



Woodworking machinery at its best!

10" x 5" PLANER THICKNESSER OWNERS MANUAL

MODEL: PT250B



**Charnwood, Cedar Court, Walker Road, Hilltop Industrial Estate, Bardon,
Leicestershire, LE67 1TU**

Tel. 01530 516 926

email: sales@charnwood.net website: www.charnwood.net

GENERAL SAFETY RULES



WARNING: Do not attempt to operate the machine until you have read thoroughly and understood completely all instructions, rules, etc. contained in this manual. Failure to comply may result in accidents involving fire, electric shock, or serious personal injury. Keep this owner's manual and review frequently for continuous safe operation.

1. Know your machine. For your own safety, read the owner's manual carefully. Learn its application and limitations, as well as specific potential hazards pertinent to this machine.
2. Make sure all tools are properly earthed.
3. Keep guards in place and in working order. If a guard must be removed for maintenance or cleaning, make sure it is properly replaced before using the machine again.
4. Remove adjusting keys and spanners. Form a habit of checking to see that all keys and adjusting spanners are removed from the machine before switched it on.
5. Keep your work area clean. Cluttered areas and workbenches increase the chance of an accident.'
6. Do not use in dangerous environments. Do not use power tools in damp or wet locations or expose them to rain. Keep work areas well illuminated.
7. Keep children away. All visitors should be kept a safe distance from the work area.
8. Make workshop childproof. Use padlocks, master switches and remove starter keys.
9. Do not force the machine. It will do the job better and be safer at the rate for which it is designed.
10. Use the right tools. Do not force the machine or attachments to do a job for which they are not designed. Contact the manufacturer or distributor if there is any question about the machine's suitability for a particular task.
11. Wear proper apparel. Avoid loose clothing, gloves, ties, rings, bracelets, and jewellery which could get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.
12. Always use safety glasses. Normal spectacles only have impact resistant lenses. They are not safety glasses.

13. Do not over-reach. Keep proper footing and balance at all times.
14. Maintain the machine in good condition. Keep the machine clean for best and safest performance. Follow instructions for lubrication and changing accessories.
15. Disconnect the machine from power source before servicing and when changing the blade.
16. Never leave the machine running unattended. Turn the power off. Do not leave the machine until it comes to a complete stop.
17. Do not use any power tools while under the effects of drugs, alcohol or medication.
18. Always wear a face or dust mask if operation creates a lot of dust and/or chips. Always operate the tool in a well ventilated area and provide for proper dust removal. Use a suitable dust extractor.

ADDITIONAL RULES FOR PLANER/THICKNESSERS

1. This machine is designed for use with wood. Attempting to plane or thickness any other materials will result in damage to the machine, potential fire risk and/or health hazards.
2. The machine is designed for indoor use only.
3. Connection to a suitable dust extraction system is highly recommended. If you must use the machine on its own, you will need to stop it, unplug it from the mains and thoroughly clean it at regular intervals. Continuing to use the machine when it is clogged with shavings will result in damage to it, potential fire risk and/or health hazards.
4. The machine should be bolted to a bench or suitable stand.
5. Always hold the work firmly on to the table, using the push pads provided.
6. Never use the planer/thicknesser with the guard and/or dust hood removed.
7. If planing or thicknessing a long piece of timber, provide additional support at the same height as the table.
8. Switch the machine off and unplug it before removing any debris.
9. Be aware of the possibility of kickback.
10. Do not modify this machine in any way or use it or anything other than its designated purpose. Neither the manufacturer nor the suppliers will be liable for any damage or injury caused by incorrect assembly, operation or electrical connection of this machine.



Risk of Injury!
Never reach into
a running cutterblock



Eye
Protection



Ear
Protection

Charnwood PT250B Specification

Voltage and frequency	240V at 50hz.
Motor (Carbon brush)	1500w (2hp)
Planer width	252mm (10")
Maximum planing cut	2mm
Work Table	930 mm x 260 mm
Table height	360 mm
Fence tilt	90 to 135°
Max thicknessing cut	2mm
Thicknessing capacity	5 to 120mm
Feed speed	8 m/min
Number of blades	2
Cutter block rotation	8,500 rpm
Dimensions (WxDxH)	945mm x 470mm x 480mm
Weight	25kg
Rating	Hobby
Warranty	5 Year

Rating Description

Hobby: Suitable for Weekend DIY'ers and woodworking enthusiasts.

