

**trend**<sup>®</sup>  
tool technology



# T5<sub>MK2</sub> V2



Please read these instructions before use.



Dear Customer

Thank you for purchasing this Trend product, we hope you enjoy many years of creative and productive use.

Please remember to return your guarantee card within 28 days of purchase.

## CONTENTS

<b>TECHNICAL DATA</b> _____	<b>1</b>
<b>DECLARATION OF CONFORMITY</b> _____	<b>2</b>
<b>SAFETY</b> _____	<b>3-5</b>
<b>ELECTRICAL SAFETY</b> _____	<b>5-6</b>
<b>PACKAGE CONTENT</b> _____	<b>6</b>
<b>DESCRIPTION OF PARTS</b> _____	<b>7</b>
<b>ASSEMBLY &amp; ADJUSTMENT</b>	
– Dust Extractor Spout _____	<b>8</b>
– Handle Direction Arrow _____	<b>8</b>
– Switching On & Off _____	<b>9</b>
– Depth of Cut _____	<b>9</b>
– Fitting & Removing Cutters _____	<b>10</b>
– Speed Control _____	<b>11</b>
– Fine Height Adjuster _____	<b>11</b>
– Fixing Points _____	<b>11</b>
<b>OPERATION</b>	
– Cutting Direction & Feed Speed _____	<b>12</b>
– Side-fence Routing _____	<b>13</b>
– Template Guide Bush Routing _____	<b>14</b>
– Beam Trammel Routing _____	<b>15</b>
– Bearing Guided Cutters _____	<b>16</b>
– Freehand Routing & Batten Routing _____	<b>17</b>
<b>MAINTENANCE</b> _____	<b>18</b>
<b>ENVIRONMENTAL PROTECTION</b> _____	<b>18</b>
<b>GUARANTEE</b> _____	<b>18</b>
<b>SPARE PARTS</b>	
– Spare Parts List _____	<b>19-20</b>
– Spare Parts Diagram _____	<b>IB</b>



If you require further safety advice, technical information or spare parts, please call Trend Technical Support or visit [www.trend-uk.com](http://www.trend-uk.com)

## TECHNICAL DATA

		<b>T5 MK2</b>
Voltage	V AC	240
Version		2
Power input	W	1010
No load speed	min 1	9000 27000
Router carriage	mm	2 column
Max cutter diameter	mm	40
Collet size for UK and ROI	inch	1/4
Weight	kg	2.9
Noise values and vibration values (triax vector sum) according to EN62841 2 17:		
$L_{PA}$ (emission sound pressure level)	dB(A)	72
$L_{WA}$ (sound power level)	dB(A)	92
K (uncertainty for the given sound level)	dB(A)	2.5
Vibration emission value $a_{h,rv} =$	$m/s^2$	< 2.5
Uncertainty K =	$m/s^2$	1.5

The vibration and/or noise emission level given in this information sheet has been measured in accordance with a standardised test given in EN62841 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure.



**WARNING:** The declared vibration and/or noise emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration and/or noise emission may differ. This may significantly increase the exposure level over the total working period.

An estimation of the level of exposure to vibration and/or noise should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration and/or noise such as: maintain the tool and the accessories, keep the hands warm (relevant for vibration), organisation of work patterns.

**EC DECLARATION OF  
CONFORMITY  
MACHINERY DIRECTIVE**



**Plunge Router T5E MK2 v2**

Trend declares that the product described under Technical Data is in compliance with 2006/42/EC

This product also complies with Directives:  
2011/65/EU  
2014/30/EU

and the following Harmonised Standards:

EN 62841-1:2015 + AC:2015  
EN 62841-2-17:2017  
EN 55014-1:2017 + A11:2020  
EN 55014-2:2015  
EN 61000-3-2:2014  
EN 61000-3-3:2013  
EN IEC 63000:2018

Signature

Neil McMillan  
Technical Director

**Manufacturer**

Trend Tool Technology Ltd  
Unit 6 Odhams Trading Estate,  
St. Albans Road, Watford,  
Herts, WD24 7TR, England  
01/03/2022

**Technical File Contact**

Trend Tool Technology Ltd  
3rd Floor, Kilmore House,  
Park Lane, Spencer Dock  
Dublin 1, Ireland

**UK UK DECLARATION OF  
CA CONFORMITY  
THE SUPPLY OF MACHINERY  
(SAFETY) REGULATIONS 2008  
Plunge Router T5E MK2 v2**

The undersigned, representing the following manufacturer

**Manufacturer:**

Trend Tool Technology Ltd. Watford, England  
WD24 7TR declares that the product(s):

**Product identification:**

Product: Plunge Router  
Brand: Trend  
Model: T5E MK2 V2

Conforms to the following UK Regulations

- The Supply of Machinery (Safety) Regulations, 2008, S.I. 2008/1597 (as amended).
- Electromagnetic Compatibility Regulations, 2016, S.I. 2016/1091 (as amended).
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012, S.I. 2012/3032 (as amended).

and the following Designated Standards:

S.I. 2008/1597: BS EN 62841-1:2015 + AC:2015  
BS EN 62841-2-17:2017  
BS EN 55014-1:2017 + A11:2020  
BS EN 55014-2:2015  
BS EN IEC 61000-3-2:2014  
BS EN 61000-3-2:2013  
BS EN IEC 63000:2018

The undersigned is responsible for compilation of the technical file and makes this declaration on behalf of Trend Tool Technology Ltd.

Signature

Neil McMillan  
Technical Director

**Trend Tool Technology Ltd**  
Unit 6 Odhams Trading Estate,  
St. Albans Road, Watford,  
Herts, WD24 7TR, England  
01/03/2022



**WARNING:** To reduce the risk of injury, read the instruction manual.

### Definitions: Safety Guidelines

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.



**DANGER:** Indicates an imminently hazardous situation which, if not avoided, will result in **death or serious injury**.



**WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in **death or serious injury**.



**CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in **minor or moderate injury**.



**NOTICE:** Indicates a practice **not related to personal injury** which, if not avoided, may result in **property damage**.



Denotes risk of electric shock.



Denotes risk of fire.



## GENERAL POWER TOOL SAFETY WARNINGS



**WARNING:** Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

## SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

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

### 1) Work Area Safety

a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.

b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.

c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

### 2) Electrical Safety

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

b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.

c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.

e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

### 3) Personal Safety

a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while

operating power tools may result in serious personal injury.

**b) Use personal protective equipment.**

**Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.

**c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.**

Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

**d) Remove any adjusting key or wrench before turning the power tool on.**

A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

**e) Do not overreach. Keep proper footing and balance at all times.**

This enables better control of the power tool in unexpected situations.

**f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.**

Loose clothes, jewellery or long hair can be caught in moving parts.

**g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.**

Use of dust collection can reduce dust-related hazards.

**h) Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.**

A careless action can cause severe injury within a fraction of a second.

**4) Power Tool Use and Care**

**a) Do not force the power tool. Use the correct power tool for your application.**

The correct power tool will do the job better and safer at the rate for which it was designed.

**b) Do not use the power tool if the switch does not turn it on and off.**

Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

**c) Disconnect the plug from the power source and/ or the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

**d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.

**e) Maintain power tools and accessories.**

**Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.

**f) Keep cutting tools sharp and clean.**

Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

**g) 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.

**h) Keep handles and grasping surfaces dry, clean and free from oil and grease.**

Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

**5) Service**

**a) Have your power tool serviced by a qualified repair person using only identical replacement parts.**

This will ensure that the safety of the power tool is maintained.

