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PROXXON 37070

PROXXON Table Saw FET Model 37070 Instruction Manual

Brand: PROXXON | Model: 37070

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, setup, and maintenance of your PROXXON Table Saw FET Model 37070. Please read all instructions carefully before using the tool to ensure proper function and to prevent injury.



Figure 1: PROXXON Table Saw FET Model 37070

The PROXXON Table Saw FET is designed for precision cutting of various materials including wood, non-ferrous metals, plastics, Plexiglas, fiberglass-reinforced sheets, and foam. Its features include an adjustable blade, an extendable table, and a low-noise motor, making it suitable for intricate projects.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power tools.

- **Read the Entire Manual:** Understand all operating procedures and warnings before use.
- **Wear Eye Protection:** Always wear safety glasses or goggles to protect against flying debris.
- **Use Hearing Protection:** Wear ear protection during operation to prevent hearing damage.
- **Keep Work Area Clean:** Cluttered areas invite accidents. Ensure adequate lighting.
- **Avoid Dangerous Environments:** Do not use power tools in damp or wet locations, or expose them to rain. Keep work area well-lit.
- **Keep Children Away:** All visitors should be kept a safe distance from the work area.
- **Secure Workpiece:** Always clamp or secure the workpiece to prevent movement during cutting.
- **Use Proper Blade:** Ensure the correct blade type and size are installed for the material being cut.
- **Disconnect Power:** Always disconnect the saw from the power supply before making adjustments, changing blades, or performing maintenance.
- **Maintain Tools:** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories.
- **Avoid Forcing Tool:** The tool will do the job better and more safely at the rate for which it was designed.
- **Never Reach Over Blade:** Keep hands clear of the blade path at all times. Use a push stick when necessary.

3. PACKAGE CONTENTS

The PROXXON Table Saw FET Model 37070 package typically includes the following items:

- PROXXON Table Saw FET unit
- Tungsten-tipped saw blade (80mm diameter, 36 teeth)
- Longitudinal stop (fence) with micro-adjustment screw
- Angle stop with rail
- Workpiece pusher
- Non-slotted ABS sawing gap cover
- Vacuum cleaner adapter



Figure 2: Product packaging and included components

4. SETUP AND ASSEMBLY

Follow these steps to set up your table saw for initial use.

4.1 Attaching the Longitudinal Stop (Fence)

1. Slide the longitudinal stop onto the guide rail at the front of the table.
2. Position the stop to the desired measurement.
3. Secure the stop using the locking mechanism. For fine adjustments, use the integrated adjusting screw. Each turn of the screw allows for precise corrections, even as small as 0.004 inches (0.1mm).

4.2 Installing the Saw Blade

The saw comes with a tungsten-tipped blade installed. If you need to change or install a blade:

1. **Disconnect Power:** Ensure the saw is unplugged from the power outlet.
2. **Remove Table Insert:** Carefully remove the table insert covering the blade area.
3. **Loosen Arbor Nut:** Use the provided wrench to loosen the arbor nut holding the blade.

4. **Replace Blade:** Remove the old blade and install the new blade, ensuring the teeth are oriented correctly for cutting. The saw supports blades with a diameter between 2 and 3 11/32 inches (50-85mm) and a 13/32 inch (10mm) center hole.
5. **Tighten Arbor Nut:** Securely tighten the arbor nut.
6. **Reinstall Table Insert:** Place the table insert back into position.

