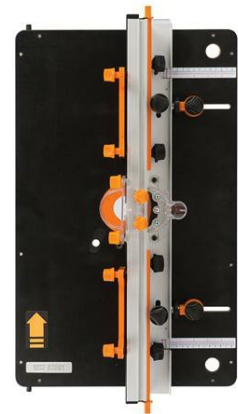# Router Table Module

## TWX7RT001

Precision router table module specifically designed for TWX7 Workcentre. Compatible with all three Triton plunge routers (TRA001, MOF001 and JOF001) for shaping, planing, rebating, trenching, moulding and grooving. Extruded aluminium main fence and adjustable side fences. Features micro adjusters, rotating cruciform fence spacers, safety guard and dust extractor connector. Includes quick set horizontal (2) and vertical featherboards (2). Easy assembly and configuration. Combined with Workcentre 7 achieves a full featured Router Table capable of professional results. High quality materials and components ensure a long life. Fully supported by optional accessories for extending functionality.

## Technical Specification

| | |
|---|---|
| **Product Height** | 180mm |
| **Product Length** | 710mm |
| **Product Width** | 410mm |
| **Product Weight** | 9.9kg |
| **Dust Extraction** | Yes |

## Compatible With

| | | |
|---|---|---|
| TWX7 | | TWX7 Workcentre |
| TRA | 001 | Dual Mode Precision Plunge Router 2400W |
| MOF | 001 | Dual Mode Precision Plunge Router 1400W |
| JOF | 001 | Compact Precision Plunge Router 1010W |

## What's in the Box

- 1 x Router Module Base with low friction Mdot coating
- 1 x Module fixings and levelling hardware
- 1 x Aluminium fence with low friction Mdot face
- 2 x Cruciform planing accessories
- 2 x Fence micro adjusters
- 3 x Throat plates
- 2 x Horizontal featherboards
- 2 x Vertical featherboards
- 2 x Dust extraction ports
- 1 x Starter pin
- 1 x Height winder hole blanking plates
- 2 x Instruction manual

