



Router Table Original Instructions

PT-1500RT



FOR YOUR SAFETY

Read this Instruction Manual carefully and completely. It contains the information you require to operate, maintain and safely enjoy your Pingtek machine. If you are uncertain about any aspect of using this machine please access our UK Technical/ Service Helpline:

Tel: 01484 443541

Email: Technical@pingtektpowertools.co.uk

Web: www.pingtektpowertools.co.uk

IMPORTANT INFORMATION

Thank you for your purchase of a Pingtek Machine. All Pingtek machines are built to a high standard, and are subjected to a rigorous quality control process. We are confident that subject to the operator following the recommendations, operating and maintenance procedures outlined in this Instruction Manual, this machine will give many years of reliable service. **Save these Instructions for future reference.** Pingtek Power Tools Ltd reserves the right to make improvements and modifications to the design of its power tools without prior notice.

THE PINGTEK GUARANTEE UK MAINLAND ONLY

This product is guaranteed against defects in material or workmanship for a period of 1 year from the date of initial purchase. Pingtek will at its discretion repair or replace

(if repair is unavailable) any machine that is found to be defective within the guarantee period (initial purchaser only).

This guarantee does not cover the blades, cutters, batteries, filters etc which are expendable component that can wear out from normal use within the guarantee period.

This guarantee is void if this product is used to provide commercial services, or if hired to another person. The guarantee will also be void if the machine has been used beyond the recommendations found in this Instruction Manual, or if the machine has been damaged by accident, neglect or improper service.

For any questions relating to this guarantee or for enquiries regarding replacement parts for this machine, please phone the Service Helpline. Proof of purchase will be required.

Machines bought and/or used outside the UK mainland may be subject to additions to, or exclusions from, the above guarantee. Consult your retailer for additional information regarding any local variation from the normal Pingtek guarantee.

This guarantee is in addition to, and does not affect your statutory rights.

This Instruction Manual was originally written in English.

THIS PRODUCT CAN BE USED FOR:

This product is a Router Table. Only use

accessories and/or replacement parts designed for use in this machine or those recommended specifically by **Pingtek Power Tools Ltd.**

When fitted with the correct collet and relevant router bit this Router Table can be used for producing grooves, mouldings, rebates, flat surfaces etc.

Most solid softwoods.

Many solid hardwoods.

Many 'man-made' materials such as MDF, Plywood, Chipboard etc

THIS PRODUCT MUST NOT BE USED FOR:

This machine must not be used for machining any asbestos or asbestos related material

WARNING: This product is a Router Table and must only be used as such. It must not be modified in any way, or used to power any other equipment or drive any other accessories other than those mentioned in this Instruction Manual.

WARNING: This machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the safe use of the machine by a person responsible for their safety and who is

competent in its safe use.

Children should be supervised to ensure that they do not have access to, and are not allowed to play with, this machine.

ELECTRICAL SAFETY – THE MAINS PLUG

This machine is fitted with the correct moulded plug and mains lead for the designated market. If the mains lead or the plug are damaged in any way, they must be replaced with original replacement parts by a competent technician.

USING OUTDOORS

WARNING: For your protection if this tool is to be used outdoors it should not be exposed to rain, or used in damp locations. Do not place the tool on damp surfaces. Use a clean, dry workbench if available. For added protection use a residual current device (R.C.D.) that will interrupt the supply if the leakage current to earth exceeds 30Ma for 30ms. Always check the operation of the residual current device (R.C.D.) before using the machine.

If an extension cable is required it must be a suitable type for use outdoors and so labelled. The manufacturers instructions should be followed when using an extension cable.

HEALTH ADVICE

WARNING: When using this machine, dust particles may be produced. In some instances this dust can be particularly harmful. If you suspect that paint on the surface of material you wish to cut contains lead, seek professional advice. Lead based paints should only be removed by a professional and you should not attempt to remove it yourself. Once the dust has been deposited on surfaces, hand to mouth contact can result in the ingestion of lead. Exposure to even low levels of lead can cause irreversible brain and nervous system damage. The young and unborn children are particularly vulnerable. You are advised to consider the risks associated with the materials you are working with and to reduce the risk of exposure. We recommend the use of an approved face mask with replaceable filters when using this machine.

