

TRAUTMAN ARBORS & SANDERS

from Fillauer LLC



**EQUIPMENT
MANUAL**

Fillauer
COMPANIES

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GENERAL SPECIFICATIONS

The Trautman Arbor 5001 and Drum Sander 5005 comes equipped with a powerful 2 HP brushless motor with built in thermal protectors. The motor is available in single phase 120/240 VAC or three phase 240/460 VAC and is controlled by an industrial ON/OFF thermal protector safety switch, internally enclosed low maintenance bearings, and shaft protection shields. The drive belts are also internally enclosed for the user's safety and both machines have a safety emergency stop switch. The 5001 model includes a 14 in. sanding disc, 7 in. pneumatic drum and ½"-13 threaded end to accept all Trautman accessories. It is 47 in. long with a 25 x 20 in. base. The 5005 model includes two 9 in. pneumatic drums and is 45 in. long with a 25 x 20 in. base.

In manufacturing this product, Fillauer has made every effort to comply with OSHA workplace safety standards and the EU Safety of Machinery Directive; however, it is the responsibility of the purchasing facility to comply with local workplace safety regulations. Furthermore, before installation and use, check with your local governing bodies to verify compliance with local safety standards. Before installation and use, check with your local governing bodies to verify that this machinery complies with local safety standards.

Installation of this equipment requires the use of a qualified electrician. It must be wired according to the given specifications and grounded to prevent electrical shock.

SPECIFICATIONS

Description	Arbor Sander		Double Drum Sander	
Model	5001-1	5001-3	5005-1	5005-3
Power Rating*	1 Ph, 120/240 V, 24/12A, 60 Hz	3 Ph, 240/460 V, 5.6/2.8A, 60 Hz	1 Ph, 120/240 V, 24/12A, 60 Hz	3 Ph, 240/460 V, 5.6/2.8A, 60 Hz
Motor Speed (RPM)	1725	1725	1725	1725
Motor HP (max)	2 HP		2 HP	
Shaft Length	47 in.		45 in.	
Shaft Thread	1/2"-13 UNC		N/A	
Working Ht	40 in.		40 in.	
Overall Ht	48 in.		44 in.	
Space Requirement	3 ft. deep x 5 ft. wide		3 ft. deep x 5 ft. wide	
Crated Approximate Weight	560 lbs.		535 lbs.	
Uncrated Approximate Weight	470 lbs.		445 lbs.	

* Unless specified, the 5001-1 and 5005-1 will be wired for 120 V, 24A, and 60Hz input and the 5001-3 and 5005-3 will be wired 240V, 5.6A and 60Hz input.

** International machines available upon request.



**5005 DOUBLE
DRUM SANDER**



5001 ARBOR

OPERATING PRECAUTIONS

Warning: These instructions should be read and understood by all users prior to installation or use of the Trautman Sanders.

GENERAL MACHINERY SAFETY WARNINGS

- Misuse of this machine can cause injury.
- Read, understand, and follow all instructions shipped with your machine.
- Always wear safety glasses when operating machinery.
- Never wear loose fitting clothing, neckties, long hair, or jewelry which can be caught in moving parts.
- To maintain proper footing, never operate machinery when floor is damp or wet. Wear soft soled footwear on a clean dry floor for safest operation.
- Always shut off the machine when not in use and never leave the machine running while unattended.
- Always disconnect power source before performing any service to the machine. Be sure the machine is in the OFF position before reconnecting any power source to avoid accidental starting.
- Always properly secure machinery to floor as instructed.
- Maintain a clean, dry, well lit, and clutter-free work area.
- Use only recommended accessories. Properly install and maintain accessories.
- Be alert when using machinery and keep hands clear of moving parts. Never overreach to avoid slipping and falling.
- Modifications may cause safety hazards or affect the operation of the machine and are not recommended. Fillauer will not be responsible for modifications that, in our judgment, created a safety hazard or caused the machine to malfunction.
- In case of an emergency, a safety emergency stop switch is provided.

TRAUTMAN USE SAFETY WARNINGS

- Always wear safety glasses when using Trautman machines.
- Work pieces should be held firmly with both hands.
- Avoid placing excessive pressure on the work piece or tool. Discontinue work if the shaft is significantly slowing or stopping during use.
- Avoid loose articles on the work piece.