Generally lighter weight machines with lower power ratings and smaller tooling capacities. Typically only ever used by one person for short periods of time or longer periods of time infrequently. Machinery should be well maintained in a clean, dry environment such as a home workshop, garage or timber shed.

Expected maximum use of 100 hours annually.

Please Note: Using a product in excess of its rating will void the manufacturer's free warranty.

Unpacking



Open the top of the carton

Remove the top half of the polyfoam packaging.

Carefully unpack the contents and lift the machine onto a bench.



Lay out the parts and familiarise yourself with them.

Read the manual.

Please do not dispose of the packaging until you have fully assembled and tested the machine.

In the unlikely event there is a fault, you will need to re-use the packaging.

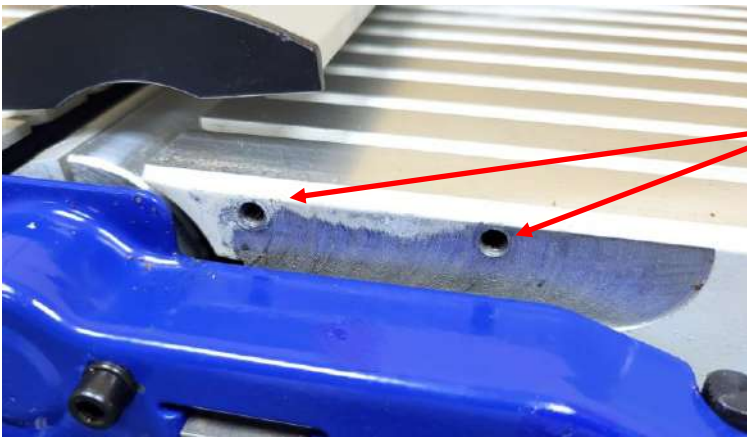


Remove the carriage brackets.

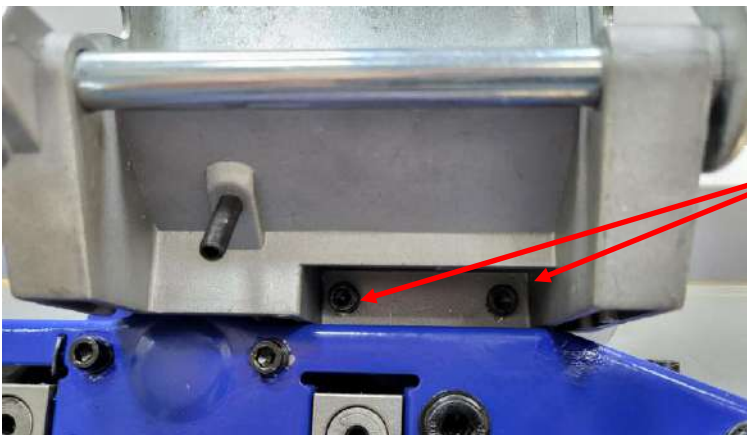
Assembly



Fit the height lock handle and lower the thickening bed to allow you to remove the fence.