You should always:

- Work in a well-ventilated area.
- Work with approved safety equipment, such as dust masks that are specially designed to filter microscopic particles.

WARNING: the operation of any power tool can result in foreign objects being thrown towards your eyes, which could result in injury to the eyes. When using this machine always wear safety goggles or safety glasses with side shields or even a full face shield where necessary.

LABELS & SYMBOLS

Do not operate this machine if warning and/or instruction labels are missing or damaged. Contact Pingtek Power Tools for replacement labels.

All or some of the following International symbols and/or pictograms may appear in the manual or on the product.

Symbol	Description
V	Volts
A	Amperes
Hz	Hertz
Min-1	Speed
~	Alternating Current
No	No Load Speed
	Double insulation
	Wear Dust Mask
	Wear safety goggles
	Wear ear plug
	Read operator's instruction carefully
	Laser Warning Symbol
	In accordance with essential applicable safety standards of European directives
	General Warning

POWER TOOL GENERAL SAFETY INSTRUCTIONS

(These General Power Tool Safety Instructions are as specified in BS EN 60745-1:2009 & EN 61029-1:2009)

WARNING: Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/ or serious injury.

Save all warnings and instructions for future reference.

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

1)General Power Tool Safety Warnings [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, gasses or dust.** Power tools create sparks which may ignite the dust or fumes.
- c) **Keep children and bystanders away while operating power tool.** Distractions can cause you to lose control.

2)General Power Tool Safety Warnings [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 the 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 ed 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)General Power Tool Safety Warnings [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 masks, 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 the 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 key left attached to a rotating part of a 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, clothing and gloves 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 that these are connected and properly used.

Use of dust collection can reduce dust-related hazards.

4) General Power Tool Safety Warnings [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 a rate for which it was designed.

b) Do not use the power tool if the switch does not turn it on or off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c) Disconnect the power tool from the power source and/or battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventative 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. Check for misalignment or binding of moving parts, breakage of moving parts and any other condition that may affect the power tools 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.

5) General Power Tool Safety Warnings [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.

PACKAGING

Please retain the original packaging during the guarantee period of your machine. In the event of you having to return your Pingtek machine, it should be repackaged in its original packaging, so that damage to the machine during transit can be avoided. Pingtek is not liable for damage that occurs during transit. This will be the responsibility of the packers and/or couriers.

The original packaging is recyclable. Please dispose of the original packaging in an environmentally responsible manner.

PINGTEK MANUALS

At Pingtek Power Tools Ltd we constantly strive to provide our customers with Instruction Manuals which are informative, accurate and accessible. However our commitment to continuous product development and improvement may mean that very occasionally a manual may have omissions or slight inaccuracies. If you require any information about any aspect of your Pingtek machine, and cannot find it within the manual, please get in touch with our UK Technical/Service Helpline where extra advice and help will be gladly given.

Additional safety rules for your Router Table

(Based on the requirements of EN61029-2-9:2009)

● **Read this Instruction Manual thoroughly and save it for future reference.** Pass this manual on to any person who is going to operate this machine.

● **This machine must be securely fastened to suitable workbench or similar.** The machine is provided with four (4) mounting holes through which suitable bolts, screws etc can be used to fasten the machine into its service position. It is very important that this machine cannot move during routing operations.

● **Always deploy the Cutter Guard.** The

Cutter Guard provides protection from the rotating router bit. It will lift automatically as the work-piece slides underneath it, returning to lie on top of the table as the work-piece exits the machine.

●**Keep hands away from the cutting area.**

Do not reach underneath the table or into the cutting path with your hands or fingers at any time during routing operations.

●**Ensure that the plug is disconnected from the power supply before making any adjustments to the machine.** When changing a cutter, a table insert, or adjusting any of the guards etc the machine must be isolated from the main power supply.

●**Do not employ awkward, uncomfortable or difficult hand positions.** The operator must have full control of the work-piece at all times. Avoid the possibility of a slip, or relaxation of operator grip etc causing the hands or fingers to come close to the rotating cutter.

●**Remote work-piece supports should be used when machining long work-pieces.** Support long work-pieces on both the in-feed and out-feed sides of the machine. Remote work-piece supports should be adjusted so that any rollers or support surfaces are at the same height as the router table.

