



TRAUTMAN CARVERS

from Fillauer LLC

PRODUCT MANUAL

Fillauer
COMPANIES

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GENERAL SPECIFICATIONS

TRAUTMAN FLOOR CARVER

The Trautman Floor Carver comes equipped with a durable brushless motor with built in thermal protectors. The motor is available in single speed, dual speed and variable speed. The floor models have both height and tilt adjustment with position locks. The tool shaft extension is 14”.

The Trautman Bench Carver comes equipped with a durable 1/4 HP single speed brushless motor. The motor is available in single speed and variable speed. This lightweight model features automatic thermal overload protection, adjustable height and tilt with position locks and a tool shaft extension of 10”. The unit can be bench mounted with the included stand or vise mounted for portability.

FLOOR MODEL SPECIFICATIONS

Description	Single Speed		Dual Speed	Variable Speed	
Model	2100/60	2100/50	2200/60	2300/60	2300/50
Power Rating	1 Ph, 115 V, 8.4 A, 60 Hz	1 Ph, 230 V, 10 A, 50 Hz	1 Ph, 115 V, 8.4/4.6 A, 60 Hz	1 Ph, 115 V, 8.1 A, 60 Hz	1 Ph, 230 V, 6.6 A, 50 Hz
Motor Speed (RPM)	3450	2860	3500/1760	0-3450	0-2860
Motor HP (Max)	1/2 HP		1/2 HP	3/4 HP	
Shaft Length	14 in.		14 in.	14 in.	
Shaft Thread	1/2-13 UNC		1/2-13 UNC	1/2-13 UNC	
Working Ht	26 in. - 56 in.		26 in. - 56 in.	26 in. - 56 in.	
Overall Ht	63 in.		63 in.	63 in.	
Space Requirement	24 in. x 48 in.		24 in. x 48 in.	24 in. x 48 in.	
Weight	219 lbs. (482 kg)		235 lbs. (517 kg)	228 lbs. (502 kg)	
Crated Wt	307 lbs. (675 kg)		324 lbs. (713 kg)	316 lbs. (695 kg)	

Note: Specifications subject to change without notice.

The 2100/60, 2200/60, 2300/60, 2500/60 and 2600/60 models are wired for 115V, 60HZ single phase power supply. These models are equipped with a power cord and standard US grounded plug. The 2100/50, 2300/50, 2500/50 and 2600/50 models are wired for 230V, 50HZ single phase power supply. These models are equipped with a power cord and grounded plug as specified by the customer at the time of purchase.

In manufacturing this product, Fillauer has made every effort to comply with OSHA workplace safety standards and the EU Safety of Machinery Directive. Before installation and use, check with your local governing bodies to verify that this machinery complies with local safety standards.

BENCH MODEL SPECIFICATIONS

Description	Single Speed		Variable Speed	
Model	2500/60	2500/50	2600/60	2600/50
Power Rating	1 Ph, 115 V, 3.4 A, 60 Hz	1 Ph, 230 V, 4.1 A, 50 Hz	1 Ph, 115 V, 11 A, 60 Hz	1 Ph, 230 V, 6.8 A, 50 Hz
Motor Speed (RPM)	3400	2820	0-3400	0-2820
Motor HP (Max)	1/4 HP			
Shaft Length	10 in.			
Shaft Thread	1/2-13 UNC			
Working Ht	15 in. - 22 in.			
Overall Ht	22 in.			
Space Requirement	8 in. x 21 in.		8 in. x 28 in.	
Weight	25 lbs. (482 kg)		28 lbs. (502 kg)	
Crated Wt	27 lbs. (675 kg)		93 lbs. (695 kg)	

Note: Specifications subject to change without notice.

OPERATING PRECAUTIONS

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

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 shutoff 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 or bench 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.
- Never modify the machine. Modifications may cause safety hazards and will void the warranty.

TRAUTMAN USE SAFETY WARNINGS

- Always wear safety glasses when using the Trautman Carvers.
- Work pieces should be held firmly with both hands.
- Avoid placing excess pressure on the work piece or tool.
- 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 or an external vacuum system is recommended to avoid breathing airborne dust particles.