Locate two tapped holes on the side edge of the table

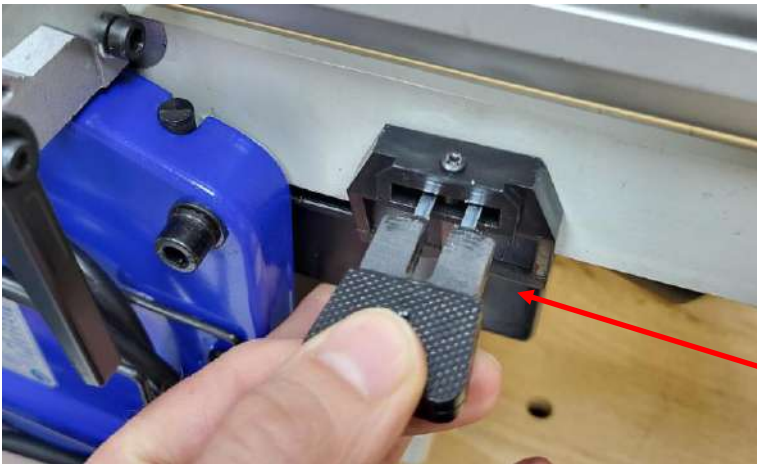


Fit the guide fence to the table, using the two M5 x 20mm cap head bolts.



The dust extraction hood has a 75mm diameter outlet for connecting the extractor hose.

If you are using a 100mm diameter dust extractor hose, you will need to fit an adaptor. (100/35RC)



PLEASE NOTE : THE MACHINE IS FITTED WITH AN INTERLOCKING SAFETY SWITCH AND WILL NOT RUN WITHOUT THE DUST EXTRACTION HOOD CORRECTLY FITTED

The hood can be fitted in two different ways, depending on what type of operation is being carried out:
Planing or Thicknessing

The hood is locked in place using two locking latches which push into a receiver. One located on each side of the table.

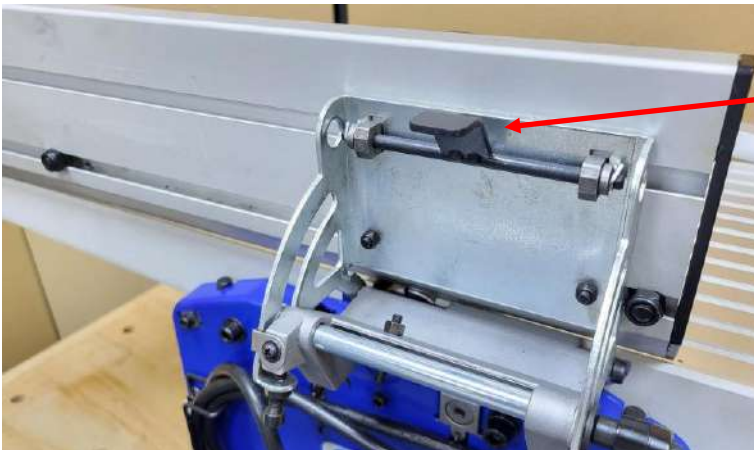


Planing Operations

The dust extraction hood must be fitted underneath the outfeed table and locked in place using the two locking latches.

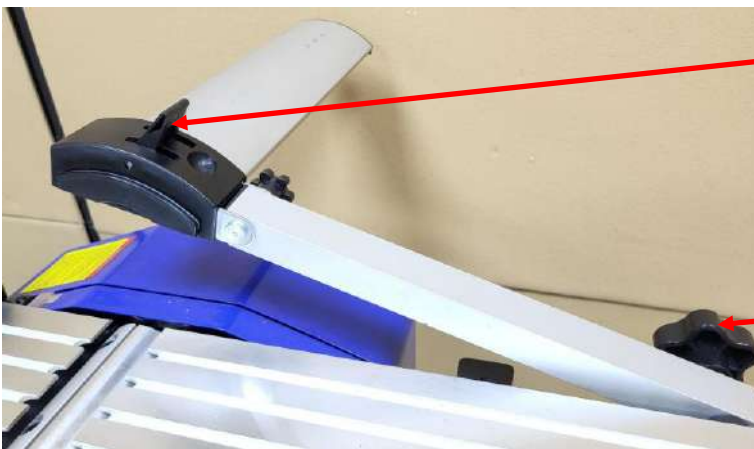


There is also a locking screw underneath the infeed table.



Thickening Operations

Release the fence locking latch and slide the guide fence sideways up to the end stop.



Release the bridge guard lock lever

Slide the bridge guard to the far side, away from the fence.



Undo the locking knob and raise the bridge guard arm to its full height.