●**Inspect all work-pieces before commencing cutting operations.** Routers designed to cut wood and wood products

only, not for cutting or shaping metallic materials. All work-pieces should, therefore, be checked to ensure that they do not contain any nails, screws or other metallic contamination. Do not cut material that is warped, twisted or unstable (perhaps with shrinkage cracks etc) in any way.

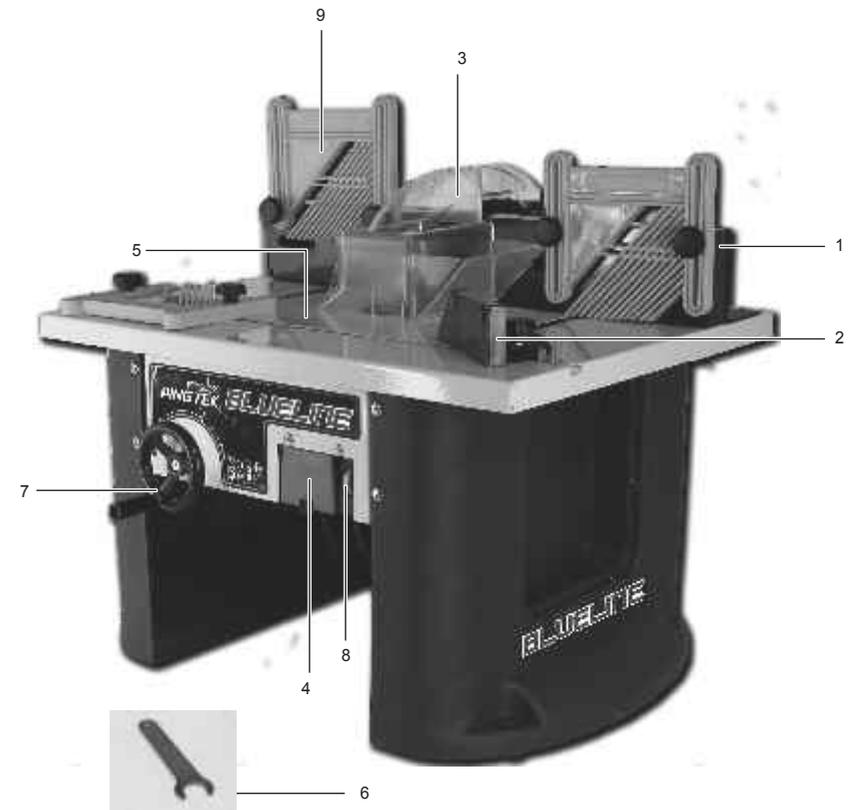
●**Only use sharp, undamaged router bits.** Handle bits with great care, and consider using safety gloves when handling bits during installation etc. Dull bits should not be used as undue force maybe required to push the work-piece through the machine, leading to an increased risk of bit breakage or material 'kickback'.

●**Ensure that the correct size(s) of table insert (throat plates) are selected to match the router bit fitted.** A selection of concentric interlocking table inserts are provided with this machine. When fitted correctly these provide a flat stable surface around the cutter and will prevent much of the waste material from falling down onto the motor below.

●**Never leave this machine running and unattended.** When routing operations have been completed, turn the machine off, and disconnect or isolate the machine from the power supply. Do not leave the machine until the motor has come to a complete halt.

Annotated Overall View of Pingtek Router Table

1. FENCE ASSEMBLY
2. MITRE GAUGE
3. CUTTER GUARD
4. ON/OFF SWITCH
5. TABLE INSERTS (Throat Plates)
6. COLLET CHUCK & SPANNER
7. RISE AND FALL HANDLE
8. SPEED CONTROL DIAL
9. FEATHER BOARD



TECHNICAL SPECIFICATION

MODEL NUMBER	PT1500RT
VOLTAGE/FREQUENCY	230V ~ 50 Hz
RATING	1500 W
NO LOAD SPEED	8000-26000 min ⁻¹
DIMENSIONS	
Table Dimensions	23-1/2" x 18" (600mm x 460mm)
Table height	14" (355mm)
Overall height	18" (455mm)
COLLET CAPACITY	
	Ø1/4" & Ø 1/2"
COLLET (Cutter) RISE AND FALL	
	0-40mm
RECOMMENDED MAX DUTY CYCLE	
	30mins
MACHINE WEIGHT	
	21.00 kgs
NOISE DATA	
A-weighted POWER LEVEL	LWA dB (A) KPA = 3 dB (A)
A-weighted PRESSURE LEVEL LEVEL	LPA dB (A) KWA = 3 dB (A)

- The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another.
- The vibration measurement was made under standard conditions in accordance with: BS EN 61029-1:2009
- The declared vibration total value may also be used in a preliminary assessment of exposure.