**Safety Instructions for Routers**

**a) Hold the power tool by insulated gripping surfaces only, because the cutter may contact its own cord.**

Cutting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electrical shock.

**b) Use clamps or another practical way to secure and support the workpiece to a stable platform.** Holding the work by your hand or against the body leaves it unstable and may lead to loss of control.

**c) Keep handles dry, clean and free from oil and grease.** This will enable better control of the tool.

**d) Maintain a firm grip with both hands on the tool to resist starting torque.** Maintain a firm grip on the tool at all times while operating.

**e) Keep hands away from cutting area above and below the base. Never reach under the workpiece for any reason.** Keep the router base firmly in contact with the workpiece when cutting.

**f) Never touch the bit immediately after use. It may be extremely hot.**

**g) Be sure that the motor has stopped completely before you lay the router down.** If the bit is still spinning when the tool is laid down, it could cause injury or damage.

**h) Be sure that the router bit is clear of the workpiece before starting the motor.** If the bit is in contact with the workpiece when the motor starts, it could make the router jump, causing damage or injury.

**i) The permitted speed of the cutting bit must be at least equal to the maximum speed marked on the power tool.** If cutting bits run faster than their rated speed, they may break and fly off.

**j) Always follow the bit manufacturer's speed recommendations as some bit designs require specific speeds for safety or performance.** If you are unsure of the proper speed or are experiencing any type of problem, contact the bit manufacturer.

**k) Do not use cutters larger than 40mm in this tool.**

## RESIDUAL RISKS



**WARNING:** We recommend the use of a residual current device with a residual current rating of 30mA or less.

In spite of the application of the relevant safety regulations and the implementation of safety devices, certain residual risks cannot be avoided. These are:

- Impairment of hearing.
- Risk of personal injury due to flying particles.
- Risk of burns due to accessories becoming hot during operation.
- Risk of personal injury due to prolonged use.

## SAVE THESE INSTRUCTIONS



### Electrical Safety

The electric motor has been designed for one voltage only. Always check that the power supply corresponds to the voltage on the rating plate.



Your tool is double insulated in accordance with EN62841; therefore no earth wire is required.

If the supply cord is damaged, it must be replaced only by Trend Tool Technology Ltd or an authorised service organisation.

### Mains Plug Replacement (U.K. & Ireland Only)

If a new mains plug needs to be fitted:

- Safely dispose of the old plug.
- Connect the brown lead to the live terminal in the plug.
- Connect the blue lead to the neutral terminal.



**WARNING:** No connection is to be made to the earth terminal. Follow the fitting instructions supplied with good quality plugs. Recommended fuse for 240V U.K. plug: 13 A.



**WARNING:** Always ensure that the cable clamp is correctly and securely fitted to the sheath of the cable.



## **USING AN EXTENSION CABLE**

An extension cord should not be used unless absolutely if an extension cable is required, use an approved 3-core extension cable suitable for the power input of this tool (**see Technical Data**). The minimum conductor size is 1.5 mm<sup>2</sup>; the maximum length is 30m.

When using a cable reel, always unwind the cable completely.

## **PACKAGE CONTENT**

- 1 x Router
- 1 x Parallel side-fence with micro adjuster
- 1 x Fence rods (pair)
- 2 x Adjustable fence cheeks with fixing screws
- 1 x Collet 1/4" (6.35mm)
- 1 x Spanner (17mm A/F)
- 1 x Guide bush 20mm and fixing screws
- 1 x Beam trammel attachment
- 1 x Dust extractor spout
- 1 x Grip knob direction arrow sticker
- 1 x Instruction manual

- Check for damage to the tool, parts or accessories which may have occurred during transport.
- Take the time to thoroughly read and understand this manual prior to operation.

## **MARKINGS ON TOOL**

The following pictograms are shown on the tool:



Read instruction manual before use.



Wear ear protection.



Wear eye protection.



Wear dust mask.

## **Date Code Position**

The year of manufacture is on the rating plate.



**WARNING:** Never modify the power tool or any part of it. Damage or personal injury could result.

## **INTENDED USE**

The router has been designed for professional heavy duty routing of wood, wood based materials and plastics.

The router is intended for routing grooves, edges, profiles and slots as well as copy routing.

**DO NOT** use under wet conditions or in the presence of flammable liquids or gases.

The router is a professional power tool.

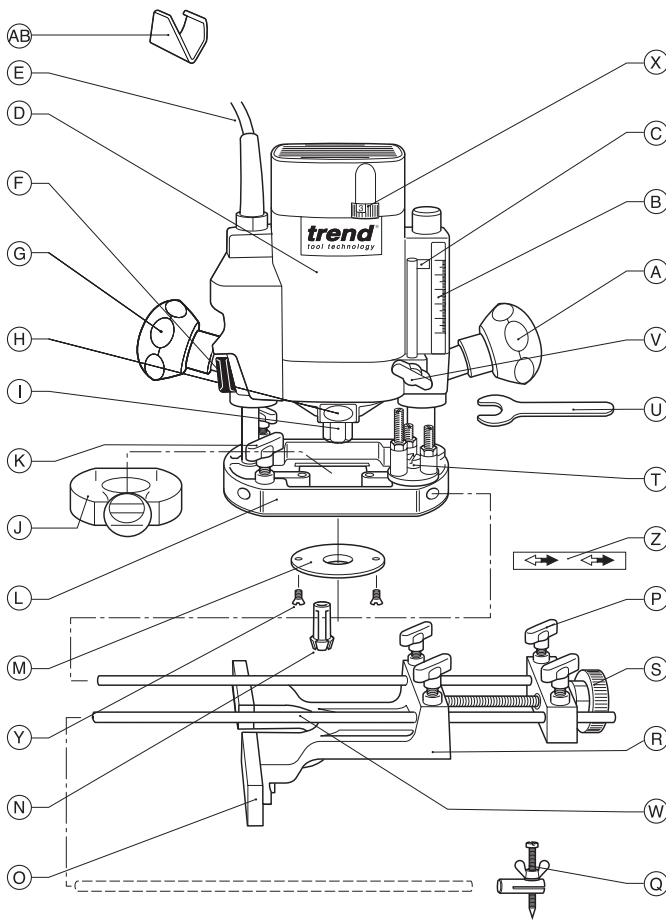
**DO NOT** let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

- **Young children and the infirm.** This appliance is not intended for use by young children or infirm persons without supervision.
- This product is not intended for use by persons (including children) suffering from diminished physical, sensory or mental abilities; lack of experience, knowledge or skills unless they are supervised by a person responsible for their safety. Children should never be left alone with this product.

