

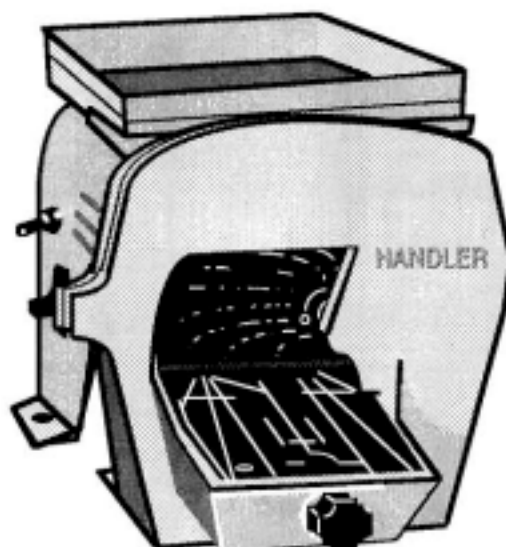
# Model Trimmer

#32-12" & #31-10"

## OPERATING MANUAL

IMPORTANT INSTRUCTIONS

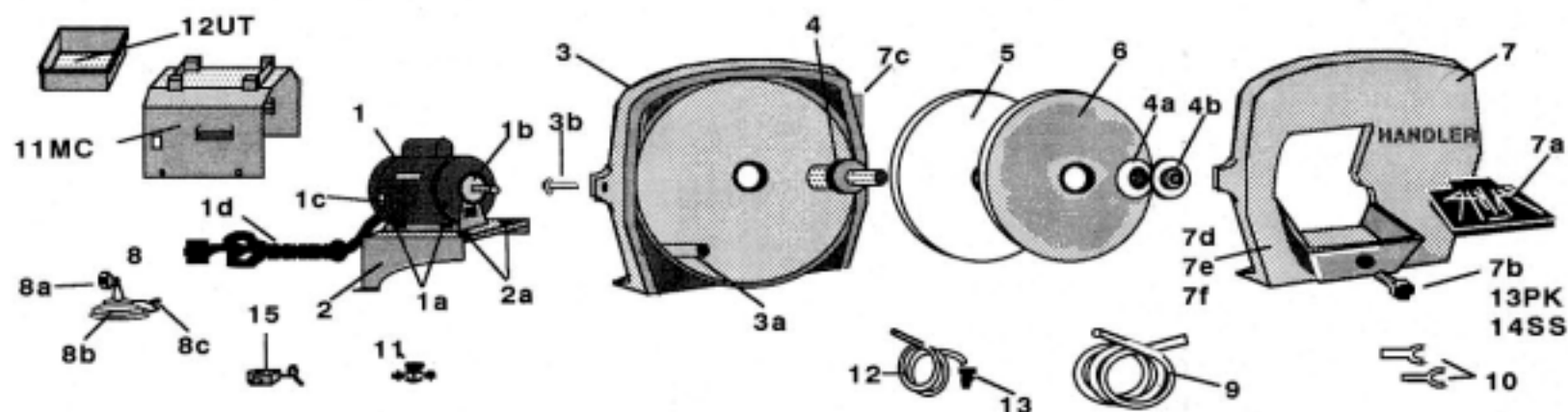
DO NOT DISCARD



BUILDING QUALITY PRODUCTS AT AFFORDABLE PRICES SINCE 1920

# HANDLER

Manufacturing Company, INC.