FLOOR CARVER USE

UNCRATING & SET-UP INSTRUCTIONS

- The Trautman floor carvers are shipped fully assembled in a wooden or cardboard crate. The floor carver should be uncrated in the vertical position. Place the entire crate near the installation location and disassemble entire crate to expose floor carver. Positioning the carver in the final location is a two person job. If shipped in a box rather than a wooden crate follow uncrating process and carefully disassemble box to expose floor carver. If a sharp tool is used care should be taken not to damage the carver.
- The Trautman floor carver should be bolted to the floor using four anchor bolts. An anchor bolt system is available from Fillauer under part number 390900. This kit includes four bolts, one drill bit and anti-vibration stripping.
- Installation should be in a well lit, adequately ventilated, uncluttered location with convenient access to proper electrical receptacles.
- The Trautman floor carver should be grounded in accordance with local codes and ordinances. A qualified electrician should be consulted if electrical work is required. Grounding the carver will prevent electrical shock. The carver should never be used with extension cords or ungrounded receptacles.
- The Trautman Floor Carver comes with a standard US plug or custom plug as specified at the time of purchase. A plug should never be forced into a receptacle. If the plug is not compatible with your receptacle please consult a qualified electrician or contact Fillauer for assistance.

OPERATION & ADJUSTMENT

- The single speed floor carver is operated by an ON/OFF switch mounted to the side of the motor.
- The dual speed floor carver is operated by a HIGH/OFF/LOW toggle switch mounted to the side of the motor. The HIGH switch results in the maximum rpm from the motor while the LOW switch results in the minimum rpm from the motor.
- The variable speed floor carver is operated by an ON/OFF and START/STOP switch located on the control panel. ON supplies power to the unit and START rotates the shaft to the speed selected on the SPEED control knob. Variable speed is accomplished by turning the SPEED control knob with 100% speed resulting in the maximum rpm from the motor.
- The floor carvers are equipped with a thermal overload trip (TOL) device which will cut electrical power to the motor in the event of overheating. This device will reset once the motor cools to a safe level. In the event of a TOL trip the

ON/OFF button should be should be turned off. Caution should be taken while attempting to restart as damage could occur if the unit is not properly cooled.

- Operation should be from the side of the carver which has rotation toward (across the top of the shaft/tool) the operator.
- The work piece should be held firmly while avoiding excess pressure on the work tool.
- The working height of the floor carver can be adjusted by turning the height adjustment lever to release the position lock. This is a two person job. While one person holds the motor firmly, the other can unlock the lever. Set to desired height and tighten the lever securely to hold in place.
- Positioning for tilt can be done by releasing the tilt adjustment lever. This is a two person job. While one person holds the motor firmly, the other can unlock the tilt lever. Set to desired position and tighten the lever securely.

RECOMMENDED MATERIALS, ADAPTERS AND ACCESSORIES

- The floor carver is designed for use with Trautman sand cones, sand drums, felt arbors, polishing arbors, cutters, grinding rasps and drill attachments.
- The floor carver can be used to shape plastic, lamination, carbon, wood, leather, rubber, crepe and foams. Caution should be used with any material until operator is familiar with its characteristics.
- Use 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 should be tightened up to the shoulder on the carver shaft. Never use tools with loose or damaged threads. Discontinue use of the carver if its threads should become damaged.

TRAUTMAN FLOOR CARVER



BENCH CARVER USE

SET-UP INSTRUCTIONS

- The Trautman single speed bench carver is shipped assembled complete except for the rear mounting bolt that secures the motor mounting bracket to the pivot plate. This bolt must be installed and both rear and front bolts must be firmly secured with lock nuts included before starting the carver.
- The Trautman variable speed bench carver is shipped assembled complete and ready for installation.
- The carver should be bolted securely to a bench using the four 1/4 in. bolt holes in the carver stand.
- Installation should be in a well lit, adequately ventilated, uncluttered location with convenient access to proper electrical receptacles.
- The Trautman bench carver should be grounded in accordance with local codes and ordinances. A qualified electrician should be consulted if electrical work is required. Grounding the carver will prevent electrical shock. The carver should never be used with extension cords or ungrounded receptacles.
- The bench carver may be mounted in a vise for operation at patient care sites. This requires a vise that is large enough to fully and securely support the carver during operation. The vise must be firmly secured to a bench or stand to eliminate vibration or hazard. If carver can not be held securely by vise during operation, discontinue use at once.
- Both Trautman Bench Carvers come with a standard US plug or custom plug as specified at the time of purchase. A plug should never be forced into a receptacle. If the plug is not compatible with your receptacle please consult a qualified electrician or contact Fillauer for assistance

OPERATION AND ADJUSTMENT

- The single speed bench carver is operated by an ON/OFF switch located on the rear end of the motor.
- The variable speed bench carver is operated with a GREEN ON and a RED OFF push button located on the front of the controller box. The RED LCD read out screen will illuminate when power has been supplied to the machine. The controller box has been set to optimize the machine's performance and these settings should NEVER be changed.
- To power up the variable machine press the GREEN ON button located on the front panel of the controller. Adjust the desired speed by turning the speed adjustment knob to the desired percent of rotation. (Maximum speed of 3400 RPM at 60hz)
- To power down the variable machine press the RED OFF button located on the front panel of the controller. For a short period of time the machine may hold a small charge of power after the supply is disconnected. Do not turn on the machine any time after unplugging it.