Engineered Precision

tritontools.com

# triton

## Router Table Module

**GB** **Operating and Safety Instructions**

**NL** Bedienings- en
veiligheidsvoorschriften

**FR** Instructions d'utilisation
et consignes de sécurité

**DE** Gebrauchs- und
Sicherheitsanweisung

**IT** Istruzioni per l'uso
e la sicurezza

**ES** Instrucciones de
uso y de seguridad

**PT** Instruções de
Operação e Segurança

**PL** Instrukcja obsługi
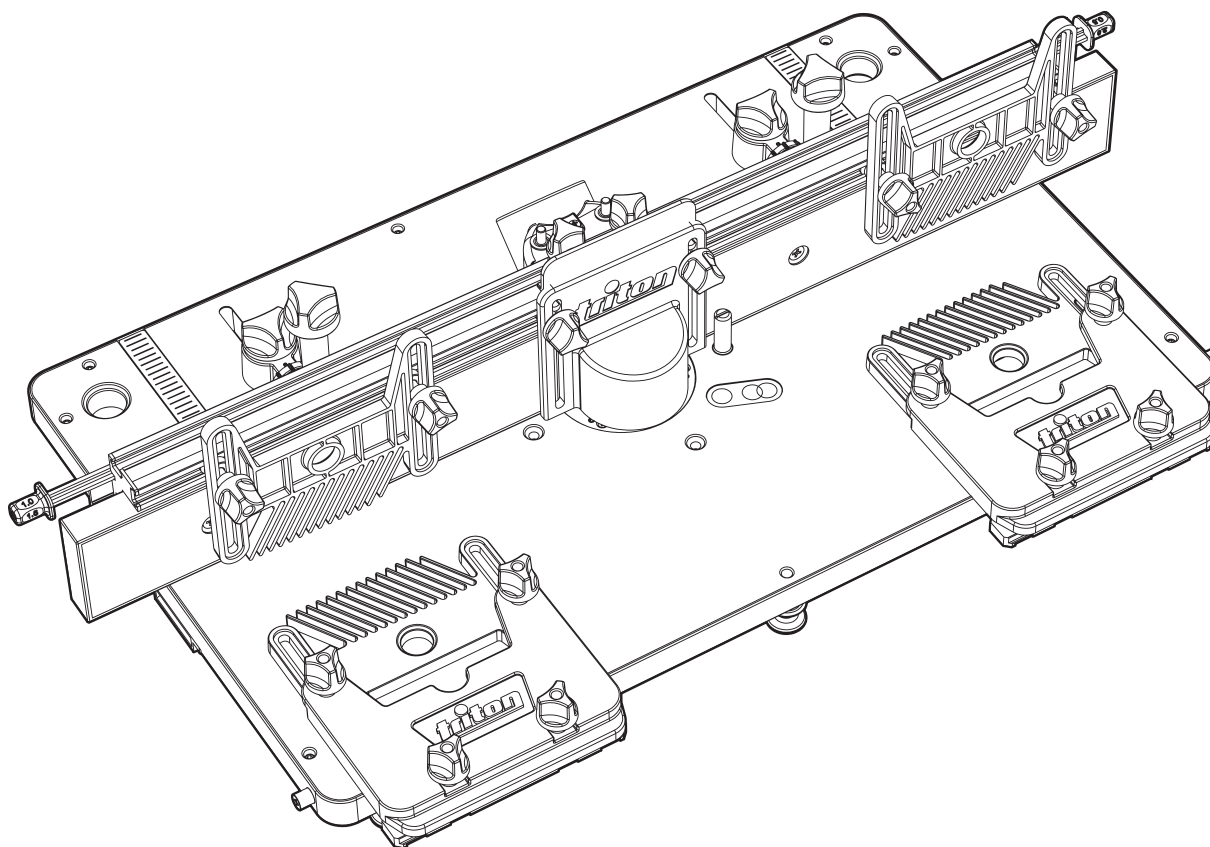i bezpieczestwa

**RU** Инструкции по эксплуатации и
правила техники безопасности

**HU** Kezelési és
biztonsági utasítások

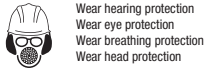**CZ** Provozní a
bezpečnostní pokyny

**SK** Prevádzkové a bez-
pečnostné pokyny

**TR** Çalıma ve
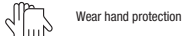Ğüvenlik Talimatları

**Original Instructions**

# Original Instructions

*Thank you for purchasing this Triton tool. This manual contains information necessary for safe and effective operation of this product. This product has unique features and, even if you are familiar with similar products, it is necessary to read this manual carefully to ensure you fully understand the instructions. Ensure all users of the tool read and fully understand this manual.*
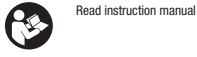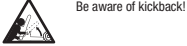
## Description of Symbols

Wear hearing protection
Wear eye protection
Wear breathing protection
Wear head protection
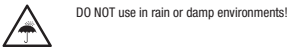
Wear hand protection

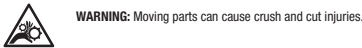Read instruction manual

Be aware of kickback!

Warning: Sharp blades or teeth!

Indoors use only!
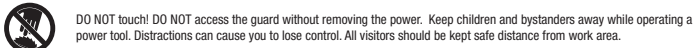
DO NOT use in rain or damp environments!

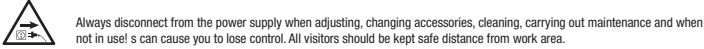**WARNING:** Moving parts can cause crush and cut injuries.
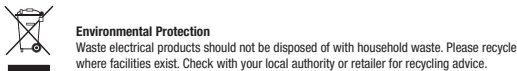
Caution!

Toxic fumes or gases!

DO NOT touch! DO NOT access the guard without removing the power. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control. All visitors should be kept safe distance from work area.

Always disconnect from the power supply when adjusting, changing accessories, cleaning, carrying out maintenance and when not in use! s can cause you to lose control. All visitors should be kept safe distance from work area.

Conforms to relevant legislation and safety standards.

**Environmental Protection**
Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

## Technical Abbreviations Key

| | |
|---|---|
| V | Volts |
| ~, AC | Alternating current |
| A, mA | Ampere, milli-Amp |
| $n_0$ | No load speed |
| Ø | Diameter |
| ° | Degrees |
| λ | Wavelength |
| Hz | Hertz |
| ⎓, DC | Direct current |
| W, kW | Watt, kilowatt |
| /min or min⁻¹ | Operations per minute |
| dB(A) | Decibel sound level (A weighted) |
| m/s² | Metres per second squared (vibration magnitude) |

## Specification

| | |
|---|---|
| **Part no:** | TWX7RT001 |
| **Compatible routers:** | Triton TRA001 Triton MOF001 Triton JOF001 |
| **Router module size:** | 660 x 410mm (26 x 16⅛") |
| **Workcentre table size:** | 904 x 708mm (35⁵⁄₁₆ x 27⅞") |
| **Extruded fence size:** | 680 x 85mm (26¾ x 3⅜") |
| **Extruded fence thickness:** | 21.4mm |
| **MDF fence face size (x 2):** | 340 x 75mm (13⅜ x 3") |
| **Max MDF fence face opening:** | 90mm (3½") |
| **Fence adjustable position:** | +25/-125mm (+1 / -5") |
| **Fence micro adjusters:** | 1mm (one full revolution) |
| **Spacer bar settings:** | 0.5, 1.0, 1.5, 2.0mm |
| **Guard height:** | 0-76mm (0-3") |
| **Featherboard stack height:** | 1: 9.5mm (⅜"), 2:15mm (⁹⁄₁₆"), 3: 44mm (1¾"), 4: 50mm (2") |
| **Maximum throat plate router bit diameter (Dmax);** | Large - 50mm (2") Medium - 40mm (1⁹⁄₁₆") Small - 20mm (¹³⁄₁₆") |
| **Dust Extraction fitting (Dia):** | 31.75mm (1-¼") High Pressure / 2½" (62.5mm) Low Pressure |
| **Net weight:** | 9.9kg (22lbs) |
| **Note: Imperial measurements are approximate.** | |

## General Safety

**WARNING!** When using electric power tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury including the following safety information. Read all these instructions before attempting to operate this product and save these instructions for future use.