## PARTS LIST FOR HANDLER MODEL TRIMMERS NUMBERS 31, 31X, 32, 32X

01	Motor - (please specify) 1/4 HP (31X) 1/3 HP (31,32X) 1/2 HP (32)	07a	Work Tray
01a	Motor Mounting Bolts (4)	07b	Knob w/Stud for Work Tray
01b	Motor Shaft Keyway Sleeve	07c	Stainless Steel Hinge Pin
01c	Motor ON/OFF switch	07d	Water Inlet Fitting
01d	Motor Line/Cord Set	07e	Water Spray Tube (specify 10" or 12")
02	Motor Base	07f	Rubber Gasket (specify 10" or 12")
02a	Rear Housing Bolts w/Lock Washers (2)	08	Water Inlet w/Faucet Adapter
03	Rear Housing 10" Rear Housing 12"	08a	Faucet Adapter Only
03a	Drain Hose Connection	08b	Water Inlet Tubing Only
03b	Plastic Knob w/Stud	08c	Inlet Tubing Clamp
04	Brass Hub w/Set Screw	09	Drain Hose 42 inches
05	Metal Back-Up Plate 10" (please specify) Metal Back-Up Plate 12" (please specify)	10	Wrenches (set of 2)
06	Grinding Wheel or Adhesive Disks SEE HANDLER PRICE LIST	11	Tab-n-Tap Valve
07	Front Housing w/Inlet Fitting, Hinge Pin, Spray Tube, Gasket Specify 10" or 12"	11MC	Motor Cover
		12UT	Utility Tray
		12	Copper Tubing
		13PK	Plastic Knob Only
		13	Faucet Hose Connection
		14SS	Stainless Stud Only
		15	Water Solenoid Valve

# HANDLER

MANUFACTURING COMPANY, INC.

612 North Ave. East, P.O. Box 520, Westfield, N.J. 07091-0520  
Phone: 908-233-7796 FAX: 908-233-7300

# HANDLER

MANUFACTURING COMPANY, INC.

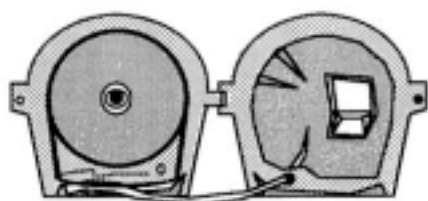


Figure 1

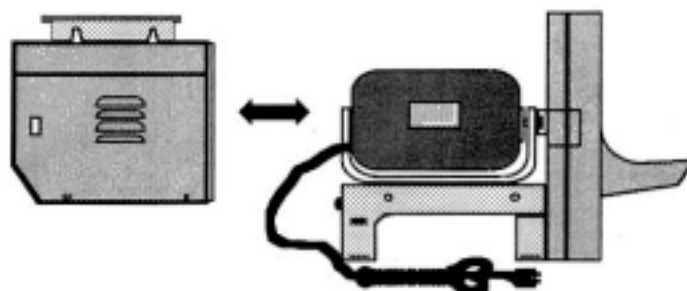


Figure 2

## INSPECTION

Thank you for purchasing a Handler Model Trimmer. Unpackage your model trimmer. Check to make certain all accessories e.g., drain hose, inlet hose, model tray, etc. are properly packaged in the carton. Do not discard any portion of the packaging until all parts and accessories have been accounted for.

Inspect the Model Trimmer. Should damage have occurred in transit, contact the freight forwarder, immediately. Note on the shipping receipt any visible exterior damage to the shipping container. DO NOT contact Handler Manufacturing, as damage must be claimed by the receiver of merchandise-not the shipper.

Failure to place a claim, promptly, may will negate your warranty and cause possible loss of your rights to place a claim for damage.

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1. Place Model Trimmer in a suitable bench top location, next to a sink drain and water source. Attach 1" vinyl drain hose to drain outlet located on lower rear housing of model trimmer (under the motor base). Place other end of drain hose in sink or proper drain location. Make certain vinyl outlet hose is lying flat and not "kinked" on bench top so water will flow smoothly from the rear exhaust drain. Connect open end of inlet tubing to the brass inlet located on lower right side of inside front housing. It will be necessary to open the two housings to accomplish this procedure. Make certain to pass inlet tubing through cut-out provided in lower rear housing (see Figure 1). Secure with clamp provided. The rubber faucet adapter is now ready to place over your faucet. Note: Should the rubber faucet adapter fit too loosely onto your faucet outlet, fold (wrap) the rubber adapter back upon itself to reduce the inside diameter of the rubber faucet adapter.

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2. Secure Model Trimmer to bench in the desired location next to the sink. Bolt Trimmer to the table top using appropriate bolts and nuts. Do not attempt to use a Model Trimmer which has not been bolted to the table top as injury may occur.
3. Connect electric plug to 115 volt/60Hz grounded three prong AC outlet ONLY. Turn **ON** Model Trimmer (switch locate in left rear of cover).
4. Turn **ON** water faucet, adjusting to a slight opening. Use only enough water to wash the grinding wheel during operation. If too much water pressure (volume) is applied to the wheel, water may spray outward and drop from the top of the front opening. Should this happen, the water pressure should be reduced. It is advisable to make a mark on the faucet so that it can be opened to this point (mark) at each use. The Model Trimmer is now ready for model grinding.