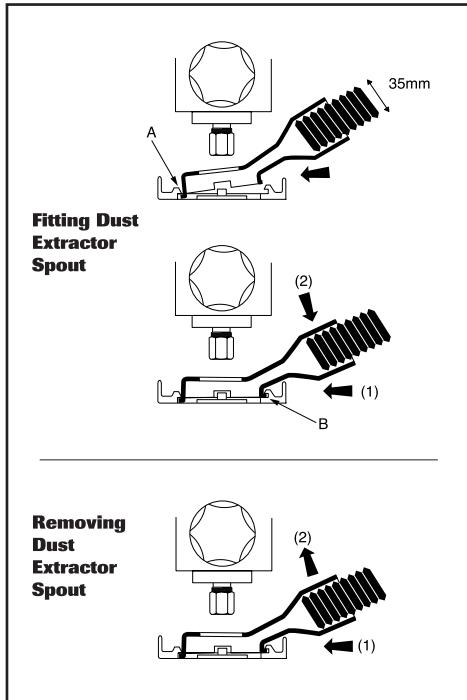


**DESCRIPTION OF PARTS**

- (A) Plunge locking grip knob
- (B) Depth of cut scale
- (C) Depth stop
- (D) Motor housing
- (E) Power cable
- (F) On/Off trigger
- (G) Fixed Grip knob
- (H) Spindle lock
- (I) Collet nut
- (J) Dust spout 35mm dia.
- (K) Thumb knob with anti-vibration spring to secure fence rods
- (L) Router base
- (M) Template guide bush dia. 20mm
- (N) Collet
- (O) Adjustable fence cheek
- (P) Thumb knob with anti-vibration spring for side-fence rod
- (Q) Beam trammel attachment
- (R) Side-fence
- (S) Knob for micro-adjustment
- (T) 3-way turret stop
- (U) Spanner (17mm A/F)
- (V) Thumb knob with anti-vibration spring for depth stop
- (W) Fence rods dia. 8mm x 300mm
- (X) Variable speed control dial
- (Y) Template guide bush fixing screw
- (Z) Grip knob direction arrow sticker
- (AB) Trigger lock



**ASSEMBLY & ADJUSTMENT**



**Fitting and Removing the Dust Extractor Spout**

- Insert the extractor spout in channel 'A' of the routing base.

The extractor spout is suitable for dust extractors with a hose diameter of 35mm. The spout can be installed from either side. To ensure maximum plunge it is recommended to fit spout to back of machine.

- Press the extractor spout down and forward until it latches into channel 'B'.

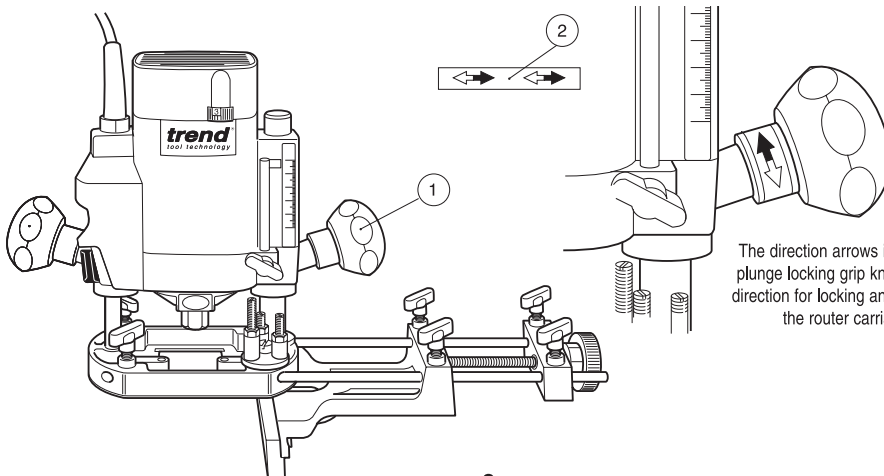
Dismantle in reverse order.



**Whenever possible use the dust extraction spout with a suitable extractor when routing.**

**Fitting the plunge grip knob direction arrow sticker**

- Remove direction arrow (2) from backing paper and apply to plunge locking grip knob (1).
- Orientate label so that solid arrow head points away from the front of the router.
- Wrap arrow around grip knob neck, ensure it is correctly positioned and firmly stuck down.



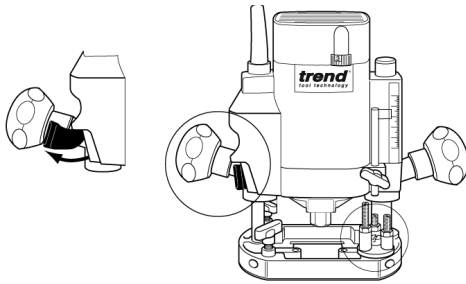
The direction arrows identify the plunge locking grip knob and the direction for locking and unlocking the router carriage.

### Switching On & Off

The router is fitted with an easy reach On/Off trigger.

Included with the machine is the Ref. T5MK2/LOCK which allows the On/Off trigger to be locked in the on position when the router is fixed to a stand or table and used in conjunction with a No-Volt Release Switch.

- Pull trigger towards knob to turn router on. To switch off router release trigger.
- The router has a soft start feature when switched on and will take 2-3 seconds to reach full running speed.



### Fitting the Ref. T5MK2/LOCK

- Remove plug from the No-Volt Release Switch.
- Pull trigger towards knob and clip lock over the knob base ensuring the front of the lock is holding the trigger.
- To remove simply pull off lock.



**The T5MK2/LOCK must not be used without a No-Volt Release Switch.**

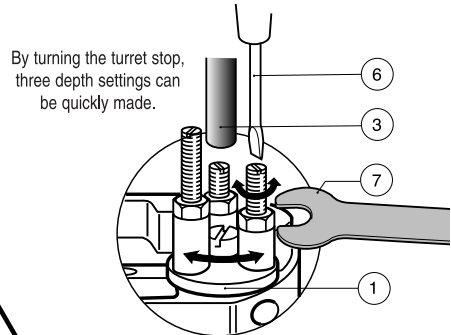
**The T5MK2/LOCK must only be used when router is fixed in a stand or table. Not to be used in handheld mode.**

### Adjusting the Depth of Cut

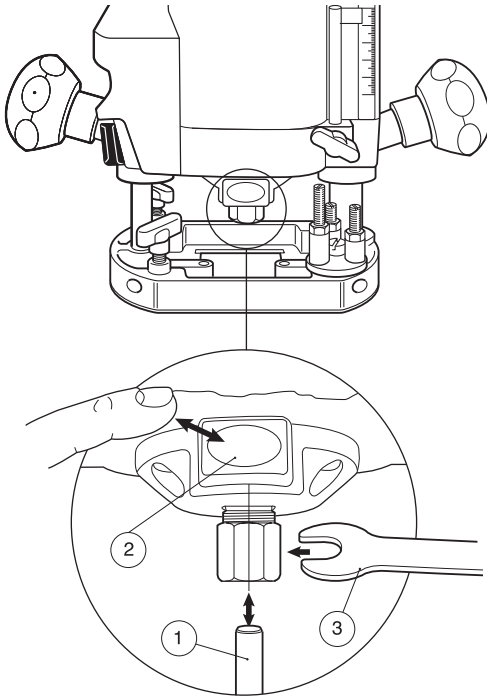
- Place the machine on the workpiece.
- Pre-set the 3-way turret stop (1) as required.
- Undo the thumb knob (2) for securing the depth stop (3).
- Undo the plunge locking grip knob (4).
- Lower the machine slowly until the cutter just touches the workpiece and secure it with the locking grip knob.
- Raise the depth stop in accordance with the scale (5) for the depth of cut required and clamp in place with the thumb knob (2).