VIBRATION INFORMATION

WARNING: The vibration emission value during the actual use of this power tool can differ from the declared value because of the way in which the tool is used. The following examples give some indication as to why the vibration values may vary from the declared figure:

- How the machine is used and the material

being cut.

- That the machine being used is in good condition and well maintained.
- That any blade installed is designed for the machine, and that it is sharp and in good condition.
- The tightness of the operators grip on the handles, and if any anti-vibration accessories are used.
- That the tool is being used as intended by its design, and in accordance with these instructions.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed.

WARNING: To be accurate, an estimation of exposure level in the actual conditions of use should also take account of all parts of the operating cycle, such as the times when

the tool is switched off and when it is running idle but not actually doing the job. This may significantly reduce the exposure level over the total working period.

To minimise your vibration exposure risk.

- Only use sharp blades.
- Maintain this tool in accordance with these instructions and keep it well lubricated (where appropriate).
- If the tool is to be used regularly then invest in anti-vibration accessories.
- Avoid using tools in temperatures of 10°C or less.
- Plan your work schedule to spread any high vibration tool use across a number of days.

ASSEMBLING YOUR PINGTEK MACHINE

Your Pingtek Machine needs some minor adjustments/assembly before it can be used. Some minor checks and/or adjustments may be required to the factory settings, as these may have been dislodged

and altered during shipping. Assembling and/or adjusting your machine will enable you to become completely conversant with this machines many features, and help you to realise the full potential of this machine once you have commissioned it.

We recommend that you read this Instruction Manual thoroughly and completely as it contains the information you require to complete owner maintenance and adjustment procedures.

IN THE BOX

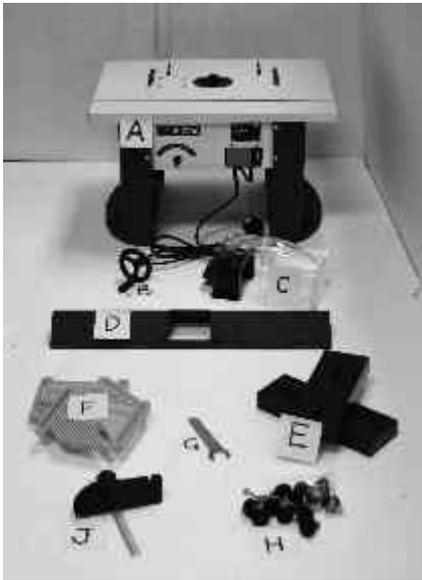
IITEM	No
Instruction Manual	1
Router Table with integral motor	1
Sliding Mitre Gauge	1
Metal Fence Assembly	1
Cheek Blocks (Metal Fence Assembly)	2
Rise/Fall Handle	1
Cutter Guard	1
Pressure Plates (Feather Boards)	3
Collet Chuck (1/4")	1
Collet Chuck (1/2")	1
Collet Spanner (Router Bit Change)	1
Assorted Fixings	1 set

ASSORTED FIXING SET	No
Black Adjustment/ Locking Knobs	12
Large Plain Washers (Fitted underneath the above)	12
Small Plain Washers (Cutter Guard)	2
Small Ø6mm machine screws (Cutter Guard to Metal Fence)	2
Self Locking Nuts (Cutter Guard to Metal Fence)	2
Ø6mm x 50mm Csk Hd machine screws (Cheek Blocks to Metal Fence)	4
Ø6mm x 70mm machine screws (Feather Boards to Fence Assembly)	4
Ø6mm x 30mm machine screws (Feather Boards to Table)	2
Square Pressure Plates (Feather Board to Table)	2
Small machine screw (Rise/Fall Hand-Wheel to R/F Spindle)	1

THE ASSEMBLY PROCESS

WARNING: Do not connect this machine to the mains supply until the assembly process has been completed and a safety inspection undertaken.

