

Terrco[®], Inc.

Model 6200



OPERATING INSTRUCTIONS

MAINTENANCE INSTRUCTIONS

ILLUSTRATED PARTS LIST

Terrco[®], Inc.

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Terrco[®] Model 6200

Specifications:

Motor	40 H.P., 3 Phase, 460 Volt, 60 Hz
Amperage Draw	46 Amps
Length of Machine	80"
Width of Machine	56"
Weight of Machine	2,300 lbs
Shipping Weight of Machines	2,565 lbs
Power Cord	100 feet (6-4)

Production Rates:

- Mastic removal Rate of 1,000 sq. ft. per hour
- Thin-Set removal rates of 1,000 sq. ft. per hour
- Thin-Mil coatings removal of 800 sq. ft. per hour
- Concrete polishing rates of 10,000 sq. ft. per polishing pad

- Optimal for jobs exceeding 20,000 sq. ft.
- Despite the weight and size the 6200 is easily maneuverable
- Movable weights for easy one person operation
- Variable Speed Drive
- Stainless Steel Guard with four vacuum ports
- Stainless Steel Water Tank
- Wet/Dry Setup
- Handle Separates from Gear Case to Allow Handle and Case to go through Standard 36" Door
- Ten 42 lbs. Pocket Weights to Control Grinding Pressure

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Operating Instructions

INTRODUCTION:

This manual has been prepared to assist you in the proper operation and maintenance of your machine. Please bear in mind that your TERRCO® 6200 is a precision piece of machinery manufactured to exacting standards. In order for you to obtain maximum use of your TERRCO® 6200, we suggest that you read this manual completely and thoroughly before attempting to operate your machine. A parts diagram and parts reference sheet are included to assist you in ordering the proper parts. Always give the machine number and model number when ordering repair parts.

PLELIMINARY PROCEDURES TO FOLLOW BEFORE PUTTING THE 6200 IN OPERATION FOR THE FIRST TIME.

A. Delivery of the Machine

1. On delivery, the contractor should very carefully examine the shipping crate to see that no part of the machine is damaged. If damage is noted, request an inspection immediately and request a copy of the claim report. When accepting the machine from the delivering carrier, note the damage on the Freight Bill before signing. **TERRCO® WILL NOT** honor any claims for broken, damaged, or missing parts that may have occurred in shipment, as each machine is checked and inspected for the same, before leaving our plant.

B. Installation and Replacement of Grinding Stones

1. Move the counterbalancing weights to the upper weight baskets.

2. Using the flop handle, tilt machine back so that the caster wheel rests on the floor.

3. Clean mounting surface both on plug stone and stone holder. On 2" or 3" diameter plug stone, push stone in the hole and give the stone a slight twist to be certain it is securely in place.

4. Grasp machine handle and lower machine to the floor slowly so that all stones are resting on the floor. Make certain no stones have fallen or loosened while lowering the machine to the floor.

C. Transport of Machine

1. With counterbalancing weights in the upper weight baskets, tilt the machine so that the caster wheel is firmly on the floor. You can use the flop handle to pull the machine or you can fold the flop handle over and push from gear case side.

D. To operate the 6200

1. Disconnect electrical source.

2. Install stones per instructions in #1B.

3. After stones are installed, lower the machine until it is in operating position. CAUTION - Never attempt to start the machine while lowering machine to the floor, as rear stones will strike on corners resulting in thrown stones and possible damage to the machine.

4. Before plugging into the electrical system, check the voltage at the source. The minimum acceptable voltage is (210/420 Volt, 60 HZ, 3 phase), or (380 Volt, 50 HZ, 3 Phase). Anything lower than this can result in blown heaters and possible motor burnout.

5. If the machine is to operate in an area more than 100 feet from the source, it will be necessary to use the next larger size cable (#4-4) from the source to the 100 feet of #6-4 wire cable that was furnished with the machine.

6. After you have the cable in place, relieve pressure on the stones by applying your weight on the handle and push the start button on the starter switch, then releasing pressure on the handle to lower the machine to the floor.

7. We recommend that the first pass over the floor be made with the weights in the upper weight baskets. After the floor is "roughed" out, move the weights to the weight baskets located on the gear case for maximum abrasive pressure.

