 80 grits SKU : 86162080
	Flap Wheel (Right side only) SKU : 86381103
	Flap Wheel (Left side only) SKU : 86381098

Accessories available with this bayonet

	3/8" Drill chuck with key Adapter MGPCCK38B
	Mini scotch brite w/abor 1" x 1" SKU : AMSBWC
	Mini scotch brite refill 1" x 1" SKU : MSBW11
	Mini rubber cone on 1/4" shaft 1 1/2" x 3/4" diameter SKU : 86162050
	Mini cover 80 grits SKU : 79106680

Specifications:

- 635mm W x 1358.90mm H x 762mm D (25"x 53.5"x 30")
- Net Weight: 136Kg (300 Lbs.)
- Crated Weight: 211Kg (465 Lbs.)
- Motor: 230Volts, 7.4 Amps, 1Hp, 1Phase

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