Note: The assembly process can be aided by studying the photograph of the machine on the front cover of this Instruction Manual. **Fig 1** shows the parts laid out in sets after being removed from the box



A. The Router Table Body with integral motor.

B. The Rise/Fall Handle.

C. Cutter Guard.

D. Metal Fence.

E. Fence Cheek Blocks x 2

F. Feather Boards x 3

G. Collet Spanner

H. Assorted Fixings

J. Mitre Gauge

STEP 1

FITTING THE RISE/FALL HANDWHEEL

Attach the Rise/Fall Hand-wheel to the Rise/Fall spindle which protrudes through the front apron of the main body (**Fig. 2**). Tighten the fixing screw using a cross head screwdriver (not supplied).



STEP 2

FITTING THE METAL FENCE

- Collect two (2) Ø6mm x 20mm dome headed screws with a square shank under the dome head.
- Collect two (2) plain Ø20mm washers.
- Collect two (2) black machine adjustment/locking Knobs.
- Select the Metal Fence.

Note: The Metal Fence is attached to the Router Table by two screws, washers and adjustment knobs. The screws should be inserted through the Table top, (one through each slot) from underneath. The

square shank under the dome head should locate neatly in the Table top slot, preventing the screw from turning.

WARNING: This machine is heavy. If the Router Table Body is tilted to provide easy access to the slots, enlist competent help to support the machine.

- Insert the two (2) dome headed screws through the two (2) slots in the Table top.
- Place the Metal Fence over the two protruding screws.
- Place a washer over each of the screws.
- Screw an adjustment knob onto each of the screws
- Tighten the adjustment knobs to fasten the Metal Fence securely to the Table top.

Note: The vertical face of the Metal Fence (the slotted face) should face towards the cutter position. (**Fig. 3**)



STEP 3

FITTING THE CUTTER GUARD

Note: The Cutter Guard incorporates a sawdust/chipping(s) extraction port. This port can be attached to a workshop dust

extraction machine. Using such a unit (**Pingtek PT 1500 RT**) will keep the workplace environment clean and enhance operator safety and comfort.

WARNING: This machine must only be used with a fully serviceable and undamaged Cutter Guard attached to the Metal Fence.

- Collect two (2) Ø6mm x 12mm Countersunk (Csk) head machine screws.
- Collect two (2) small plain washers.
- Collect two (2) Ø6mm self locking nuts.

Note: The Cutter Guard (**Fig. 4**) attaches to the central vertical portion of the Metal Fence with the two screws, washers and self locking nuts.



• Insert the Csk head screws through the two Csk Ø6mm holes in the vertical face of the Metal Fence, allowing the heads to lie 'flush' with the fence surface.

- Position the Cutter Guard into its service position with the Ø6mm screws running through the plastic housing.
- Place a washer on both of the protruding

screws.

- Screw a self locking nut onto each screw.
- Tighten the two (2) nuts securely.

Note: Use a cross-head screw driver engaged in the Csk Head, to prevent the screw from turning, as the self locking nut is tightened using a small spanner (not supplied).

STEP 4

FITTING FENCE CHEEK BLOCKS (Fig.5)

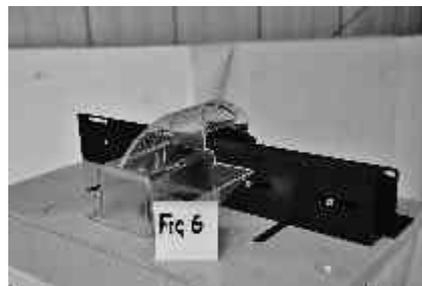


- Collect four (4) Ø6mm x 50mm Csk head machine screws.
- Collect four (4) large plain washers.
- Collect four (4) black machine adjustment/locking knobs.

Note: One (1) Cheek Block should be positioned to the Right Hand (RH) side of the Metal Fence, and the other to the Left Hand (LH) side of the Metal Fence. Both Cheek Blocks are identical; they are not 'handed'.