- **CAUTION:** Do not make any adjustments to the variable machine's factory settings using the SETTING button located on the controller box. Changing the factory settings will void the machine's warranty.
- Operation should be from the side of the carver which has rotation toward (across the top of the shaft/tool) the operator.
- The work piece should be held firmly while avoiding excess pressure on the work tool.
- The bench carvers are equipped with a thermal overload trip (TOL) device which will cut electrical power to the motor in the event of overheating. This device will reset once the motor cools to a safe level. In the event of a TOL trip the ON/OFF button should be turned off. Caution should be taken while attempting to restart as damage could occur if the unit is not properly cooled.
- The height of the bench carver can be adjusted by turning the height adjustment lever to release the vertical column lock. While holding the motor firmly, unlock the lever, set to desired height and tighten the lever securely to hold vertical shaft in place.
- Positioning for tilt can be done by releasing the tilt adjustment lever. While holding the motor firmly, unlock tilt lever, set to desired position and tighten the lever securely.

RECOMMENDED MATERIALS, ADAPTERS AND ACCESSORIES

- The bench carver is designed primarily for use with abrasives such as the Trautman sand cones and drums and polishers such as the Trautman felt arbors.
- The bench carver can be used to shape plastic, lamination, carbon, wood, leather, rubber, crepe and foams. Caution should be used with any material until operator is familiar with its characteristics.
- Use with a Trautman rasp, cutter or drill attachment requires precaution as the bench carver might exhibit some vibration or stalling of the motor if too much pressure is applied. Discontinue use if excessive vibration occurs. These sharp tools should never be used when the bench carver is secured in a vise.
- All tools should be tightened up to the shoulder on the carver shaft. Never use tools with loose or damaged threads. Discontinue use of the carver if its threads should become damaged.

TRAUTMAN VARIABLE SPEED BENCH CARVER



TRAUTMAN BENCH CARVER



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 lubrication of internal parts is performed at the factory and no additional lubrication is required.
- 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.

TROUBLE SHOOTING CHART

This 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 with all Troubleshooting and Repair inquiries. Detailed repair instructions can be obtained upon request.

Problem	Possible Cause	Possible Solution
The carver will not start and there is no sound coming from the motor.	<ol style="list-style-type: none"> 1. Unit is not connected to the power source 2. Circuit breaker is tripped 3. Damaged cord 4. Defective Switch 5. Defective Motor 	<ol style="list-style-type: none"> 1. Check plug 2. Reset circuit breaker 3. Replace cord 4. Replace switch 5. Replace/repair motor
The carver will not start but there is sound coming from the motor.	<ol style="list-style-type: none"> 1. If motor will start by turning the shaft by hand, the capacitor may be defective 2. If shaft will not turn by hand bearings may be defective 3. If shaft will turn by hand but will not start, the start motor switch may be defective GE motor only 	<ol style="list-style-type: none"> 1. Replace Capacitor/motor 2. Replace bearings 3. Replace switch/motor
The shaft vibrates when the motor is running.	<ol style="list-style-type: none"> 1. The motor housing bolts may be loose 2. Coupling connecting motor to shaft is worn 3. Bearings may be worn 4. Shaft may be worn 	<ol style="list-style-type: none"> 1. Tighten bolts 2. Replace coupling 3. Replace bearings 4. Replace shaft
Adapter will not thread onto shaft.	<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 1/2-13 Trautman thread with adapter mfg 2. Discard damaged adapter 3. Replace shaft 4. Clean out debris

WARRANTY INFORMATION

TRAUTMAN EQUIPMENT WARRANTY

Trautman Equipment and Equipment accessories are warranted for manufacturing defects for 12 months from the date of shipment from the Fillauer warehouse or from an authorized Fillauer distributor. Items will be replaced or repaired at Fillauer's discretion at no charge to the customer (See Trautman Warranty Repair/Replacement Procedure and Agreement). The warranty will be void if the item has been modified, abused, or used outside of Fillauer's recommendations.



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