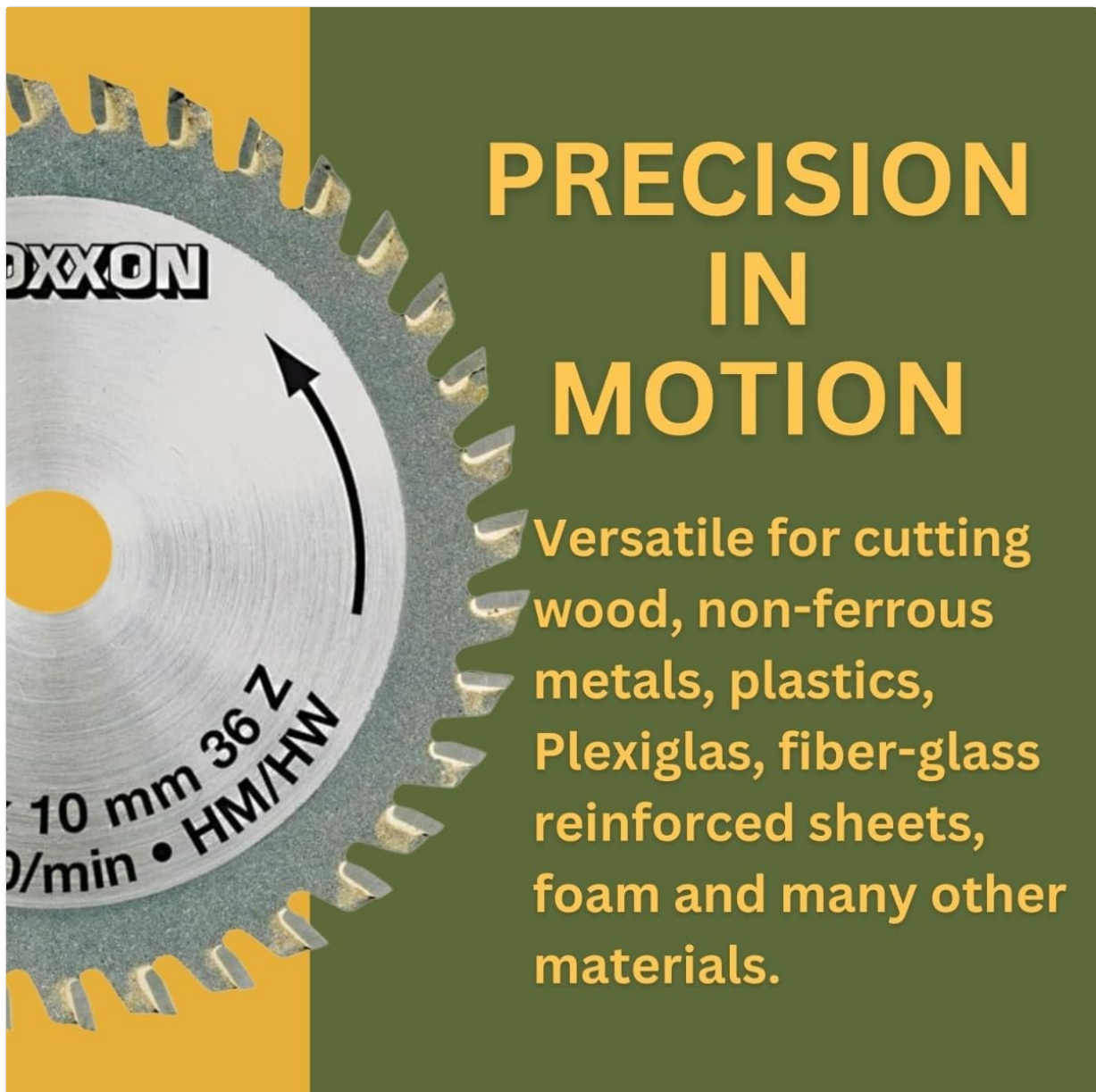


Figure 3: Tungsten-tipped saw blade for precision cutting

4.3 Connecting to Power

Connect the saw's power cord to a standard 110-120V AC, 60Hz electrical outlet.

5. OPERATING INSTRUCTIONS

Understand the various adjustments and techniques for effective cutting.

5.1 Adjusting Blade Height and Angle

The saw blade's height and angle are adjustable to accommodate different material thicknesses and cut types.

- **Blade Height:** Use the adjustment knob located on the front of the saw to raise or lower the blade. The cutting depth ranges from 0.04 to 5/6 inches (1 to 22mm).
- **Blade Angle (Miter Cuts):** The blade can be tilted up to 45 degrees for miter cuts. Use the angle adjustment lever and scale to set the desired angle.

TABLE SAW FET

- Up to 5/6" Cutting Depth
- 110 - 120V AC
- 7000 RPM
- 12" x 12" Table Size
- Mitre infinitely adjustable up to 45°



Figure 4: Blade angle adjustment mechanism

5.2 Making Straight Cuts (Ripping)

1. Set the blade height slightly above the workpiece thickness.
2. Adjust the longitudinal stop (fence) to the desired cutting width. Use the micro-adjustment screw for fine tuning.
3. Place the workpiece against the fence and firmly on the table.
4. Turn on the saw.
5. Slowly and steadily feed the workpiece into the blade, keeping it pressed against the fence. Use the workpiece pusher for safety, especially with smaller pieces.