- Insert a Ø6mm Csk Head machine screw through each of the two (2) slots running along the middle of a Cheek Block. The heads of the machine screws should lie 'flush' to the plain surface of the cheek in each of the specially shaped slots.
- Offer a Cheek Block up to the Metal Fence ensuring that the Ø6mm machine screws engage with and protrude through the two (2) Ø6mm holes found in the middle of each side of the Metal Fence.

Note: The plain face of the Cheek Block faces towards the cutter (Fig. 6) the ribbed hollow side of the Cheek Block faces towards the Metal Fence.



- Place a large washer over the protruding machine screw(s).
- Screw a black adjustment/locking knob

onto each machine screw.

- Tighten the adjustment/locking knobs.

Repeat the procedure for the other Cheek Block. (Fig. 7)



STEP 5

FITTING THE FEATHER BOARDS

Note: Three (3) Feather Boards are supplied with this Pingtek machine. All three (3) are identical.

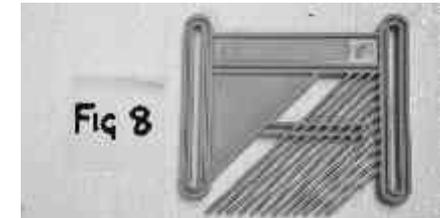
The purpose of a Feather Board is to provide gently downwards (fence mounted) or lateral pressure (table mounted) to the work-piece as it passes through the machine.

When correctly adjusted, Feather Boards can provide sufficient pressure to prevent the work-piece from 'chattering' as it passes through the machine. They also considerably reduce the possibility of work-piece 'kickback'.

FENCE MOUNTED BOARD(S)

- Collect two (2) Ø6mm x 70mm machine screws.
- Collect two (2) large plain washers.
- Collect two (2) black adjustment/locking knobs.

WARNING: The Feather Boards have a 'Direction of Feed' arrow moulded into the surface of the board. (Fig. 8) It is important that these are noticed, and that the boards are installed with reference to these arrows.



RIGHT HAND

- Insert a machine screw through each of the two (2) slots found running along the top edge of the metal fence.
- Align the Cheek Block so that the machine screw engages with and is pushed through the two (2) Ø6mm holes found along the top edge of the Cheek Block.
- Place the Feather Board into its service position with the protruding machine screws running through the two (2) long slots.
- Place a large plain washer and a adjustment/locking knob on each of the protruding machine screws. (Fig 9)
- Repeat the above process for the LH (Left Hand) Feather Board.

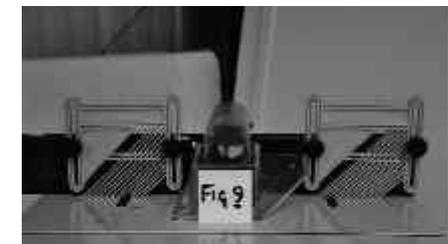


TABLE MOUNTED BOARD

- Collect two (2) Ø6mm x 30mm machine screws.
 - Collect two (2) square pressure plates with a central Ø6mm hole.
 - Collect two (2) large plain washers.
 - Collect two (2) adjustment/locking knobs.
- Note: An inverted 'T' slot runs the length of the machine table.
- Fit a pressure plate over each machine screw so that it rests directly under the head of the screw.
 - Slide each machine screw into the inverted 'T' slot in the machines table.

Note: Ensure that the square pressure plate is running in the 'T' slot.

- Place the Feather Board onto the table with the protruding machine screws engaging with, and running through, each of the long slots in the board.
- Place a large plain washer and a adjustment/locking knob on each of the protruding machine screws. **(Fig. 10)**



INSTALLING/REMOVING COLLETS

Note: This Pingtek machine is supplied with two (2) Collet type chucks.

WARNING: Only attempt this procedure with the machine disconnected from the mains power supply.

- Raise the motor assembly to its maximum height by turning the Raise/Fall hand-wheel clockwise.

Note: The Collet Nut must be visible and fully above the surface of the table. (Fig. 11)

- Lock the machines arbor (the motors main spindle) by reaching under the machine table and gently pulling the arbor lock slide mechanism towards you.

Note: The arbor lock slide is positioned towards the very top of the machines motor just underneath the table.

If necessary enlist competent help to tilt the machine, so that you can identify and locate the arbor lock slide. Most operators, when fully conversant with this machine, will be able to locate and operate the arbor lock slide by 'feel' alone.