**WARNING:** This appliance is not intended for use by persons (including children) with reduced, physical or mental capabilities or lack of experience or knowledge unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children must be supervised to ensure that they do not play with the appliance.

**CAUTION:** Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

*The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.*

1 - **Keep work area clear** - Cluttered areas and benches invite injuries

2 - **Consider work area environment**
   - Do not expose tools to rain
   - Do not use tools in damp or wet locations
   - Keep work area well lit
   - Do not use tools in the presence of flammable liquids or gases

3 - **Guard against electric shock** - Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators)

4 - **Keep other persons away** - Do not let persons, especially children, not involved in the work touch the tool or the extension cord and keep them away from the work area

5 - **Store idle tools** - When not in use, tools should be stored in a dry locked-up place, out of reach of children

6 - **Do not force the tool** - It will perform the job better and safer at the rate for which it was intended

7 - **Use the right tool** - Do not force small tools to do the job of a heavy duty tool.
   Do not use tools for purposes not intended; for example, do not use circular saws to cut tree limbs or logs

8 - **Dress appropriately**
   - Do not wear loose clothing or jewellery, which can be caught in moving parts
   - Suitable safety footwear is recommended when working outdoors
   - Wear protective covering to contain long hair

9 - **Use protective equipment**
   - Use safety glasses
   - Use face or dust mask if working operations create dust

**WARNING:** Not using protective equipment or appropriate clothing can cause personal injury or increase the severity of an injury.

10 - **Connect dust extraction equipment** - If the tool is provided for the connection of dust extraction and collecting equipment, ensure these are connected and properly used

11 - **Do not abuse the power cable** - Never yank the power cable to disconnect it from the socket. Keep the power cable away from heat, oil and sharp edges. Damaged or entangled power cables increase the risk of electric shock

12 - **Secure work** - Where possible use clamps or a vice to hold the work. It is safer than using your hand

13 - **Do not overreach** - Keep proper footing and balance at all times

14 - **Maintain tools with care**
   - Keep cutting tools sharp and clean makes the tool easier to control and less likely to bind or lock in the workpiece
   - Follow instruction for lubricating and changing accessories
   - Inspect tool power cables periodically and if damaged have them repaired by an authorized service facility
   - Inspect extension cables periodically and replace if damaged
   - Keep handles dry, clean and free from oil and grease

**WARNING:** Many accidents are caused by poorly maintained power tools.

15 - **Disconnect tools** - When not in use, before servicing and when changing accessories such as blades, bits and cutters, disconnect tools from the power supply

**WARNING:** The use of accessories or attachments not recommended by the manufacturer may result in a risk of injury to persons.

16 - **Remove adjusting keys and wrenches** - Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before switching it on

17 - **Avoid unintentional starting** - Ensure switch is in "off" position when connecting to a mains socket or inserting a battery pack, or when picking up or carrying the tool

**WARNING:** Unintended starting of a tool can cause major injuries.

18 - **Use outdoor extension leads** - When the tool is used outdoors, use only extension cords intended for outdoor use and so marked. Use of an extension cable suitable for outdoor use reduces the risk of electric shock

19 - **Stay alert**
   - Watch what you are doing, use common sense and do not operate the tool when you are tired

- Do not use a power tool while you are under the influence of drugs, alcohol or medication

**WARNING:** A moment of inattention while operating power tools may result in serious personal injury.

20 - **Check damaged parts**

- Before further use of tool, it should be carefully checked to determine that it will operate properly and perform its intended function

- Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation

- A guard or other part that is damaged should be properly repaired or replaced by an authorized service centre unless otherwise indicated in this instruction manual

- Have defective switches replaced by an authorized service centre

**WARNING:** Do not use the tool if the on/off switch does not turn it on and off. The switch must be repaired before the tool is used.

21 - **Have your tool repaired by a qualified person** - This electric tool complies with the relevant safety rules. Repairs should only be carried out by qualified persons, otherwise this may result in considerable danger to the user

**WARNING:** When servicing use only identical replacement parts.

**WARNING:** If the power cable is damaged it must be replaced by the manufacturer or an authorised service centre.

22 - **Power tool mains plugs must match the mains socket** - Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching sockets will reduce risk of electric shock

23 - **If operating a power tool outside use a residual current device (RCD)** - Use of an RCD reduces the risk of electric shock

**NOTE:** The term "residual current device (RCD)" may be replaced by the term "ground fault circuit interrupter (GFCI)" or "earth leakage circuit breaker (ELCB)".

**WARNING:** When used in Australia or New Zealand, it is recommended that this tool is ALWAYS supplied via Residual Current Device (RCD) with a rated residual current of 30mA or less.