- Care must be taken to keep the work piece clear of any attachment such as a dust collection shield.
- Operators must be alert and avoid all personal contact with the tool or spinning shaft.
- Use of a dust mask and/or an adequate external vacuum system is recommended to avoid breathing airborne dust particles.
- Never manually stop or slow the shaft when the machine is on.
- Maximum pneumatic drum inflation is 2.5 psi. Over-inflation can and will cause damage to the drum.
- Any visible wear to the canvas covering the pneumatic drum warrants canvas replacement. Not doing so can and will damage the pneumatic bladder.
- Use only approved sanding sleeves for the pneumatic drums to assure the drums are protected.

ARBOR AND DOUBLE DRUM SANDER USE

UNCRATING & SET-UP INSTRUCTIONS

- The Trautman Arbor and Drum Sanders are shipped fully assembled in a wooden crate. They should be uncrated in the vertical position.
- Place the entire crate near the installation location and disassemble the entire crate to expose the machine.
- Positioning the machine in the final location is a minimum two person job.
- Do not lift the machine using the shaft as this may damage the shaft.
- If shipped in a box rather than a wooden crate follow uncrating process and carefully disassemble box to expose machine. If a sharp tool is used, care should be taken not to damage the equipment.

PROPER LIFTING TECHNIQUES

- The straps must be located underneath the base as shown below (Fig. 1 & 2). Make sure that the straps are as close to the back of the base as possible, (Fig. 1). The straps must also be positioned around the motor mount adjustment bracket (Fig. 2).
- Make sure that straps are properly secured before lifting by positioning the loops as pictured in either of the images below (Fig. 3 & 4).
- After the straps are properly positioned, slowly and steadily lift and move the arbor/drum sander to desired location while carefully avoiding jerky movements. All people should be clear of lifting area and moving forklift.

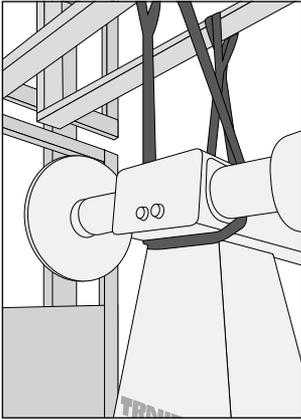


FIG. 1

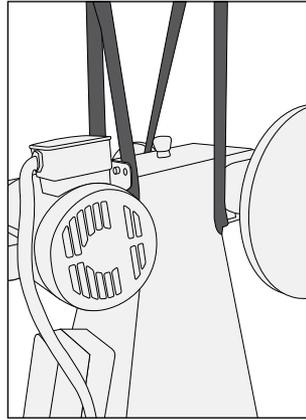


FIG. 2

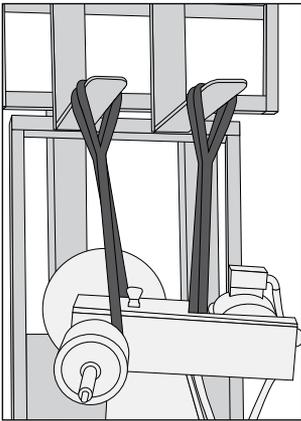


FIG. 3

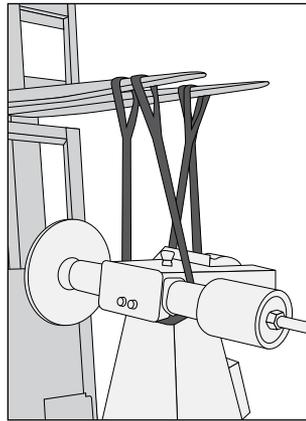


FIG. 4

WARNING! Do not place the straps in any other positions such as around the shaft. Lifting or moving the machine by the shaft will damage the shaft and void the warranty. Failure to use proper lifting technique and strap location may result in permanent damage to the machine and/or serious injury to people who are near it.

SET-UP INSTRUCTIONS

- The Trautman sanders should be bolted to the floor using four anchor bolts. An anchor bolt system is available from Fillauer upon request (**PN-390900**).
- Installation should be in a well lit, adequately ventilated, uncluttered location with convenient access to proper electrical requirements.
- The Trautman sanders should be grounded in accordance with local codes and ordinances. A qualified electrician is required for installation.