*The gap between the depth stop and the turret stop screw determines the depth of cut.*

The rotating turret stop screws can be used for pre-setting up to three depths of cut. Their height can be adjusted using a screwdriver (6) and an 8mm A/F spanner (7).



- **Make sure the machine is switched off before connecting it to the power supply!**
- **Never make adjustments when the router is running or plugged in.**
- **Deep cuts should always be routed in several passes.**



**How to Fit and Remove a Router Cutter** 

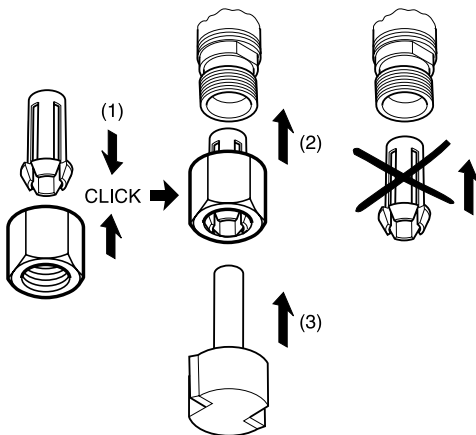
**Fitting Cutters**

- Insert at least  $\frac{3}{4}$  of the shank length of the cutter (1) into the collet.
- Press the spindle lock (2) forward until the router spindle is locked (you may need to turn the spindle slightly to engage it).
- Tighten the collet nut with the spanner (3). Do not use excessive force.

**Removing Cutters** 

- Undo the 17mm A/F collet nut with the spanner.
- Keep turning the spanner until the collet nut **tightens and then loosens again**. This is the fail-safe mechanism releasing the collet.
- The cutter should now slide out.
- Each time you finish using a cutter, remove it and store it in a safe place.

**Correct Sequence for Fitting Collet, Nut and Cutter**

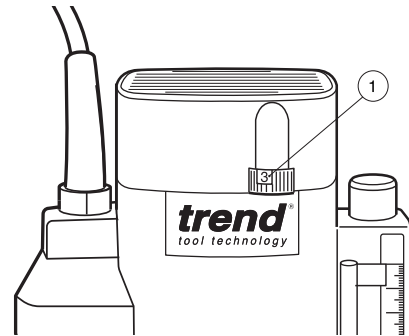


- **Do not tighten the collet without a cutter fitted.**
- **Always use cutters with shanks which match the diameter of the collet.**
- **Do not use cutters larger than 40mm unless the router is fitted in a router table.**

### Setting the Electronic Speed Control Dial

The speed is infinitely variable from 9,000 to 27,000 rpm using the electronic speed control dial (1) for uniform cutting results in all types of wood, plastics and in aluminium.

- Turn the electronic speed control dial to the required level. The dial is numbered from 1 to 5 and corresponds to router speeds from 9,000 rpm to 27,000 rpm.
- Generally, use the lower settings for large diameter cutters and the higher settings for small diameter cutters. The correct setting will also depend on the density of the material, depth of cut and feed speed of the router, as severe loss of rpm denotes motor overload. In most cases the slowest speed required for large cutters with smaller shank sizes is Dial No 3-4.



Dial No.	Router Speed
1	9,000 rpm
2	13,000 rpm
3	18,000 rpm
4	23,500 rpm
5	27,000 rpm

### Fitting the Fine Height Adjuster Optional Accessory Ref. FHA/001

The optional fine height adjuster should be used when fine adjustment is required. This is especially recommended when using our dovetail jig or router table.

- Remove the depth stop and replace it with the fine height adjuster.
- Leave the plunge locking grip knob and the thumb knob loose and thread the end of the fine height adjuster onto the longest screw.
- Set the depth of cut by turning the fine height adjuster handle until the correct height is reached. Then lock the carriage clockwise with the plunge locking grip knob.

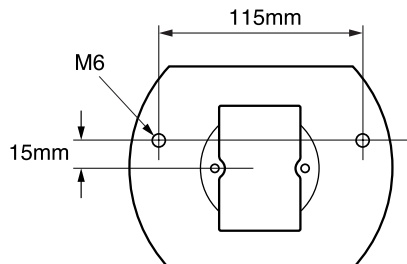


**Remember to always unlock the carriage by turning the plunge locking grip knob anti-clockwise when adjusting the height with the fine adjuster.**

### Fixing Points for Accessories

The router has two threaded holes M6 in its base that allow fitting of accessories and also fitting to router tables.

A whole range of accessories are shown in the Trend Routing Catalogue.



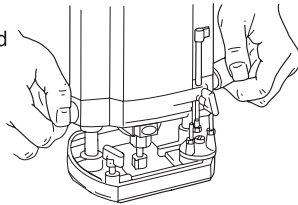


**OPERATION**

**!** To reduce the risk of serious personal injury, always use proper hand position as shown.

**!** To reduce the risk of serious personal injury, always hold securely in anticipation of a sudden reaction.

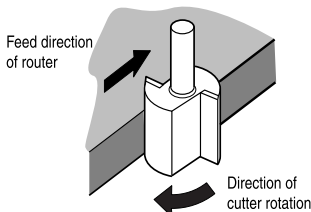
Proper hand grip requires one hand on each grip as shown.



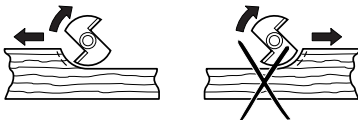
**Cutting Direction**



The direction of routing must always be opposite to the cutter's direction of rotation, otherwise there is a risk of kick-back.



**Feed Direction**

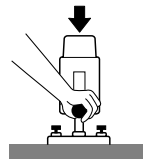


When routing along an edge, the direction of the router travel should be against that of the rotation of the cutter. This will create the correct cutting action and prevent the cutter 'snatching'. It will also pull the router towards the workpiece and hence the side-fence or guide bearing will be less likely to wander from the edge of the workpiece.

**Feed Speed**

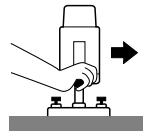
The speed at which the cutter is fed into the wood must not be too fast that the motor slows down, or too slow that the cutter leaves burn marks on the face of the wood. Practice judging the speed by listening to the sound of the motor when routing.

**Sequence of plunging**



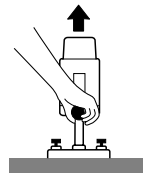
**Step One**

Plunge down and lock the motor carriage, with the plunge locking lever.



**Step Two**

Carry out the routing operation.

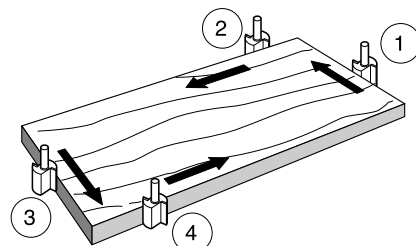


**Step Three**

Release the plunge locking lever and the motor carriage returns to the normal position.

**Moulding Natural Timbers**

When edge moulding natural timbers, always mould the end grain first, followed by the long grain. This ensures that if there is 'breakout', this will be removed when the long grain is routed.