8. Be sure to periodically check stone wear, to prevent grinding with the steel plugs, rather than the stones.

General Maintenance for your TERRCO[®] 6200

A. The Lubrication of the Machine

1. The lubrication of the main gear case
 - a. The main gear case contains Mobilith AW-1 grease.
 - b. Gear case grease level must be checked once a month. The level of grease in the gear case should be up to half the thickness of the helical gears. (Ref. No. 20 on the parts diagram).
2. The Lubrication of the Wheel Bearings.
 - a. Use grease gun and grease once a month on each wheel with Mobilith AW-1 or equivalent.
 - b. Be sure to pump enough grease into the wheel bearing. Keep pumping until grease starts coming through shaft clearance in the inner bearing cap.
3. Location of the grease fittings.
 - a. Eight fittings on bearing caps on top of gear case (Ref. No. 10). Lubricate these fittings with Mobilith AW-1 or equivalent.

B. Keeping Machine Clean

1. Daily schedule after each day's grinding.
 - a. Tilt machine back on handle.
 - b. Clean under carriage with water using garden hose and nozzle.
 - c. Clean all grease fittings.
2. Do not let any cake-up of cement grinding paste occur as this could create an overload on your machine as well as more weight to push.

C. Replacement of worn, damaged, or missing parts.

1. Advantages
 - a. If worn parts (bearings, gears, etc.) are not replaced promptly, serious damage to your machine could occur.
 - b. Your machine will operate more efficiently with new TERRCO[®] parts.
2. Use only authorized TERRCO[®] parts as our warranty will not apply if other than factory authorized TERRCO[®] parts are used.

D. Morflex Flexible Couplings

1. Bolts (Ref. No. 34) should be checked weekly for tightness. Loose bolts cause extreme vibration and premature failure of rubber inserts in the couplings.
2. Your flexible couplings (Ref. No. 41) should be changed a minimum of once a year whether you use you machine or not.

E. Stone Wear and Replacement.

1. Check your stones for wear periodically, as the stones may be worn flush with stone holder plugs and the operator may be grinding with the steel stone spiders.

WARRANTY CLAIM PROCEDURE

Each new machine is covered by two separate, distinct warranties—one on the machine and one on the electric motor of gasoline engine. Read **VERY CAREFULLY** the Terrco[®] warranty covering the machine, as this will tell you whether you have a warranty claim or not. If your machine is under warranty and malfunctions, determine whether your problem is electrical or mechanical, and do the following:

I. Electrical.

- A. Consult the list of authorized motor repair stations sent with the machine and locate the station nearest you.
- B. Contact the repair station, giving them the following information:
 - 1. Complete nameplate data from the motor.
 - 2. Tell them that the machine is a terrazzo grinding and polishing machine.
 - 3. Give them a description or rundown of the trouble.
 - 4. Inform them of the voltage and amperage readings

II. Mechanical

- A. Contact your Terrco[®] Distributor giving them the following:
 - 1. Model and date purchased.
 - 2. Horsepower.
 - 3. Accurate description of the malfunction.
- B. If there is no Terrco[®] Distributor in your area call or write to us with the above information.

LIMITED ONE YEAR WARRANTY

TERRCO[®], Inc. warrants the original purchaser of the Terrco[®] grinding equipment to be free from defects in materials and workmanship under normal use and service. Our obligation under this warranty shall be limited to the repair or exchange of any part or parts which may prove defective under normal use and service within one year from date of purchase by, the original purchaser, and which our examination shall disclose to our satisfaction to be defective.

All equipment returned for repairs or exchange must be returned to: TERRCO[®], Inc., at the purchaser's expense and within the warranty period. All repaired or exchanged equipment will be shipped back to the purchaser F.O.B. Watertown, South Dakota.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING THE WARRANTIES OR MERCHANTABILITY AND FITNESS FOR USE AND ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF TERRCO[®], INC. AND WE NEITHER ASSUME OR AUTHORIZE ANY OTHER PERSON TO ASSUME FOR US, ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF THIS EQUIPMENT. SOME STATES DO NOT ALLOW THE EXCLUSIONS OR LIMITATIONS ON IMPLIED WARRANTIES OR DO NOT ALLOW THE EXCLUSION OF LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY SHALL NOT APPLY TO ANY EQUIPMENT OR PART THEREOF WHICH HAS BEEN SUBJECT TO ACCIDENT, NEGLIGENCE, ALTERATIONS, ABUSE, MISUSE, OR IMPROPER MAINTENANCE. TERRCO[®], INC. MAKES NO WARRANTIES WHATSOEVER IN RESPECT TO ACCESSORIES OR PARTS NOT MANUFACTURED OR SUPPLIED BY US.