# Router Table Safety

⚠ **WARNING: ALWAYS wear personal protective equipment;**

- Hearing protection to reduce the risk of induced hearing loss

- Respiratory protection to reduce the risk of inhalation of harmful dust

- Cut-proof no-fray gloves to avoid possible injuries when handling router cutters and rough material due to sharp edges. Any gloves where fabric material can work loose with the possibility of fabric strands MUST not be used when operating the router table

- Safety glasses to avoid eye injury caused by flying particles

*Ensure all people in the vicinity of the work area use adequate protection. Keep bystanders a safe distance away.*

⚠ **WARNING: ALWAYS connect the dust extraction port on the router cutter guard to a suitable vacuum dust extraction system. Certain types of wood are toxic or may cause allergic reactions** in people and animals, especially when exposed to very fine dust. ALWAYS wear appropriate respiratory protection in addition to vacuum dust extraction.

a) **ONLY fit plunge routers that are listed as compatible in 'Specification' to the Router Table.** *Only fit router bits that are suitable for the installed plunge router, with shanks compatible with the collet installed.*

b) **NEVER reach to the underside of the router table when the router is connected to the power supply.**

c) **ALWAYS remove the router plunge spring and plastic base plate, before fitting the tool to the router table.** *This enables easy router bit change and height winder adjustment from above the table.*

d) **Keep your hands away from the cutting area.** *NEVER pass your hands directly over, or in front of, the revolving cutter. As one hand approaches the router bit, move it AWAY from the cutter, in an arc motion over the top of the router bit, to the out-feed side beyond the cutter. NEVER trail your fingers behind the workpiece and DO NOT use awkward hand positions. Use push sticks and blocks where necessary.*

e) **Do not attempt to perform tasks on workpieces shorter than 300mm (12") in length without using special fixtures or jigs.** It is recommended to make work pieces oversize then cut to finished length.

f) **ASSESS risks, benefits and alternatives BEFORE using push sticks, push blocks or other jigs and safety devices.** *In many applications the use of such contraptions is useful and safe, however, in others it can be dangerous. Push sticks can fly out of the operator's hand, when they come into contact with the revolving router bit, potentially causing serious injuries.*

g) **ALWAYS support large workpieces on the in-feed and out-feed sides of the router table, and where necessary, also to the sides.** *Use Triton Sliding Extension or Multi-stand wherever possible.*

h) **ALWAYS use guards, fences, horizontal and vertical featherboards etc., to guide the workpiece, counteract and avoid kickback, especially when routing small or narrow workpieces.** Vertical featherboards attached to the fence also help prevent uncontrolled lift-up of the workpiece.

i) **ALWAYS remove ALL loose objects from the table before operating.** Vibrations may cause loose objects to move, and come into contact with the cutter.

j) **NEVER attempt to remove wood fragments or dust from the cutter with your hands, whilst the router bit is spinning.** *ALWAYS switch the router off, disconnect the machine from the power supply, and wait until the cutter has come to a standstill. ALWAYS use cut-proof gloves when touching the cutter, to avoid injury.*

k) **ALWAYS inspect the workpiece for nails, staples and other metal objects and foreign bodies.** *If the router cutter hits a concealed nail, the bit may be destroyed, high-velocity projectiles may be produced, kickback can occur, all of which can lead to serious injury.*

l) **WHEREVER possible, use blind cutting techniques, where the router bit does not protrude from underneath the workpiece.** *Keeping the cutter on the underside of the workpiece provides additional operator protection.*

m) **ONLY expose the smallest possible part of the cutter above the table surface.** *Keep any unused portion of the cutter below the table surface.*

n) **ALWAYS test any new setup by rotating the spindle by hand, with the machine disconnected from the power supply.** *Ensure proper cutter clearance to the throat place, fence and guard, before starting the machine.*

o) **ALWAYS use suitable throat plates,** *providing optimum clearance around the router bit.*

p) **ALWAYS use the router cutter guard,** *and adjust the guard to cover as much of the router bit as possible, as close to the workpiece as possible. This not only protects the user from accessing the revolving router cutter, it also provides effective dust extraction*

q) **LIMIT the depth of cut; NEVER remove too much material in one pass.** *Several passes with at smaller cutting depth are safer, and produce a better surface finish.*

r) **ENSURE to adjust the router cutter speed, according to router cutter diameter and material being cut.** *Use the speed selection dial on the plunge router.*

s) **ALWAYS feed AGAINST the rotation of the cutter.** *Both feed direction and rotation are indicated by arrows on the router table surface.*

t) **ALWAYS use the fence if using a cutter without bearing or pilot.** *ALWAYS support the workpiece firmly against the fence. NEVER remove the retractable guards on the fence. ALWAYS use a cutter with bearing or pilot for freehand work.*

# Additional safety information

- ONLY use router cutters in perfect working condition compatible with the specification of the router table and which are suitable for hand feeding operation (marked 'MAN' for manual operation according to EN 847-1)