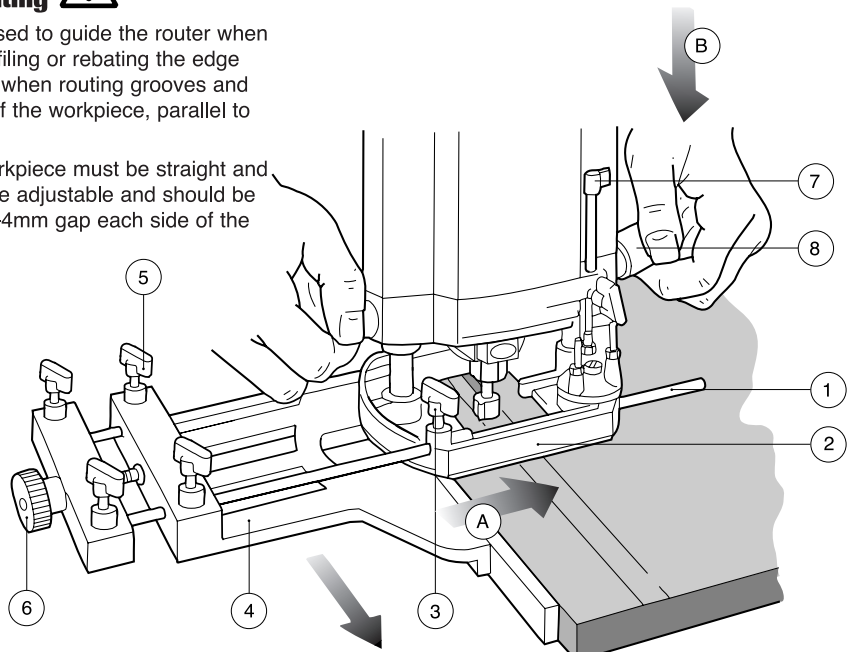


## Side-Fence Routing



The side-fence is used to guide the router when moulding, edge profiling or rebating the edge of the workpiece or when routing grooves and slots in the centre of the workpiece, parallel to the edge.

The edge of the workpiece must be straight and true. The cheeks are adjustable and should be set ideally with a 3–4mm gap each side of the cutter.

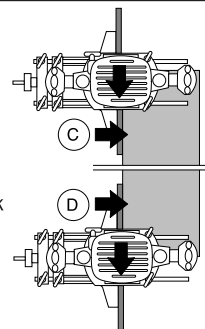


### Fitting and using the Side-Fence

- Make sure the thumb knobs (3) are fully released. Slide the guide rods (1) into the routing base (2) and tighten the thumb knobs (3).
- Adjust the side-fence (4) to the required distance and clamp in place with the thumb knobs (5).
- Then lower the cutter until the cutter is just above the workpiece.
- Fine adjustments are possible by slackening the thumb knobs (5), adjusting the micro-adjustment knob (6) and securing it again with the thumb knobs (5). One revolution of the micro-adjustment knob (6) equals 1.25mm of side-feed.
- Lower the cutter onto the workpiece and set the cutter height by raising the depth stop (7) the required distance.
- Switch on the router and when the cutter reaches full speed, gently lower the cutter into the workpiece and lock the plunge.

- Feed along the timber, keeping sideways pressure (A) to ensure the side-fence does not wander away from the workpiece edge and downward pressure on the inside hand (B) to prevent the router from tipping.
- When finished, raise the router, secure with the plunge locking grip knob (8) and switch off.

When starting the cut, keep the pressure on the front cheek (C) until the back cheek contacts the workpiece edge.



At the end of the cut, keep pressure on the back cheek (D) until the cut is finished. This will prevent the router cutter swinging in at the end of the workpiece and 'nipping' the corner.

**Using the Guide Bush**

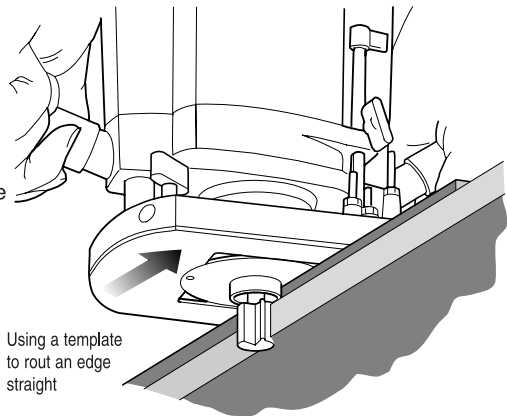
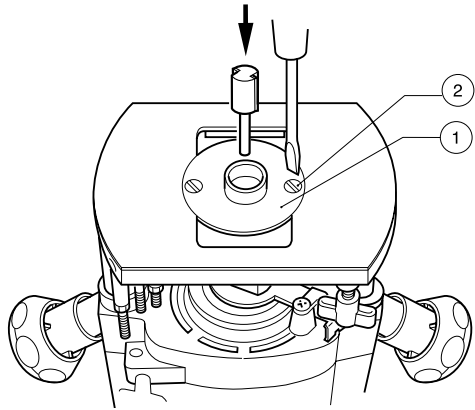
The 20mm guide bush (1) is fastened to the router's base from beneath using the two M5 countersunk machine screws (2) supplied.

**Routing with a Template** 

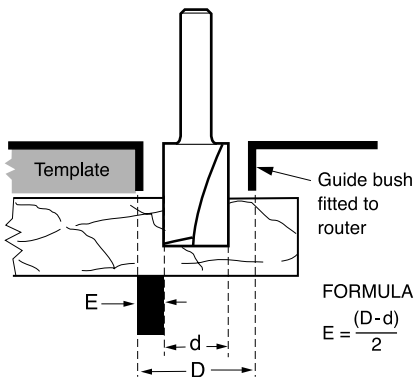
The guide bush is used in conjunction with a template when the routing operation is repetitive or the workpiece is complex in shape. The template is fixed to the upper surface of the workpiece. A cutter is chosen with a diameter which will pass through the centre of the bush leaving enough clearance. The cutter can be straight or shaped. The router can then be guided around the template so that the shape of the template will be replicated.

**Making the Template** 

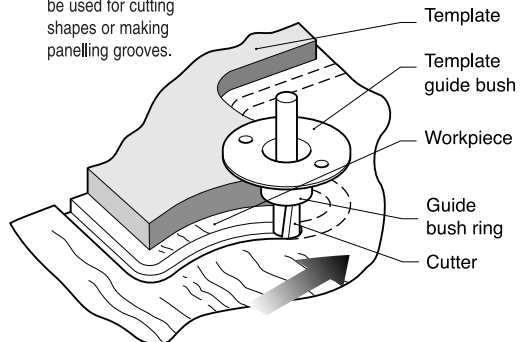
The template is cut from 6mm or 1/4" MDF, plywood or plastic to the shape required. The guide bush offset needs to be allowed for when calculating the shape of the template. The template must be smaller by an amount equal to the difference between the 'outer edge of the guide ring' and the 'outer edge of the cutter'. See below for the offset calculation. The edge of the template must be free of imperfections as these will be replicated in the final workpiece.