OPERATION & ADJUSTMENT

- The Trautman Arbor and Drum Sanders are operated by an ON/OFF switch mounted on the front of the base. Each machine also has a safety emergency stop switch.
- Operation should be from the front which has rotation toward the operator.
- The work piece should be held firmly while avoiding excess pressure on the work tool.
- Excessive wear on sanding sleeves can cause damage to the pneumatic drum bladder and should be replaced before damage occurs.

RECOMMENDED MATERIALS, ADAPTERS, AND ACCESSORIES

- The Arbor and Drum Sanders can be used to shape plastic, lamination, carbon, wood, leather, rubber, crepe, and foams. Caution should be used with any material until the operator is familiar with its characteristics.
- Replacement sand discs and cones are available for the Arbor and Drum Sanders from Fillauer LLC.
- The ½"-13 threaded end on the 5001 Arbor is designed for use with Trautman sand cones, sand drums, felt arbors, polishing arbors, cutters, grinding rasps, and drill attachments.
- Use of the ½"-13 threaded end on the 5001 Arbor with a Trautman rasp, cutter, drill attachment, or other sharp tool requires precaution. Applying too much pressure might cause vibration. Discontinue use if excessive vibration occurs.
- All tools used with the 5001 Arbor should be tightened up to the shoulder on the threaded end of the shaft. Never use tools with loose or damaged threads. Discontinue use of the carver if its threads should become damaged and seek repair before continuing use.

MAINTENANCE

Warning: Always disconnect the machine's power source before performing any maintenance. Never disassemble the machine or expose wiring without disconnecting the electrical power.

- All required initial lubrication of internal parts is performed at the factory.
- Periodic lubrication of the roller bearings is required and frequency is dependent upon use. Relubricate the bearings once every four weeks if the machine runs 8 hours per day, and once every 2 weeks if the machine runs 10 hours per day. Relubricate with lithium complex base grease suitable for roller bearing service. If in doubt consult a reputable grease manufacturer. With normal lubrication there is a slight showing of grease at the seals.
- As required, the machines should be cleaned of dust and debris using compressed air or a soft dry cloth.
- Periodic cleaning of external surfaces is suggested if build up of dust and debris occurs. After cleaning, lubricate unpainted external surfaces with a light coating of oil for rust prevention.

WARRANTY

Trautman tools and accessories are warranted for manufacturing defects for 6 months from the date of shipment from the Fillauer warehouse or from an authorized Fillauer distributor. The 5001 and 5005 machines each hold a 1 year warranty. Items will be replaced or repaired at Fillauer's discretion at no charge to the customer. The warranty will be void if the item has been modified or used outside of Fillauer's recommendations.

TROUBLESHOOTING CHART

The following chart provides possible causes and solutions for common problems. It is meant to be a guide and no guarantee is made about its application or fitness for use. Please contact Fillauer or a qualified electrician with all troubleshooting and repair inquiries. Detailed repair instructions for some components can be obtained upon request.

Problem	Possible Cause	Possible Solution
The sander will not start and there is no sound coming from the motor.	<ol style="list-style-type: none"> 1. Unit is not connected to power source 2. Circuit breaker tripped 3. Damaged cord 4. Defective switch 5. Defective motor 6. Safety emergency stop switch is engaged 	<ol style="list-style-type: none"> 1. Check connection 2. Reset circuit breaker 3. Replace cord 4. Replace switch 5. Replace/repair motor 6. Check safety emergency stop switch
The shaft vibrates when the motor is running.	<ol style="list-style-type: none"> 1. Motor bolts are loose 2. Bearings may be worn 3. Shaft may be worn 	<ol style="list-style-type: none"> 1. Tighten bolts 2. Replace bearings 3. Replace shaft
Adapter will not thread onto shaft (5001 model only).	<ol style="list-style-type: none"> 1. Adapter thread might be wrong 2. Adapter thread damaged 3. Shaft thread damaged 4. Adapter might contain debris 	<ol style="list-style-type: none"> 1. Confirm ½"-13 Trautman thread with adapter mfg 2. Discard damaged adapter 3. Replace shaft/contact Fillauer 4. Clean out debris
The bearing is unusually hot and there is excessive grease leakage at the seals.	There is too much grease in the bearings	Remove grease
The bearing is unusually hot and noisy and there is no grease showing at the seals.	There is not enough grease in the bearings	Add grease



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