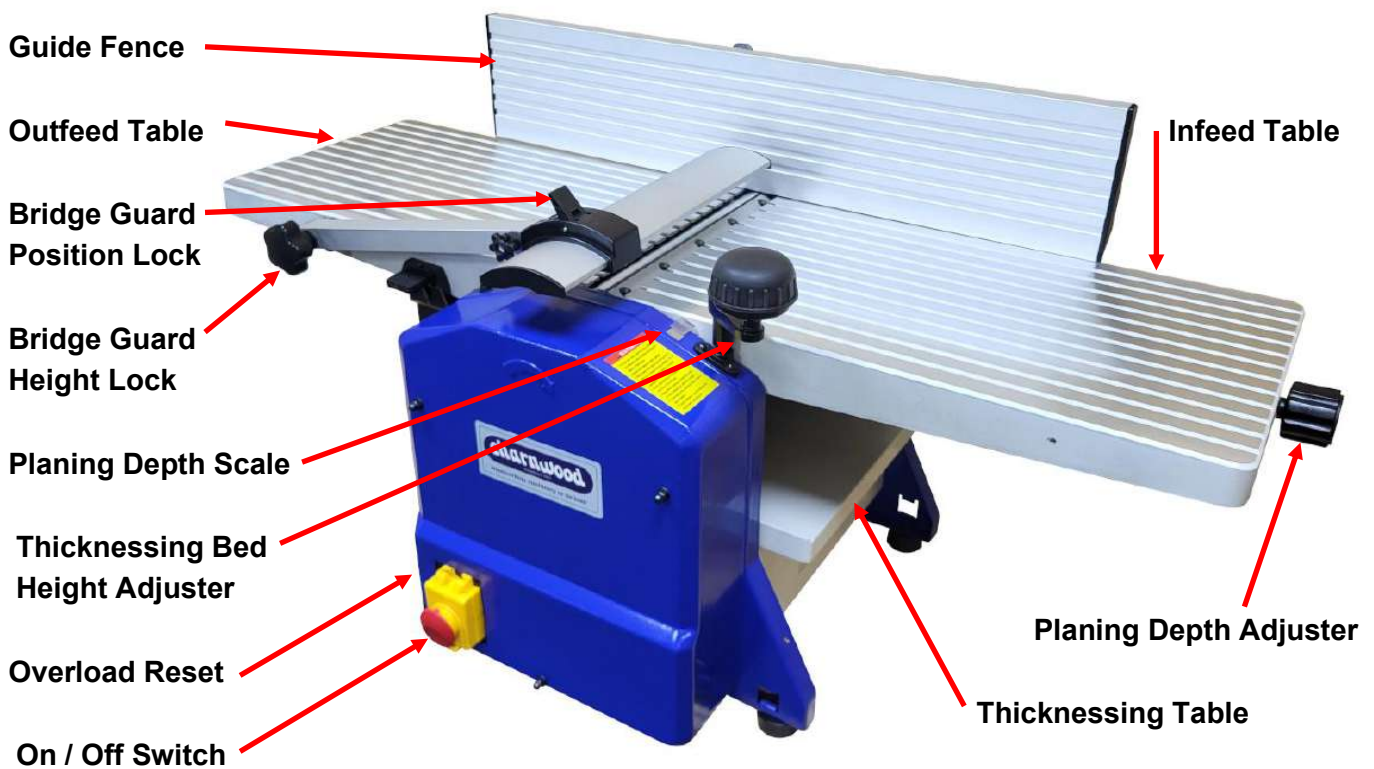
Undo the locking handle

Tilt the guide fence backwards



Fit the dust extraction hood and lock in place using the 2 side latches and the front locking screw.

Using the Planer Thicknesser





Starting And Stopping

To turn on, press the green button.