- The bit must not enter the workpiece in the same direction as the feed direction. If this occurs, it is likely to cause climb cutting, causing the workpiece to climb and pull away from the operator. This can lead to a loss of control and a potential hazard during operation

- Do not attempt to re-sharpen router cutters unless you specifically follow the manufacturer's instructions and have the equipment to complete this task. The majority of router cutters have blades that cannot be re-sharpened and must be replaced immediately if dull

- Do not create fence traps caused by improper fence location. Fence traps happen when the fence is positioned so far back that the front side of the workpiece would be behind the router cutter. These are dangerous due to the risk of climb cutting and the difficulty of keeping the workpiece against the fence

- Ensure the correct table insert (table ring) is fitted that is the correct size for the size of the router cutter fitted

- Never use a router table until fully assembled and always re-check fasteners after re-assembly after storage

- Make certain the router is not plugged into the power outlet when installing into the table or when making adjustments or changing accessories

- DO NOT plug the router into a standard mains wall socket. It must be plugged into the router table switch box so it can be switched off in an emergency

- The router table must be installed on a solid level surface and secured so the table will not tip. Use of auxiliary in-feed and out-feed supports is necessary for long or wide workpieces. Long workpieces without adequate support could cause the table to tip towards the operator causing injury

- Routers create a lot of vibration and can work loose from their mountings. Check the mountings frequently and re-tighten if necessary

- Never start the tool with the router cutter already engaged in the workpiece. This can lead to a lack of control and possible injury

- The router table is designed to cut flat, straight and squared material only. Do not cut material that is warped, uneven, weak or made from inconsistent material. If necessary make sure material is correctly prepared before use. Incorrect material can lead to a lack of control and possible injury

⚠ **WARNING:** Unmaintained tools can cause uncontrolled situations. ONLY use router cutters that are correctly sharpened, maintained and adjusted in accordance with the manufacturer's instructions.

**Note:** Seek professional training and assistance before attempting work that require procedures you are not familiar with. STOP using the router table, if, at any point during operation, you encounter difficulties or are uncertain how to proceed safely.

# Product Familiarisation

1. Horizontal Featherboard T-Slot
2. Fence Face Spacer
3. Module Levelling Screw
4. Fence Micro-Adjuster
5. Vertical Featherboard
6. Guard Knob
7. Extraction Connector
8. Fence
9. Fence Knob
10. Table Scale
11. Module Levelling Screw
12. Thumb Hole
13. Featherboard Adjuster Knob
14. Fence Face
15. Module Mounting Rollers & Tracks
16. Cutter Height Winder Slot
17. Guard
18. Direction Indicator
19. Horizontal Featherboard
20. Featherboard T-Slot Knob
21. Featherboard Adjuster Knob
22. Module Levelling Bobbin Screw
23. Fence Face Adjustment Knob
24. Micro-Adjuster
25. Fence Slot
26. Fence Micro-Adjuster Knob
27. Table Scale Indicator

# Intended Use

An effective router table capable of edge rebating, trenching, cross trenching, planing, edge moulding (fence and free hand), end grain work, using a template guide, and morticing. For use with the Triton Workcentre TWX7 and Triton Routers.

# Unpacking Your Tool

- Carefully unpack and inspect your new tool. Familiarise yourself with all its features and functions

- Ensure that all parts of the tool are present and in good condition. If any parts are missing or damaged, have such parts replaced before attempting to use this tool

**IMPORTANT:** Read these instructions in combination with the instructions supplied with your Triton router and the Triton Workcentre.

# Before Use

⚠ **WARNING:** Ensure the router is switched off and disconnected from the power supply before attaching or changing any accessories, inserting or removing modules or making any adjustments.

## Installing and removing the router module

See 'Installing and removing modules' in the main Workcentre TWX7 manual for a complete guide.

**WARNING:** Lower the router cutter to a safe height position before installing or removing the router table module.

**WARNING:** Some modules are heavy, especially with power tools installed. ALWAYS grip modules with both hands, ensure secure footing, stand upright, and avoid awkward movements when removing and fitting modules

**IMPORTANT:** Always lower modules carefully using both the provided Thumb Holes. Uncontrolled lowering can cause Workcentre, module and power tool damage as well as possible injury to the operator.

⚠ **WARNING:** Do not place fingers and/or body parts between the module and the Workcentre chassis. See Fig. L

**To remove:** Toggle the Module Locks to the unlocked position (see Fig. M). Using both Thumb Holes (12) to tilt the module to 45° then slide and lift out

**To insert:** Locate the Module Mounting Rollers in the Module Mounting Tracks (15) as a hinging point and lower the insert down. Use the Thumb Holes to lower to a level position and then re-lock the Module Locks

**Note:** Modules can be stood upright by angling them to around 120°. This position can be used when adjustments on the underside of modules are necessary, e.g. adjustments to the fitted power tools, and there is no need to remove the module.

## Assembling the router table module

- Use the Figures provided; A-K to assemble the router table module. Step B requires additional information below.