**Calculations for template offset**

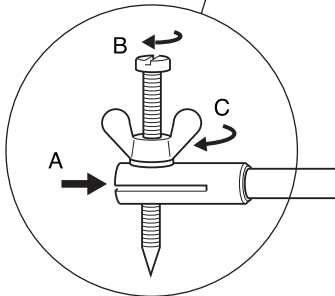
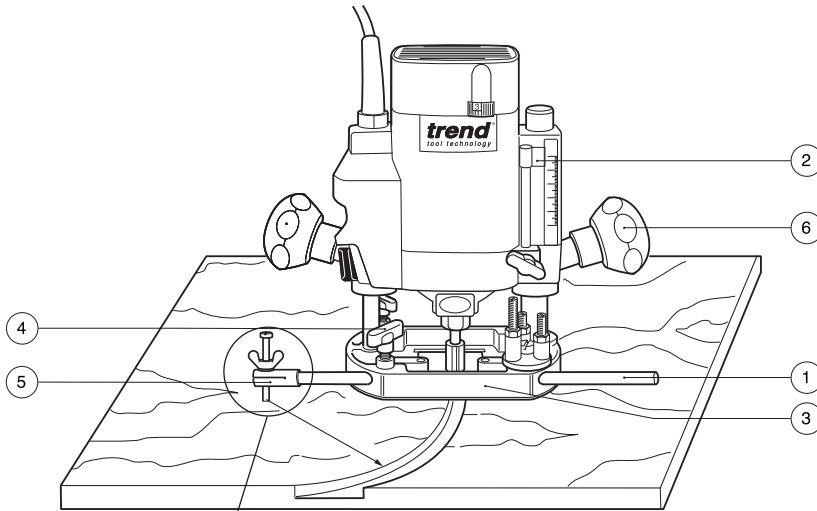


Alternatively it can be used for cutting shapes or making panelling grooves.





**Beam Trammel Routing** 



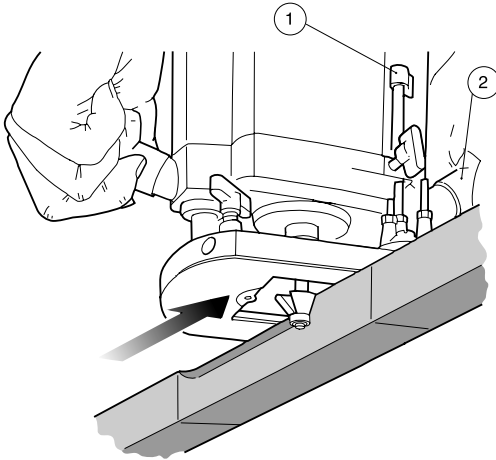
**Fitting the beam trammel attachment**

- Fit the beam trammel attachment (A) to the end of one rod and tighten wing nut (C) securely.
- Height adjustment of the pivot point can be achieved by loosening wing nut (C) and rotating screw (B).
- Once set to the correct height, lock securely wing nut (C).

**Cutting Arcs with the Router** 

- Place the machine on the workpiece.
- Set the cutting depth using the depth stop (2).
- Fasten the fence rod (1) in the routing base (3) with the thumb knob (4).
- Fit on the beam trammel point (5) as shown.
- Measure the radius and fix the point of the beam trammel in position.
- Switch on the machine.
- After releasing the plunge locking knob (6), lower the machine slowly as far as the depth stop and lock it there.
- Cut grooves, rebates etc. at a steady rate of feed, in an anti-clockwise direction. Ensure the beam trammel point does not move.
- When finished, release locking knob to raise the machine.
- Switch off the machine.

**Bearing Guided Cutters**



- Fit the bearing guided cutter into the router collet.
- Place router onto the workpiece.
- Set height of cutter using the depth stop (1).
- Switch on the machine.
- After releasing the plunge locking grip knob (2), lower the machine slowly as far as the depth stop.
- With bearing of cutter running along board edge, mould the edge of the workpiece by moving the router in the direction shown.
- A continuous motion should be used to prevent burning of the workpiece. When possible, take a number of passes at increased cutter depths. A light final pass will produce a good finish.
- When complete, retract the carriage by releasing the locking grip knob.
- Switch off the router.

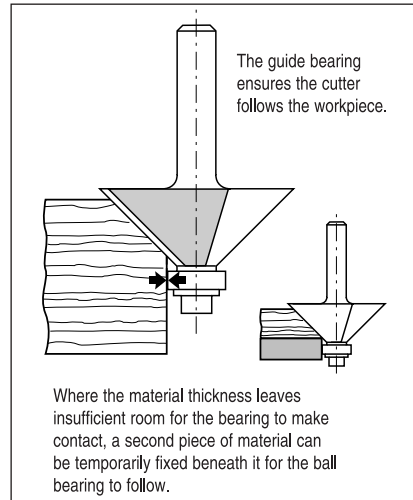
**Ball Bearing Guided Cutters**



Edge profiling and shaping cutters are available with a bearing fitted to the end. This enables shaped or straight workpieces to be routed without the need for a guiding device such as a side-fence or batten.

The edge must be free from imperfections as these will be reflected in the finish of the mould. Often alternative diameters of bearings are offered which will change the shape of the resulting mould.

With certain shapes such as the chamfer cutter below, increasing the depth of cut will produce a larger chamfered edge.

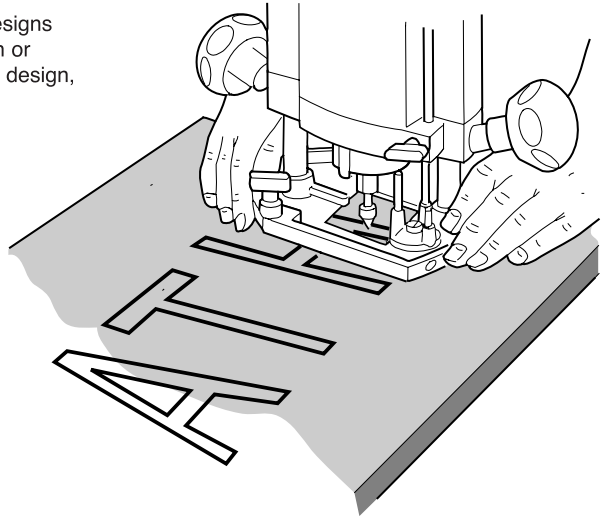
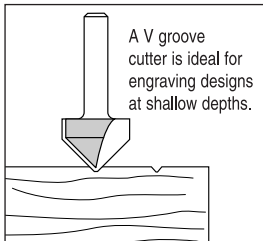


**Keep downward pressure with the inside hand to prevent the router from tipping.**

### Freehand Routing with the Router

The T5 can also be used for signwriting or creative freehand work without any form of guide.

With practice, numbers or name plate designs can be routed freehand. Draw the design or motif on the workpiece and then rout the design, taking shallow passes.



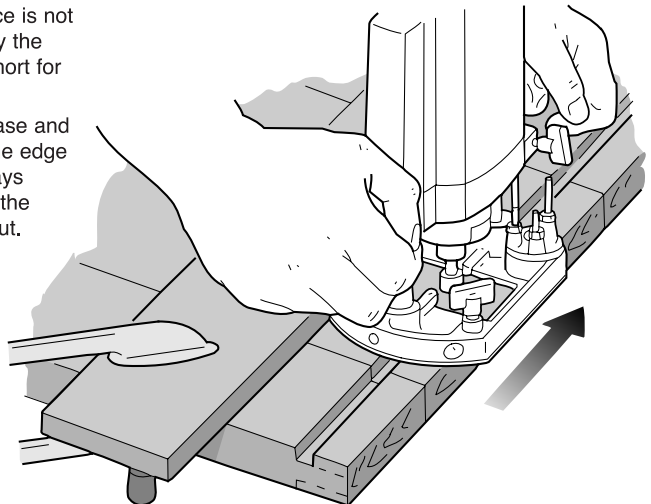
### Batten Routing

Where a side-fence cannot be used, it is also possible to guide the router along a batten clamped across the workpiece (with an overhang at both ends).

