



VersaTool™ VT520 User Manual

Cordless Dual-Head Polisher

Model: VT520

Specifications: 20V Lithium-Ion | 5-Speed Variable | Dual-Action Orbital

Attachment System: Hook-and-Loop

Applicable Serial Numbers: P-1125-0001 to P-1125-0500

1. General Power Tool Safety Warnings



WARNING: Read all safety warnings, instructions, and specifications provided with this power tool. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury. Save all warnings and instructions for future reference.

Work Area Safety

- **Keep work area clean and well-lit.** Cluttered or dark areas invite accidents.
- **Do not operate in explosive atmospheres.** Avoid use in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite fumes.
- **Keep bystanders away.** Keep children and visitors at a safe distance while operating the tool.

Personal Safety

- **Stay Alert.** Use common sense. Do not use the tool while tired or under the influence of drugs, alcohol, or medication.

- **Use Personal Protective Equipment (PPE).** * Always wear ANSI-approved eye protection.



Use a dust mask if the operation generates airborne particles.
Wear hearing protection during extended use.

- **Entanglement Hazard.** Do not wear loose clothing, jewelry, or scarves. Keep long hair tied back. Loose items can be caught in the dual rotating heads.

2. Specific Safety Rules for Dual-Head Polishers

Critical Operational Hazards

- **Pinch Point Warning:** The two heads rotate in an overlapping pattern. NEVER place fingers, clothing, or foreign objects between the heads while the battery is connected.
- **Free-Air Spinning:** **NEVER** turn the tool on unless the pads are resting against the work surface. Starting the tool in “free air” may cause pads to detach and be ejected at high velocity.
- **Lock-On Awareness (Cruise Control):** This tool features an automatic latching mechanism. Be prepared to press the Lower Button immediately to stop the motor in an emergency.
- **Wet Conditions:** Do not use this tool in rain or wet conditions. Moisture entering the motor housing can cause short circuits.

3. Setup & Power System

Battery Management

- **Install:** Align the 20V battery with the handle slot and slide until it clicks securely.
- **Remove:** Press the release latch and slide the pack out.
- **Temperature:** Do not charge or store the battery below 40°F (4°C) or above 105°F (40°C).

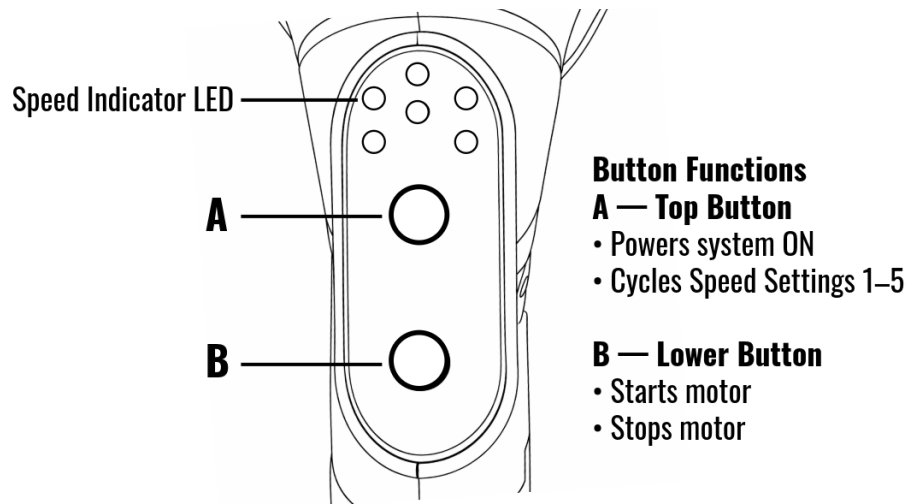
Attaching Accessories (Hook-and-Loop System)

- **Safety First:** Ensure the battery is REMOVED before changing any accessory.
- **Inspect Plate:** Ensure the backing plate surface is clean.
- **Attach:** Center the desired pad or brush over the backing plate. Press firmly to engage the Hook-and-Loop fibers.

Note: Off-center pads will cause excessive vibration and poor results.

4. Controls & Operation

The VT520 features a 2-button digital interface located on the handle.



How to Operate

1. Press (A) for 3 seconds to power on.
2. Press (A) to select speed (1 = Low, 5 = High).
3. Press (B) to start the motor.
4. Cruise control- continue holding (B) for 3 seconds. Then release the button
5. Press (B) again to stop the motor.



Operating Sequence

- **Power Up System:** Press and hold the Top Button for 3 seconds. The LED indicator will light up to show the system is awake.
- **Select Speed:** Press the Top Button repeatedly to cycle through speeds 1 through 5. Speed must be selected while the motor is stopped.
- **Engage Motor:** Rest the pads against the surface. Press and hold the Lower Button to start rotation.
- **Cruise Control (Lock-On):** Continue holding the Lower Button for 3 seconds. You may then release the button; the tool will remain running automatically.
- **To Stop:** Press the **Lower Button** once. The motor will stop immediately.

5. Maintenance & Troubleshooting

Maintenance

- **Vents:** Blow dry compressed air through motor vents weekly to prevent dust buildup.
- **Hook-and-Loop Integrity:** Regularly inspect backing plates. If the hooks become worn or flattened and no longer hold pads firmly, replace the backing plate immediately.
- **Cleaning:** Wipe with a damp cloth and mild soap. Do not immerse in liquid.

Troubleshooting

Issue	Possible Cause	Correction
System Wont Wake	Battery Depleted Timing Issue	Charge the battery pack Hold the button for 3 seconds
Motor Stops Running	Lock-On not engaged Battery Depleted	Ensure lower button is held for 3 seconds Charge the battery pack
Excessive Vibration	Pad off center	Remove and recenter the pad
Pad Detaches	Worn hook-and-loop	Replace the backing plate

Rugged Industries, Inc. warrants the **VT520 Cordless Dual-Head Polisher** to be free from defects in materials and workmanship for a period of one (1) year from the original date of purchase. This warranty applies only to the original purchaser and is non-transferable.

What is Covered: Repair or replacement (at Rugged Industries, Inc. discretion) of the tool body, motor, and electronic control system.

What is Not Covered: * Consumable parts including polishing pads, brushes, and **hook-and-loop backing plates**.

- Batteries (which may carry a separate limited warranty).
- Damage caused by misuse, accidents, neglect, unauthorized repairs, or alterations.
- Damage resulting from exposure to moisture or extreme temperatures.

Disclaimer of Liability

VersaTool shall not be liable for any incidental, indirect, or consequential damages arising from the use or misuse of this product. This includes, but is not limited to:

- Damage to the work surface (paint, gelcoat, wood, etc.).
- Personal injury resulting from failure to follow safety instructions.
- Loss of time or profit.

The user assumes all risk and liability for the results obtained by the use of this tool. It is the user's responsibility to test the tool and pads on an inconspicuous area before proceeding with a full application.