**Note:** P1-6 on Fig.A is the Starting Pin for freehand operation and only requires fitting for freehand operation.

## Fitting a Triton router to the router mounting plate

- The mounting plate is on the underside of the table and has been designed for direct mounting of any of the three Triton Routers (JOF001, MOF001 and TRA001)

**WARNING:** Remove the plunge spring to configure the router for table-mounted operation. See the original router manual for procedure. Store the spring carefully as it will need to be re-fitted when the router is removed from the router table module.

1. Remove the plastic cover of the base plate of the router by removing the securing screws. The screws and plastic base plate should be safely stored for when they may need to be re-fitted in the future

2. Ensure the base of the router is completely clean so it will be level with the mounting plate when fitted

3. Loosen the two mounting knobs on the router until they are approximately 10mm (3/8") above the base of the router when pushed down

4. Push down on the mounting knobs until the bolt heads locate into the keyholes and rotate the router anticlockwise until the knobs align with the small triangle holes (Fig. B)

5. Tighten the mounting knobs firmly

6. Ensuring all mains power is switched off, connect the power cable plug of the power tool to the mains socket of the Workcentre not directly to a wall socket or other mains outlet

**Note:** Early Triton TRA001 routers do not feature a table winder connector.

## Levelling the throat plate

1. Level the throat plate in the router table using a square and the supplied hex key to adjust the levelling screws (see Fig. N)

2. Fit the three Throat Plate Screws (P8) to secure the throat plate in position

3. Check the throat plate is level with the table surface

**IMPORTANT:** Always ensure the correct throat plate is used for the fitted router bit.

## Levelling the router module

- All modules must be adjusted so they are level with the Workcentre chassis, to achieve accurate results and for safe operation. Therefore all modules are equipped with seven Module Levelling Screws (11)

1. Fit the module into the Workcentre chassis and lock both Module Locks (20)

2. Tighten the three Module Levelling Bobbin Screws (11), until there is no movement between the module and the Workcentre chassis

3. Place a straight edge over the corner, across the levelling screws, and check for gaps

4. Adjust the Module Levelling Screws, using the provided hex key, until both sides of the corner are flush with the Workcentre chassis

5. Repeat for the remaining three corners and the single Module Levelling Screw in the middle of the long side of the module.

GB

6. Check all sides of the module are flush with the Workcentre chassis by placing a straight edge over the module, perpendicular to the long and short sides, as well as diagonally over the table. Fine-adjust and re-check where necessary

## Dust extraction

**WARNING:** ALWAYS use a suitable vacuum cleaner or workshop dust extraction system.

**WARNING:** Some dust from natural wood , surface coatings and composite materials contains toxic substances. ALWAYS dispose of harmful dust according to laws and regulations.

• While dust extraction can be achieved using any vacuum cleaner, domestic (bag-type) units can fill up very quickly. For a much larger capacity, consider fitting a Triton Dust Collector (DCA300) to your vacuum cleaner

• The combined electrical load of the router and vacuum cleaner may exceed the rated amperage of the domestic extension lead or power outlet. Always connect the vacuum cleaner and router to separate electrical outlets, and switch on both appliances separately

# Operation

⚠ **WARNING:** ALWAYS wear eye protection, adequate respiratory and hearing protection, as well as suitable gloves, when working with this tool.

**IMPORTANT:** The router table is marked with the feed direction. This indicates the correct and safest direction for the workpiece when making the cut.

**WARNING:** Do not over-balance the Workcentre by using very large workpieces.

**Note:** Refer to your original TWX7 Workcentre instructions for full information and diagrams that refer to parts of the Workcentre.

## Workcentre switchbox operation

**IMPORTANT:** The switchbox requires a live mains connection to switch ON. It will reset to OFF as soon as power is disconnected and require resetting to ON when power is restored to continue operation.

**Switching on and off**

**Note:** Refer to your router manual for additional information

1. The Workcentre ON/OFF Switch is located at the front
2. Connect the Workcentre mains lead to a wall socket and switch on
3. Switch the Workcentre ON/OFF Switch into the 'O' position by pushing on the emergency stop flap
4. Switch on the power tool by pressing the ON/OFF Switch into the 'I' position
5. Switch the Workcentre ON/OFF Switch into the 'I' position to power the tool to use
• Press down on the emergency stop flap to switch off

## User position and feed direction

• The main user position is defined by the location of the safety cut-off switch
• ALWAYS remain positioned in close proximity to the switch, so the machine can be instantly switched off in the case of emergency
• Feed workpieces from this position in the direction indicated by the arrows on the table surface of the individual module

## Fitting and removing router bits

**WARNING: Do not use** Router Cutters that exceed 50mm in diameter with the router table module.

1. Switch off the router with the power switch fitted to the tool itself
2. Fit the table winder through the router table and wind to raise the router cutter and collet
3. Use the router collet spanner to remove and replace the existing router bit
4. Wind the table winder so the router bit is at the correct height position
5. Ensuring the Workcentre power switch is set to 'Off', return the router on/off switch to the on/position