PERFECTLY STRAIGHT CUTS

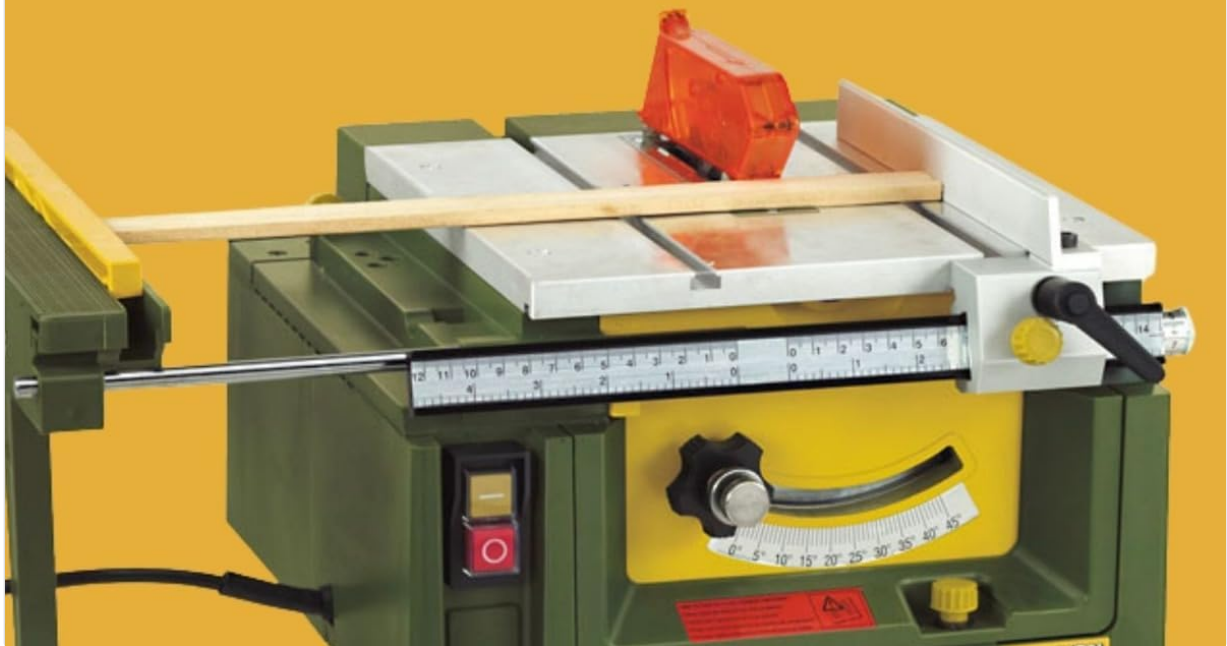


Figure 5: Performing a straight cut with the longitudinal stop

5.3 Making Miter Cuts

1. Set the blade height appropriately.
2. Adjust the blade angle to the desired miter angle (up to 45 degrees).
3. Alternatively, use the angle stop with its rail, which slides in the milled slot on the table top. Set the angle stop to the required angle.
4. Place the workpiece against the angle stop and firmly on the table.
5. Turn on the saw and feed the workpiece through the blade.
6. Double miter cuts are possible by combining blade tilt and angle stop adjustments.

5.4 Using the Extendable Table

The saw features an extendable table extension with an integrated auxiliary stop, useful for supporting larger workpieces and ensuring accurate cuts.

5.5 Vacuum Adapter

Attach a vacuum cleaner to the integrated adapter to maintain a clean work area and reduce dust exposure during operation.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your table saw.

6.1 Blade Replacement

Refer to Section 4.2 for detailed instructions on how to safely replace the saw blade.

6.2 Cleaning

- **Disconnect Power:** Always unplug the saw before cleaning.
- **Remove Dust and Debris:** Use a brush or vacuum cleaner to remove sawdust and debris from the table, blade guard, and motor vents.
- **Clean Table Surface:** Wipe the table surface with a clean, dry cloth.
- **Inspect Components:** Periodically inspect all moving parts, fasteners, and electrical cords for wear or damage.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your PROXXON Table Saw FET.

- **Saw Not Starting:**
 - Check if the power cord is securely plugged into a functional outlet.
 - Ensure the power switch is in the 'ON' position.
 - Verify that the circuit breaker has not tripped.
- **Inaccurate Cuts:**
 - Ensure the longitudinal stop (fence) is securely locked and parallel to the blade. Use the micro-adjustment for precise alignment.
 - Check that the blade is clean, sharp, and correctly installed.
 - Verify that the workpiece is held firmly against the fence and table during the cut.
 - For miter cuts, ensure the angle stop or blade tilt is set accurately and secured.
- **Excessive Vibration or Noise:**
 - Check if the saw blade is properly tightened and not damaged.
 - Ensure the saw is placed on a stable, level surface.
 - Inspect for any loose components or debris inside the saw housing.
- **Blade Binding or Slow Cutting:**
 - The blade may be dull and require sharpening or replacement.
 - Ensure the correct blade type is used for the material.
 - Avoid forcing the workpiece; feed it at a consistent, appropriate speed.
 - Check for proper blade alignment and fence parallelism.