- With the arbor 'locked' use the supplied spanner to undo and remove the Collet Nut.
- Replacement of the Collet type chuck is a simple matter of screwing a new Collet chuck into place whilst keeping the arbor 'locked.'
- Release the arbor lock.
- Check that the installation is safe and that the arbor lock slide has released the arbor by rotating the Collet Nut by hand.

INSTALLING/REMOVING ROUTER BIT

WARNING: Only attempt these procedures with the machine disconnected from the mains power supply.

WARNING: The operator should consider wearing protective gloves when handling any Router Bit.

- Raise the Raise the motor assembly to its maximum height by turning the Raise/Fall hand-wheel clockwise. **(see Fig. 11)**



- Lock the machines arbor.
- Use the supplied spanner to loosen the Collet Nut

Note: there is no need to remove the Collet Nut from the machine.

To fit a Router Cutter:

- Select the desired Router Bit.
- Insert the shaft of the Router Bit fully into the Collet chuck. **(Fig. 12)**



A

- Securely tighten the Collet Nut.
- Release the arbor lock.
- Check the installation by carefully rotating the Collet chuck and router bit by hand.

To Remove a Router Cutter

- Lock the arbor.
- Loosen the Collet Nut using the spanner supplied.
- Gently pull the bit up and out of the Collet chuck.
- Release the arbor lock.

TABLE INSERTS (Throat Plates)

The Table Insert(s) provide a stable surface around the cutter and prevents much of the cutting debris etc from falling through the table and onto the motor below.

The size and number of Table Insert(s) needed depends upon the size and shape of the cutter fitted. Normally the internal hole diameter of the Table Insert(s) fitted should be within approximately 6mm of the outermost edge of the fitted cutter.

WARNING: The machine must be disconnected from the mains power supply before attempting to change the Table Inserts.

SPEED CONTROL

Note: This machine is equipped with an electronic speed control. The 'no load' speed of the motors arbor and hence the speed of the cutter can be varied from approximately 8400 RPM to 27800 RPM.

The speed of the cutter can determine the surface finish of the work-piece, and can also affect the life of the cutter.

The Speed Control Dial (**Fig. 13**) is numbered 1 to 6. Number 1 is the slowest speed and number 6 is the fastest speed



Note: We recommend that a trial, using scrap material is undertaken to determine the optimum speed for the task at hand.

WARNING: Do not attempt to alter the speed while the motor is running. The speed must only be altered when the machine is switched off and the motor stationary.

A Sliding Mitre Gauge is supplied with this Pingtek Machine. The Mitre Gauge can be adjusted 60 degrees to the RH and to the LH sides from the normal 0 degree (central) position.

The Mitre Gauge slides in an inverted 'T' slot which runs the full length of the machines table. (**Fig. 14**)



GENERAL ADVICE & GUIDANCE ON ROUTING OPERATIONS

WARNING: The operator must be fully conversant with the machines controls, safety features and adjustments. This Instruction Manual should be read completely, and kept so that it is readily available for future reference.

WARNING: The machine must be disconnected from the main power supply during any 'setting up' operations or machine adjustments etc.

- Fit the correct Collet and the required Router Bit to the machine.

- Position the 'in-feed' side Fence Cheek Block and its associated Feather Board to best support the work-piece as it is 'fed' into the machine.

- Position the 'out-feed' side Fence Cheek Block and its associated Feather Board to best support the work-piece as it exits the machine.

- Position the Table mounted Feather Board on the 'out-feed' side of the table to best provide support for the work-piece as it exits the machine. (**Fig. 15**)



Note: The table mounted (horizontal) Feather Board will need to be removed from the machine if the task at hand involves the use of the Mitre Gauge.

Note: The Cheek Blocks on both sides of the Metal Fence should, normally be adjusted, so that the outermost edge of the fitted router bit comes to within 6-8mm of the nearest edge or face of the Cheek Block.

- When all adjustments have been completed, recheck the security of all of the locking knobs.

- Carry out a final safety check, including rotating the arbor by hand, before connecting the machine to the mains power supply.

THE ON/OFF SWITCH (Fig. 16)



Note: This Pingtek machine is fitted with a special Safety Switch. Lifting the red safety cover will reveal the ON/OFF switches.