**IMPORTANT:** Do not use the table winder while the router is powered.

**IMPORTANT:** Refer to the router manual for details of compatible router bit types and sizes.

## Using the guard

• Ensure the Guard (17) is used whenever possible and set to the correct height position to ensure maximum protection for the operator's hands

## Using the fence micro adjusters

1. Screw the thumbwheels on the Fence Micro-Adjusters (4) out to provide sufficient adjustment. Tighten the micro-adjusters in position against the rear of the fence and screw the thumbwheels in to obtain the required rebate amount. One complete turn is 1mm
2. Unlock the fence, move it back against the micro-adjusters and re-lock

## Using the fence

• The Fence Faces (14) should always be positioned as close to the cutter as possible. Position them by sliding forward or backward. Ensure they are tensioned firmly enough to resist unwanted movement

## Using the featherboards

**IMPORTANT:** Horizontal and vertical featherboards should not overlap in use. A minimum gap of 10mm is required. See Fig. Q

Both the Vertical Featherboard (5) and Horizontal Featherboard (19) are used to apply light pressure to the workpiece to hold it more securely as it is cut.

• Each featherboard has a short plastic pin (Fig O): this indicates the workpiece line. Adjust both the Vertical Featherboard and Horizontal Featherboard so this shorter pin just touches the workpiece so the longer pins are correctly tensioned against the workpiece in use
• The exposed router bit cutter height should not exceed the height of the installed horizontal featherboards. Horizontal featherboards can be stacked to allow for a higher exposed cutter and taller workpieces. This is an additional purchase TWX7FB.

| Stacked | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| Height | 9.5mm (⅜") | 15mm (⁹⁄₁₆") | 44mm (1¾") | 50mm ( 2") |
| **Note:** Imperial measurements are approximate. | | | | |

## Using the fence spacers

Planing cuts should be performed with the cutter mostly hidden behind the Fence Faces (14) (Fig. R & S)

**WARNING:** NEVER make planing cuts with the workpiece passing between the cutter and fence on the right. The cutter will flex aside, 'climb up' on the work, and rip the workpiece out of your hands - or even pull your hand into the cutter

## Planing on the router fence

• Planing cuts of 0.5, 1.0, 1.5 and 2.0mm can be performed using the Fence Face Spacers (2)

**Method 1**

1. Ensure the Fence Faces are close to the cutter
2. Push the spring-loaded left Fence Face away from the fence and slide the two Fence Face Spacers into the gaps created at the required rotation for the maximum cut depth required as marked on the spacer
3. Use a wooden straight edge to align the cutter blade with the left Fence Face only. Begin the cut

**Method 2**

1. Ensure the Fence Faces are close to the cutter
2. Set Micro-Adjusters (24) to mid travel; ensure marks are aligned
3. Use a wooden straight edge to align the cutter blade with the Fence Faces. Push the Micro-Adjusters into contact with the Fence. Lock the Fence in this position
4. Decide on cut depth required. Wind both Micro-Adjusters clockwise by this depth. Unlock the Fence and push back into contact with the Micro-Adjusters
5. Push the spring-loaded left Fence Face away from the Fence and slide the two Fence Face Spacers into the gaps created at the required rotation for the maximum cut depth required as marked on the spacer. Begin the cut

## Fitting the starting pin

• A Starter Pin can be fitted to the router table to assist freehand routing. For freehand operation, configure the router table as Fig. P
• Ensure the guard is correctly adjusted to the correct height to provide maximum protection to the operator's hands (Fig. T)
• In use, the workpiece should contact the starter pin first and be angled from that position to the cutter for the first cut

# Accessories

• A wide range of accessories and consumables, in addition to those listed below, is available from your Triton stockist. Spare parts can be obtained from toolsparesonline.com

| Triton code | Description |
|---|---|
| TWX7P | Protractor |
| TWX7FB | Featherboard Pack |

# Maintenance

⚠ **WARNING:** ALWAYS disconnect from the power supply before carrying out any inspection, maintenance or cleaning.

## General inspection

• Check regularly that all the fixing screws are tight and all parts are undamaged and in good condition. Do not use the router table until any faulty, damaged or heavily worn parts are replaced
• Inspect the supply cord of the tool, prior to each use, for damage or wear. Repairs should be carried out by an authorised Triton service centre. This advice also applies to extension cords used with this tool

## Cleaning

• Keep your tool clean at all times. Dirt and dust will cause internal parts to wear quickly, and shorten the machine's service life. Clean the body of your machine with a soft brush, or dry cloth. If available, use clean, dry, compressed air to blow through the ventilation holes
• Clean the tool casing with a soft damp cloth using a mild detergent. Do not use alcohol, petrol or strong cleaning agents
• Never use caustic agents to clean plastic parts

## Lubrication

• Slightly lubricate all moving parts at regular intervals with a suitable spray lubricant

# Storage

• Store this tool carefully in a secure, dry place out of the reach of children

# Disposal

Always adhere to national regulations when disposing of power tools that are no longer functional and are not viable for repair.