Guidance from a batten is similar to that obtained from a side-fence. This method is appropriate if the edge of the workpiece is not straight or is not very smooth or simply the guide rods of the side-fence are too short for the job.

Use the straight edges of the router base and calculate the distance required from the edge of the batten to the cut required. Always check that the clamps do not obstruct the path of the router before starting the cut.

Standard technique is used, and side pressure applied to ensure the router does not wander from the batten.



Please use only Trend original accessories.

## MAINTENANCE

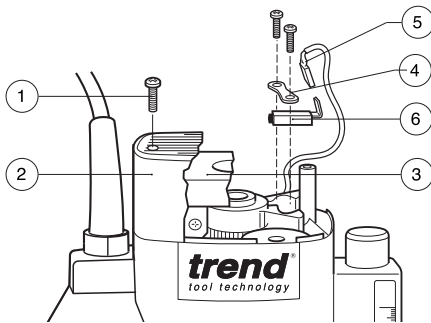
### Cleaning

- Keep the machine clean at all times. Some maintenance products and solvents may damage the plastic parts, these include products containing Benzene, Trichloroethylene Chloride and Ammonia.

### Changing Brushes



**Ensure machine is isolated from power supply.**



**It is advisable to have the brushes replaced by an authorised Trend Service Agent. The router will also be given a thorough inspection.**

- Undo the single screw (1) in the top of the vent housing. Slide the vent housing (2) off.
- Pull back the spring retaining clip (4). Take care not to bend or distort the coil spring.
- Disconnect the wire (5) and remove the carbon brush (6).
- Insert the new brush and press the connector firmly on to the tag (3). Refit the cover.
- Always use original T5 spare parts.

### Lubrication

- The bearings of the machine need no lubrication, as they are sealed. The two plunge columns on the routing base should be slightly oiled from time to time.
- Keep the cooling vents on the motor housing clean and unobstructed at all times. Blow out any dust and dirt at regular intervals.
- Visually check the carbon brushes. In the event of excessive sparking, they may need changing.
- After about 40 operating hours inspection by a authorised Trend service agent is recommended.

### Storage

- After use return the tool to its box.

## ENVIRONMENTAL PROTECTION

**Recycle raw materials instead of disposing as waste.**

Accessories and packaging should be sorted for environmental-friendly recycling.



Separate collection.  
This product must not be disposed of with normal household waste.

### Household User

Local regulations may provide for separate collection of electrical products from the household, at municipal waste sites or by retailer when you purchase a new product.

Please call Trend Customer Services for advice as to how to dispose of unwanted Trend electrical products in an environmentally safe way or visit [www.trend-uk.com](http://www.trend-uk.com)

### Business Users

Please call Trend Customer Services for disposal of unwanted Trend electrical products.

## GUARANTEE

The unit carries a manufacturers guarantee, please see our website for details.

For the location of your nearest Trend Service Agent, please call Trend Customer Services or see our stockist locator at [www.trend-uk.com](http://www.trend-uk.com)

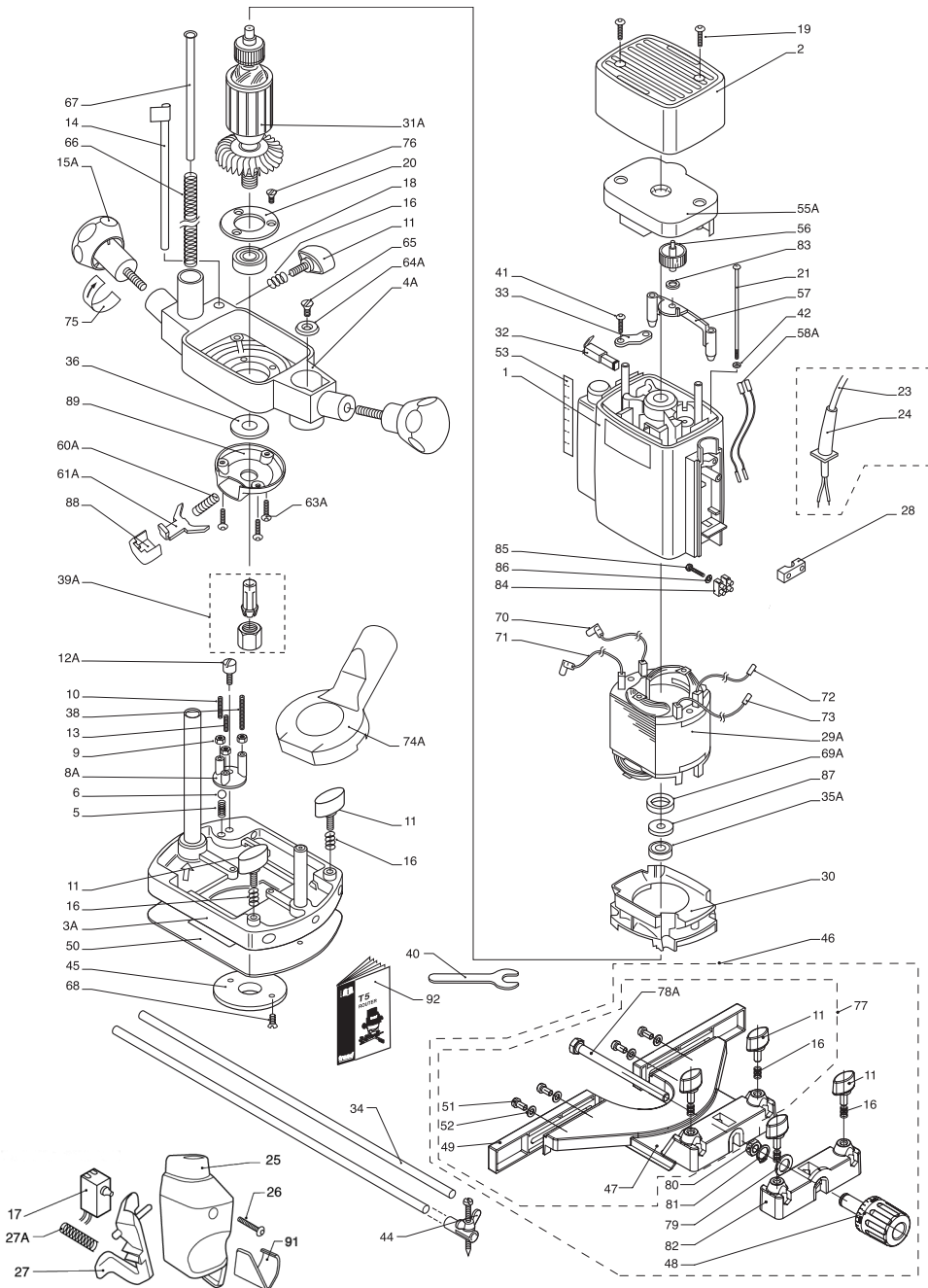
Please use only Trend original spare parts.