**NOTE:** The Handler trimmer is designed with a large work table, surrounded by a trough, which channels the gypsum slurry into the lower drain resevoir section of the trimmer. Occassionally large pieces of plaster and stone may clog the drain exhaust hole and cause a back-up of drain water. By simply opening the swing open door after all water has drained from the housing, this area may be cleaned of accumulated plaster and debris. Make certain to deactivate (TURN OFF) the trimmer and remove the electrical plug from the outlet, **BEFORE**, maintence or work is performed on your trimmer.

5. Upon completion of grinding operation(s), allow water and motor to remain in **ON** position for 30 seconds or until clean water flows from drain hose. This will help prevent plaster and stone sludge from accumulating and clogging the model trimmer and trimmer wheel.

## 6. WHEEL REPLACEMENT OR ROTATION

- a. Turn **OFF** unit and remove electrical plug from electrical outlet. Open "swing open" front housing by removing the plastic knob located on the left rear of the rear housing.
- b. Remove four screws which secure motor cover onto motor base utilizing a spade type screwdriver. Move cover to the rear, slightly (see Figure 2).

- c. Using the wrenches provided place the 7/8" side of the wrench onto the slot of the rear of the bronze hub. This will prevent the hub from turning. Using the 1 1/4" side of the second wrench, Remove the brass hub nut, turning counter-clockwise.
- d. Remove the brass hub nut, washer, Model Trimmer wheel and back-up plate. Clean all plaster and stone debris which have accumulated from the back-up plate and inside wheel, washer and nut onto the hub of the trimmer. Before doing so make certain that all parts, including the inside of the front and rear housing, have been cleaned of all adhering plaster accumulations and debris, as described above.

**IMPORTANT**-Be certain that the washer and nut are sufficiently wrench tightened to firmly hold grinding wheel against metal back-up plate. Reconnect the Trimmer's electrical cord and turn trimmer on to ascertain that it is free of vibration. If excessive vibration is present, loosen nut and move grinding wheel 1" clockwise. Retighten nut. Turn trimmer on and recheck vibration. It may be necessary to do this several times before obtaining a properly balanced wheel-free of vibration. When completing the wheel replacement or rotation procedure, stand to side of trimmer, wear safety glasses and secure any loose hair or clothing.

7. Close front housing and secure in place with brass washer and plastic knob previously removed. Make certain no plaster debris have been "trapped" between front housing gasket and rear housing. This will cause a gasket leak. If such debris are present, remove these, wipe gasket surface and reseal (close) front and rear housings. Replace motor cover and secure in place with four screws previously removed.

Your trimmer is now ready to be placed back in proper operation.

**WARNING:** ALWAYS WEAR SAFETY GLASSES OR GOGGLES WHEN USING ANY ROTATING MACHINERY. KEEP ALL LOOSE CLOTHING AND HAIR SECURELY TIED IN PLACE TO PREVENT POSSIBLE INJURY. DO NOT USE THIS MODEL TRIMMER OR ANY ROTATING DEVICE UNLESS YOU HAVE BEEN PROPERLY INSTRUCTED ON ITS USE.

## GENERAL INSTRUCTIONS

Your Handler Model Trimmer has been designed and built to provide years of service. Occasionally remove the electrical plug which is connected to the wall outlet and wipe the trimmer clean with a damp cloth. Remove any plaster and stone which may have become deposited on the trimmer's surface. Check the inside housing of the trimmer and clean it of accumulated plaster and stone debris. Make certain before closing the front and rear housing that the gasket is wiped clean and the mating surface is clean and free of debris and accumulated gypsum deposits. By following the above basic maintenance procedures, your facility will be assured of long durable service for your trimmer.