• Do not dispose of power tools, or other waste electrical and electronic equipment (WEEE), with household waste
• Contact your local waste disposal authority for information on the correct  way to dispose of power tools

# Troubleshooting

| Problem | Possible cause | Solution |
|---|---|---|
| No function when power turned on | No power | Check power supply |
| | Router unit's power switch is off | Reset router power switch |
| Table module is not level | Levelling screws are not correctly adjusted | Refer to 'Levelling the router module' section |
| | Rough surface | Ensure the Workcentre is situated on a secure flat surface. Relocate the table if the ground is found to be rough |
| Unknown mechanical noise | Check router cutter is correctly fitted | Tighten collet assembly |
| | Other fittings have worked loose | Check fittings |
| | Router has worked loose from router mounting | Secure router correctly and tighten fittings |
| Large amount of chippings and dust in use | Check vacuum system bag or cylinder is not full | Replace bag or empty cylinder |
| | Check dust extraction is switched on | Switch on |
| | Check dust extraction is properly connected | Make sure everything is correctly assembled along the whole dust extraction assembly and hose |
| Poor quality results | Check router cutter is sharp and in good condition | Replace if dull or worn |
| | Check router speed is correct | Set the speed correctly on router unit |
| | Cut is too deep per pass | Complete work in multiple passes |
| Workpiece difficult to control | Workpiece incorrectly positioned | Read Router Table Safety section and also refer to your original Router Manual for additional safety information |
| | Fence incorrectly positioned | |
| | Workpiece direction incorrect | |
| | Featherboards not correctly used | |

# Guarantee

To register your guarantee visit our web site at www.tritontools.com* and enter your details.

Your details will be included on our mailing list (unless indicated otherwise) for information on future releases. Details provided will not be made available to any third party.

## Purchase Record

Date of Purchase: ___ / ___ / ____

Model: TWX7RT001    Retain your receipt as proof of purchase

Triton Precision Power Tools guarantees to the purchaser of this product that if any part proves to be defective due to faulty

materials or workmanship within 3 YEARS from the date of original purchase, Triton will repair, or at its discretion replace, the faulty part free of charge.

This guarantee does not apply to commercial use nor does it extend to normal wear and tear or damage as a result of accident, abuse or misuse.

\* Register online within 30 days.

Terms & conditions apply.

This does not affect your statutory rights

# CE Declaration of Conformity

**The undersigned:** Mr Darrell Morris

**as authorised by:** Triton Tools

Declares that

**Identification code:** TWX7RT001

**Description:** Router Table Module

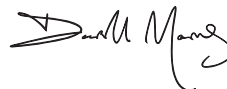**Conforms to the following directives and standards:**

- Machinery Directive 2006/42/EC
- Low Voltage Directive 2006/95/EC
- EMC Directive 2004/108/EC
- RoHS Directive 2011/65/EU
- EN60745-1
- EN60745-2-17

**Notified body:** TÜV Rheinland Co., Ltd

**The technical documentation is kept by:** Triton Tools

**Date:** 30/01/2015

**Signed:**

Mr Darrell Morris

Managing Director

**Name and address of the manufacturer:**

Powerbox International Limited, Company No. 06897059. Registered address: Central House, Church Street, Yeovil, Somerset BA20 1HH, United Kingdom.

**Notes:**

**Notes:**

# *triton*
## *Precision Power Tools*

Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

Lead from lead-based paints

- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically-treated rubber

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well-ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

Certaines poussières générées par le ponçage, sciage, le perçage et d'autres activités de constructions électriques contiennent des substances chimiques reconnues dans l'État de la Californie comme étant une cause de cancer, de malformations congénitales et d'autres problèmes reproductifs. Des exemples de ces substances chimiques sont :

- Le plomb, provenant des peintures à base de plomb
- La silice cristalline, provenant des briques, du ciment et d'autre matériaux de construction
- L'arsenic et le chrome, provenant des caoutchoucs traités chimiquement

Les risques résultant de ces expositions varient en fonction de la fréquence à laquelle vous effectuez ce type de travaux. Pour réduire l'exposition à ces substances chimiques : travaillez dans une zone ventilée et portez un équipement adapté, comme un masque à poussière conçu spécialement pour filtrer les particules microscopiques.

Parte del polvo creado por el lijado, aserrado, esmerilado, taladrado y otras actividades de construcción contienen sustancias químicas identificadas por el estado de California como causantes de cáncer, o defectos de nacimientos, y/u otros daños reproductivos. Algunos ejemplos de estos productos químicos son:

- El plomo de las pinturas a base de plomo.
- La sílice cristalina de los ladrillos y cemento y otros productos de mampostería.
- El arsénico y el cromo de goma tratados químicamente.

El riesgo derivado de estas exposiciones puede variar dependiendo de la frecuencia con que se realice este tipo de trabajo. Para reducir la exposición a estas sustancias químicas, trabaje siempre en áreas bien ventilada y lleve equipos de seguridad adecuados, tales como máscaras contra el polvo especialmente diseñadas para filtrar partículas microscópicas.