<b>T5 MK2 v2 - SPARE PARTS LIST</b>			<b>v1.0 03/2022</b>
<b>No.</b>	<b>Qty.</b>	<b>Desc.</b>	<b>Ref.</b>
1	1	Stator Housing	WP-T5/001
2	1	Top Vent Housing	WP-T5E/002
3A	1	Base Complete V2	WP-T5/003A
4A	1	Lower Bearing Housing V2	WP-T5/004A
5	1	Spring for Revolving Guide	WP-T5/005
6	1	Ball for Revolving Guide	WP-T5/006
8A	1	Revolving Guide V2	WP-T5/008A
9	3	Nut Hex M5	WP-NUT/05
10	1	Threaded Pin M5 x 15mm Revolving Guide Cheese Head	WP-T5/010
11	7	Thumb Knob M6 Male x 12mm	WP-T5/011
12A	1	Revolving Guide Stepped Screw M6	WP-T5/012A
13	1	Threaded Pin M5 x 20mm Cheese Head	WP-T5/013
14	1	Depth Stop	WP-T5/014
15A	2	Grip Knob V2	WP-T5/015A
16	7	Spring 12mm for Thumb Knob	WP-T5/016
17	1	Switch	WP-T5E/017
18	1	Bottom Bearing 35mm x 17mm x 10mm 6003	WP-T5/018
19	2	Screw Self Tapping 4mm x 20mm Torx	WP-T5/019
20	1	Bearing Cover for Top Bearing	WP-T5/020
21	2	Machine Screw Cheese M4 x 89/45mm Pozi	WP-T5/021
23	1	2 Core Cable c/w Gland with Plug 240V UK	WP-T5/023A
24	1	Cable guard	WP-T5/024
25	1	Switch Cover T5MK2	WP-T5/2/025
26	1	Screw Self Tapping 3.5mm x 22mm Torx	WP-T5/026
26A	1	Screw Self Tapping 4mm x 25mm Torx	WP-T5/026A
27	1	Switch Lever	WP-T5E/2/027B
27A	1	Switch Lever Spring	WP-T5E/2/027A
28	1	Cable Clamp	WP-T5/028
29A	1	Field Complete 240V	WP-T5E/029A
30	1	Deflector	WP-T5/030
31A	1	Armature 240V with fan	WP-T5E/031A
32	1	Carbon & Holder 240V	WP-T5E/032
33	2	Brush Clamp	WP-T5/033
34	1	Guide Rods 8mm x 300mm (pair)	ROD/8x300
35A	1	Top Bearing 8mm x 22mm x 7mm 6082RSI V2	WP-T5/035A
36	1	Slotted Round Nut	WP-T5/036
37	1	Collet Nut <05/2005	CLT/NUT/T5
38	1	Threaded Pin M5 x 40mm Revolving Guide	WP-T5/038
39A	1	Collet & Nut Set 6.35mm >05/2005	CNS/T5/635
	0	Collet & Nut Set 8.0mm >05/2005	CNS/T5/8
40	1	Spanner 17mm A/F	SPAN/17
42	2	Locking Washer B4	WP-T5/042
44	1	Beam Trammel for 8mm Rod	BEAM/005
45	1	Guide Bush 20mm Diameter	GB20/B
46	0	Parallel Side Fence Complete with Micro Adjuster	WP-T5/046
47	1	Parallel Side Fence Casting >05/2005	WP-T5/047A
48	1	Micro Adjuster Knurled Knob >05/2005	WP-T5/048A
49	1	Side Fence Cheeks (set) >05/2005	WP-T5/049A

<b>T5 MK2 v2 - SPARE PARTS LIST</b>			<b>v1.0 03/2022</b>
<b>No.</b>	<b>Qty.</b>	<b>Desc.</b>	<b>Ref.</b>
50	1	Phenolic Base Plate Slider	WP-T5/050
51	4	Machine Screw Cheese M5 x 10mm Slot	WP-SCW/50
52	4	Washer 5.3mm x 10mm x 1mm	WP-T5/052
53	1	Scale	WP-T5/053
55A	1	Speed Control Circuit Board 240V	WP-T5E/055A
56	1	Speed Control Dial	WP-T5E/056
57	1	Insertion Socket	WP-T5/057
58A	1	Conductor Lead Switch to Speed Control V2 (Pair)	WP-T5/058A
60A	1	Spring for Spindle Lock V2	WP-T5/060A
61A	1	Spindle Lock Body V2	WP-T5/061A
62	1	Spindle Lock Plate	WP-T5/062
63A	1	Screw 4mm x 8mm Torx	WP-T5/063A
64A	1	Washer 20mm x 8mm x 2mm Csk for Column V2	WP-T5/064A
65	1	Machine Screw Csk M5 x 10mm Slot	WP-T5/065
66	1	Plunge Column Spring	WP-T5/066
67	1	Brass Ferrule for Spring	WP-T5/067
68	2	Machine Screw Countersunk M5 x 10mm Slot	WP-SCW/13
69A	1	Rubber Sleeve V2	WP-T5/069A
70	1	Lead Field to Speed Control (Red x 90mm)	WP-T5/070
71	1	Lead Field to Speed Control (Red x 120mm)	WP-T5/071
72	1	Lead Brush to Field (Blue x 90mm)	WP-T5/072
73	1	Lead Brush to Field (Blue x 130mm)	WP-T5/073
74A	1	Dust Extraction Spout V2	WP-T5/074A
75	1	Grip Knob Direction Arrow	WP-T5/075
76	3	Machine Screw Csk M4 x 10mm Pozi	WP-SCW/48
77	0	Side Fence Complete without Micro Adjuster	WP-T5/077
78A	1	Side Fence Stud M8 x 100mm >05/2005	WP-T5/078A
79	1	Side Fence Washer 24mm x 12mm x 1.6mm	WP-T5/079
80	1	Side Fence Half Nut Hex M8	WP-T5/080
81	1	Side Fence Circlip 12mm	WP-T5/081
82	1	Side Fence Micro Adjuster Casting	WP-T5/082
83	1	O Ring 6mm x 1.5 V2	WP-T5/083
84	1	Junction Block V2	WP-T5/084
85	2	Screw M3 x 8 Pan V2	WP-T5/085
86	2	Washer 3mm V2	WP-T5/086
87	1	Magnetic Disk V2	WP-T5E/087
88	1	Spindle Lock Button V2	WP-T5/088
89	1	Spindle Lock Housing V2	WP-T5/089
91	1	Trigger Lock	T5MK2/LOCK
92	1	Manual	MANU/T5/MK2

**T5 MK2 v2 - SPARE PARTS DIAGRAM**

**v1.0 03/2022**





**Trend Tool Technology Ltd.**

Watford, WD24 7TR, England  
Tel: 0044(0)1923 249911  
technical@trendm.co.uk  
www.trend-uk.com

**EU Importer:**

**Trend Tool Technology Ltd.**

3rd Floor, Kilmore House, Park Lane,  
Spencer Dock, Dublin 1, Ireland

© Trend Tool Technology Ltd. 2022.  
® All trademarks acknowledged E&OE



RECYCLABLE

MANU/T5/MK2 v1.0



© Copyright Trend 2022. No part of this publication may be reproduced, stored or transmitted in any form without prior permission. Our policy of continuous improvement means that specifications may change without notice. Trend Tool Technology Ltd. cannot be held liable for any material rendered unusable or any form of consequential loss. E&OE

® All registered trademarks acknowledged.