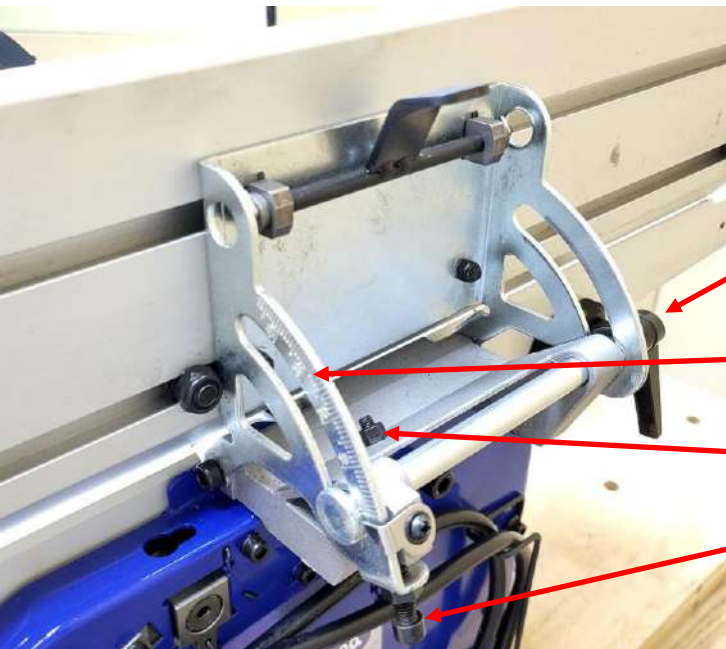
Wait for the knives to reach their maximum speed of rotation before commencing with the cut.

The machine is fitted with an NVR (No Voltage Release) switch.

This type of switch is designed so that if the machine is disconnected from the mains whilst running and then reconnected, the motor will not automatically restart.

Planing Function

Standing with the switch side as the front. The direction of feed is Right to Left.
Fit the extraction hood under the outfeed table and clamp it into place.



Set The Angle Of The Guide Fence

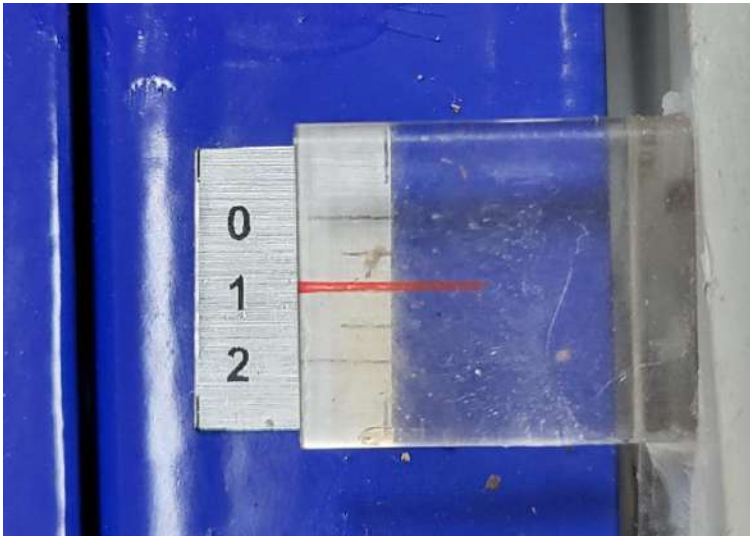
The guide fence can be set to any angle from 90 to 45 degrees. There are adjustable pre-set stops for those two positions.

The guide fence is locked and unlocked by using this locking knob.

Other angles can be set by reading off the scale.

45 degree adjusting screw

90 degree adjusting screw



Set the Depth of Cut

Turn the plastic knob, located on the end of the infeed table, clockwise to decrease the depth of cut.

The planning scale shows mm increments from 0 to 2.

As a general rule: set the depth at 1mm and, if necessary, make 2 or 3 passes until the desired result is achieved.



Position the bridge guard so it covers any exposed part of the knives.

Use the push stick to hold the work piece firmly down against the table, feed the work piece across the knives, onto the out-feed table.

When working with very thin material, set the bridge guard all the way across to the fence.

Then set the height of the bridge guard, so the work piece can pass underneath it.

Thickening Function

Standing with the switch side as the front. The direction of feed is Left to Right (opposite direction to planing). Fit the extraction hood on top of the outfeed planing table and secure in place.