Should you have questions about the operation or maintenance of your Handler Model Trimmer, please contact Handler or your dental distributor. Handler has a full line of replacement model trimmer wheels and coated abrasive disks and various grit sizes to fit your trimmer and competitive trimmers. Handler CARBODENT wheels and abrasive discs are manufactured from the finest abrasives available. Handler, also has a full line of adjustable water tap-n-tap valves, electrical water solenoid valves, orthodontic angulators, and plaster traps to compliment your model trimming procedures. To request additional information concerning these products, please contact Handler at:

Handler Manufacturing Co., Inc.  
612 North Avenue East  
Westfield, NJ 07090-0520  
FAX# (908) 233-7340  
Phone# (908) 233-7796

PLEASE SEND MORE INFORMATION ON HANDLER PRODUCTS TO:

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

COMMENTS \_\_\_\_\_

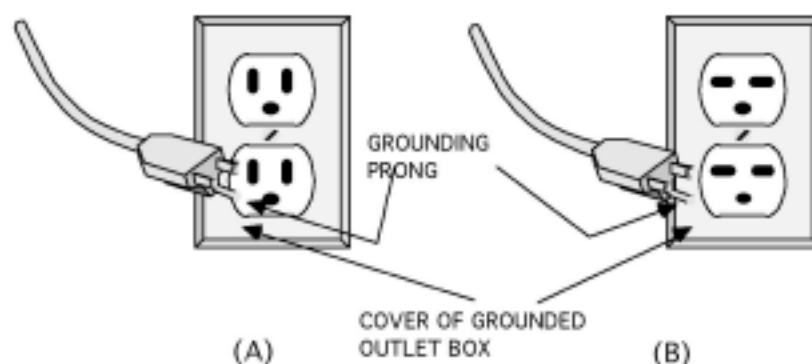


# SAFETY INSTRUCTIONS

## I. GROUNDING INSTRUCTIONS

This tool should be grounded while in use to protect the operator from electric shock. The tool is equipped with an approved three-conductor cord and three-prong grounding type plug to fit the proper grounding type receptacle. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect the green (or green and yellow) wire to a live terminal. If your unit is for use on less than 150 volts, it has a plug that looks like that shown in sketch (A) in Figure 1. If it is for use on 150 to 250 volts, it has a plug that looks like that shown in sketch (B). Use of an extension cords or a 2 prong adapter is not recommended.

FIGURE 1  
GROUNDING METHODS



## TOOL SAFETY INSTRUCTIONS

### 1. Keep Work Area Clean

Cluttered areas and benches invite accidents.

### 2. Avoid Dangerous Equipment

Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit.

### 3. Keep Children Away

All visitors should be kept safe distance from work area and appliance.

### 4. Store Idle Tools

When not in use, tools should be stored in dry, high, and locked location out of the reach of children.

### 5. Don't Force Tool

It will do the job better and be safe at the rate for which it was designed.

### 6. Use Right Tool

Don't force small tool or attachment to do the job of a heavy-duty tool.

### 7. Wear Proper Apparel

Do not wear loose clothing or jewelry which may get caught in moving parts. Tie back long hair or use a proper hair net.

### 8. Use Safety Glasses

Use safety glasses with all rotating tools. Also use a face or dust mask if cutting operation is dusty.

### 9. Don't Abuse Cord

Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.

### 10. Secure Work

Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.

### 11. Don't Overreach

Keep proper footing and balance at all times.

### 12. Maintain Tools with Care

Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.

### 13. Disconnect Tools

When not in use; before servicing; when changing accessories such as blades, bits, cutters, etc.

### 14. Avoid Accidental Starting

Be sure switch is OFF when plugging in.

# IMPORTANT NOTICE

1. Our terms of sale are F.O.B. our plant. Handler makes every effort to insure the proper delivery of goods, but we cannot guarantee the carrier's performance. Each product is tested and inspected for proper performance prior to leaving our facility. The responsibility for damage in transit is the carrier's, whether it is visible damage or concealed damage.
2. Inspect this shipment **IMMEDIATELY**. Insist that visible damage or possible damage be written on the Delivery Receipt by the receiver.
3. Inspect the contents of your shipment within 24 hours of receipt. Using your copy of our packing list, check for piece count and accuracy immediately to insure proper billing.
4. If damage is discovered, save all crates, cartons and packaging material until an inspection has been made by an agent of the carrier.
5. In case of damage, notify the delivering carrier **IMMEDIATELY** requesting that an inspection be made. Retain a copy of the inspection request for claim purposes. Failure to notify the freight carrier immediately will result in the loss of your rights to claim damage.
6. We have taken every precaution to insure safe arrival of your products. We cannot be responsible for negligence by another party.
7. The receiver of the goods must make claims for incorrectly shipped goods to the shipper within 15 days of receipt of delivery.