8. SPECIFICATIONS

Feature	Specification
Model Number	37070
Brand	PROXXON
Voltage	110 - 120V AC
Frequency	60Hz
Wattage	200 watts
Speed	7,000 RPM
Table Size	12 x 12 inches (300 x 300mm)
Cutting Depth	0.04 - 5/6 inches (1 - 22mm)
Blade Diameter Range	2 - 3 11/32 inches (50 - 85mm)
Blade Arbor Hole	13/32 inches (10mm)
Miter Angle Adjustment	Infinitely adjustable up to 45 degrees
Product Dimensions (L x W x H)	13"L x 14"W x 8"H
Item Weight	17.36 pounds (approx. 6kg)
Blade Material	Steel (Tungsten-tipped included)
Power Source	Corded Electric
Special Features	Adjustable blade height and angle, Extendable table, Low noise motor, Vacuum adaptor

9. WARRANTY AND SUPPORT

9.1 Limited Warranty

PROXXON Inc. warrants to the original purchaser that all PROXXON consumer power tools will be free from defects in material or workmanship for a period of **two years from the date of purchase**. This warranty covers repair or replacement of defective parts, provided the tool has not been misused, carelessly handled, or improperly repaired by unauthorized personnel.

This limited warranty does not apply to tools used for commercial manufacturing and construction applications, nor does it cover accessory items such as circular saw blades, drill bits, router bits, jigsaw blades, sanding belts, grinding wheels, and other related accessories. Damage resulting from tampering, accident, abuse, negligence, unauthorized repairs or alterations, unapproved attachments, or other causes unrelated to material or workmanship are not covered.

Any implied warranties are limited in duration to two years from the date of purchase. In no event shall PROXXON Inc. be liable for any incidental or consequential damages arising from the sale or use of this product.



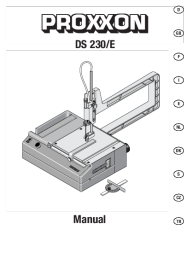


All warranty claims must be accompanied by a copy of the packing slip, invoice, or other proof of purchase.

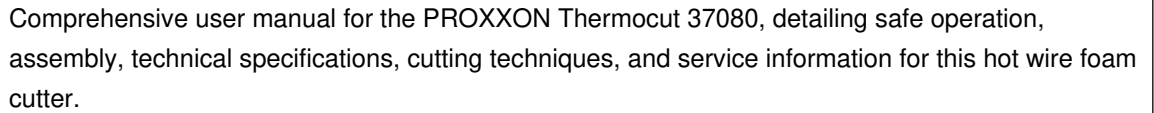
9.2 Customer Support

For technical assistance, parts, or warranty inquiries, please contact PROXXON customer support. Refer to the product packaging or the official PROXXON website for current contact information.

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Related Documents - 37070

	<p>PROXXON PD 250/E Precision Lathe Manual</p> <p>This manual provides comprehensive operating instructions, safety guidelines, technical data, and maintenance information for the PROXXON PD 250/E precision lathe. It covers setup, operation, turning techniques, thread cutting, and accessory installation.</p>
	<p>Proxxon Milling Cutter 11426528 Safety Instructions and Product Information</p> <p>Comprehensive safety instructions and product overview for the Proxxon milling cutter model 11426528. Learn about safe usage, material compatibility, and handling precautions.</p>
	<p>PROXXON DS 230/E Fret Saw: Operating Instructions and Safety Guide</p> <p>Comprehensive operating instructions and safety guidelines for the PROXXON DS 230/E fret saw, covering safe usage, maintenance, technical specifications, and troubleshooting.</p>
	<p>PROXXON BSG 220 Drill Grinder Manual</p> <p>This manual provides operating instructions, safety regulations, and technical data for the PROXXON BSG 220 Drill Grinder. Learn how to properly grind spiral drills, adjust relief angles, dress the grinding wheel, and maintain the machine.</p>
	<p>Proxxon Product Safety Guidelines</p> <p>Essential safety instructions for Proxxon products, covering safe work areas, tool inspection, user focus, manual adherence, user restrictions, and packaging warnings. Ensure safe operation with these guidelines.</p>



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