Closing the red safety cover at any time will automatically switch the machine 'Off'.

The machine cannot be restarted until the red safety cover is again lifted and the switches revealed.

Note: Always allow the machine to reach the selected operational speed before commencing cutting operations.

PORTABLE OPERATIONS

WARNING: This machine must always be securely fastened to a suitable workbench or similar before cutting operations begin.

If you wish to transport this machine to various work sites, we suggest that the machine is securely fastened (using appropriate fixings) to a piece of worktop or a large thick (at least 18mm) piece of plywood or similar. This worktop should overlap the overall length and width of the machine by at least 100mm.

When arriving at a new work-site, the board on which the machine is fitted should be securely fastened to a work-bench using appropriate sized 'G' clamps or similar. The operator must always be aware of the position and routing of the mains power cable and ensure that it poses no 'trip' or any other form of hazard.

FEEDING THE WORK-PIECE THROUGH THE MACHINE

- Switch the machine 'ON' and allow the cutter to reach the selected operational speed.

- Never start or stop the machine with the cutter already engaged in the work-piece.
- Feed the work-piece gradually from right to left against the rotation of the cutter. Try to keep the feed rate constant.
- Feeding the work-piece too quickly could slow the motor imposing strain on the bearings etc.
- Feeding the work-piece too slowly may cause burning to the surface of the material.

Note: On very hard or dense timber work-pieces or where a profile is desired which necessitates the removal of a large amount of material, it may be necessary to make more than one (1) pass.

Several passes at progressive cutter height settings may be required until the desired depth of cut or profile is achieved.

When machining is completed switch the machine 'OFF' and close the red safety cover. Remove the mains plug from the supply socket.

Note: Attaching a Workshop Dust/Chipping Extraction machine is highly recommended; such a machine will enhance operator comfort, increase operator visibility of the machining process and thus aid safety.

Note: Pingtek **PT1100DE** Sawdust /Chipping Extraction machine will attach to this Router Table.

MAINTENANCE

- The main power cable should be checked regularly for any damage. If any damage is found the cable must be replaced with an identical replacement part by a competent technician.
- Check the security of all fixings and machine screws etc as they can, in some circumstances, and over time, vibrate loose.
- Check for damage to any parts of the machine, and replace any so found with replacement original parts.

CLEANING

After each use the machine should be cleaned. Remove all sawdust etc from the visible parts of the machine with a vacuum cleaner. A vacuum cleaner can also be connected to the machine dust extraction port at the rear of the machine. This should remove debris from the inside of the machine. Never use solvents to clean plastic parts, as solvents can damage them. Clean only with a soft damp cloth.

ENVIRONMENTAL PROTECTION

Be kind and considerate and look after the environment we all share. Waste electronic and/or electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with

your relevant Government Agency, Local Authority or retailer for up to date recycling advice.

IMPORTANT CUSTOMER

CONTACT DETAILS

This product has been carefully manufactured and subjected to the Pingtek's stringent Quality Control (QC) Process.

We realise, however, that problems may sometimes occur with any electrical machine or product.

If you have any problems, or if you have any enquiries regarding your machine or its operation, please contact:

Pingtek Power Tools Ltd
Unit 2b,
Skelmanthorpe Technology Park
Skelmanthorpe
Huddersfield
HD8 9GA

UK TECHNICAL/SERVICE

HELPLINE:

Tel: 01484 443541

Email: Technical@pingtekwertools.co.uk

Web: www.pingtekwertools.co.uk

DECLARATION OF COMPLIANCE

We: PINGTEK INDUSTRIAL CO. LTD

As the supplier of the item listed below declare that the product:

**Router Table PT 1500RT
230V – 1500W**

Has been manufactured in accordance with the following standards:

EN61029-1:2009
EN610129-2-1:2010
EN55014-/A1:2009
EN55014-2/A2:2008
EN61000-3-2/A2:2009
EN6000-3-11:2000

In accordance with the provisions of the following directives:

2006/41/EC: The Machinery Directive
2006/95/EC: Low Voltage Directive
2204/108/EEC: The EMC Directive



2012

Authorised by:


Richard Wu

Managing Director

01/08/2014