## RETURNING GOODS

1. Do not return merchandise without our authorization. You must call first for a return authorization number.
2. We will not accept returned merchandise from the carrier unless our authorization **NUMBER** has been issued, and is clearly marked on the outside of the carton.
3. We will not accept goods (i.e. dust collectors) that are not cleaned and free of dust and debris. The merchandise will be shipped back.



# PACKING LIST

# CAUTION!

**Unpack Accessories From Unit  
BEFORE  
Connecting And Operating**

## **FOR YOUR PROTECTION EXAMINE THE GOODS**

Our liability on shipments ceases when we obtain from the Trucking or Railroad Company a Bill of Lading, or from the Express Company an Express Receipt, showing the same received by them in good order. For your own protection, we respectfully call your attention to the fact that on: —

**FREIGHT SHIPMENTS (Rail or Truck):** — You should carefully check all shipments on arrival, making comparison with the paid freight receipts which you receive from them, before you take them from the transportation company, and if you find any packages or articles short or damaged, have the agent make notation of the fact on this freight receipt, and then make a claim immediately upon them for the amount of such losses or damages.

### **CARRIER RULES CALL FOR CLAIMS TO BE MADE WITHIN 14 DAYS**

**EXPRESS SHIPMENTS OR UNITED PARCEL SERVICE SHIPMENTS:** — Check shipment carefully, comparing same with receipt which Express Company tenders for your signature. If any shortage or damage is apparent, make an exception on the Express Company's Delivery Receipt, which the Express Company retains, and demand at the same time from the Express Driver or Agent, a notation covering the shortage or damage. Then place a claim at once with the Express Company.

**CONCEALED DAMAGE:** — Should the damage not be discovered until after the goods are unpacked, it should be reported AT ONCE to the Freight Agent, or in the case of Express shipments, to the Express Agent, who will make an inspection and grant a "concealed damage" notation.

All shipments made by this Company, unless we have made quotation otherwise, are F.O.B. point of shipment, and we are in no way responsible for delivery of the goods by the carrier.

We will, however, assist our customer in collecting claims against the transportation company for loss or damage to shipments, if you will demand and receive an acknowledgment from the said transportation company of this loss or damage, **otherwise we will not be able to assist you.**

**GOODS RETURNED WITHOUT PERMISSION WILL NOT BE ACCEPTED FOR CREDIT**

The logo for Handler Mfg. Company, Inc. features the word "Handler" in a large, elegant, cursive script font.

MFG. COMPANY, INC.  
612 NORTH AVENUE EAST  
WESTFIELD, NEW JERSEY 07090

908-233-7796

# WARRANTY

This **HANDLER** product is warranted to be free from defects in material and workmanship, when used under the conditions recommended by the manufacturer, and / or the purpose for which the product was intended, for a period of 12 months from the date of shipment from factory to job site of original owner. Products purchased from distributor warehouse stock are warranted for a period of 24 months from date of shipment from the manufacturer's warehouse.

In all cases, the full name and address of the distributor must be supplied, along with the name of the customer, product name and number, and serial number. A copy of the original invoice, showing date of purchase must accompany the warranty repair request.

This warranty will apply to equipment installed, operated and maintained in accordance with **HANDLER** procedures and recommendations.

During the life of this warranty, **HANDLER** will repair or replace (At **HANDLER'S** option) free of charge, F.O.B. its plant, any defective part or assembly, if such defect occurred in normal service and was not due to apparent misuse, abuse, or accident.

Any warranty service performed in the field must be authorized by **HANDLER MFG.** Unauthorized service voids the warranty and any resulting charge will not be paid by **HANDLER MFG.**

**HANDLER MFG.** makes no other warranties or guarantees, expressed or implied. The merchantability of the components is expressly excluded. The manufacturer assumes no liability for indirect or consequential damages.

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Detach and mail back

Customer Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Model # \_\_\_\_\_ Serial # \_\_\_\_\_

Distributor \_\_\_\_\_

Address \_\_\_\_\_

Return to **HANDLER**