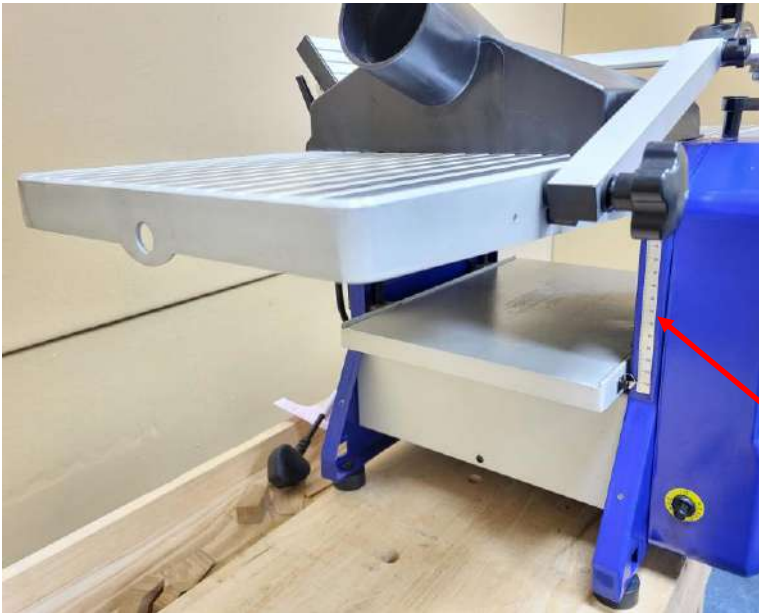


Use the crank handle to adjust the height of the thickening bed to match the work piece.

The maximum depth of cut when thickening is 2mm. A feed height restrictor bar prevents a cut of more than 2mm being made.

Standing in front of the machine, hold the work piece so it is flat against the thickening table and gently push forward.

Release the work piece when you will feel the drive roller take hold and feed it past the knives.



Move around to the other end of the machine to support the piece by hand as a second drive roller feeds it out of the machine.

Repeat as many times as necessary to achieve the required finished dimensions of the piece.

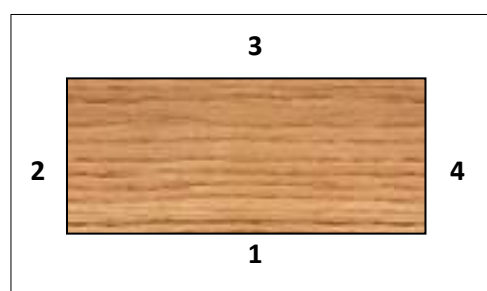
After each pass, rotate the crank handle clockwise one turn to raise the bed by 2mm.

The actual dimension can be read from the thickness scale.

General Guide

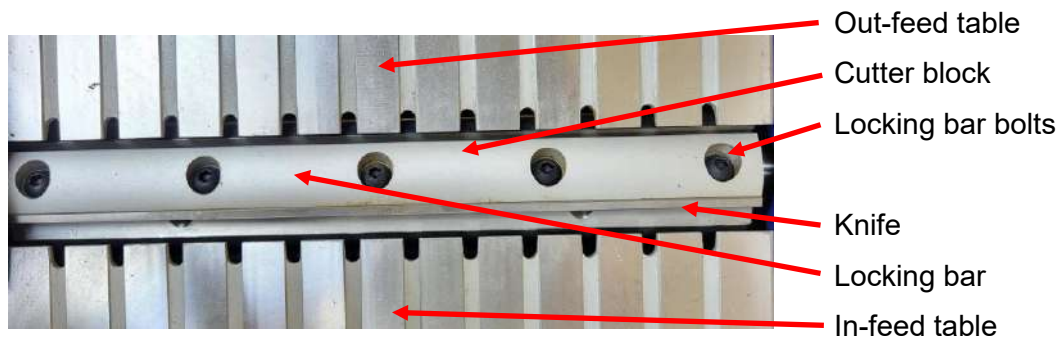
When faced with a rough sawn piece of timber which requires planing on all 4 sides and taking down to a specific finished dimension, follow this guide:

- Set the machine up for planing.
- Identify the flattest of the two wider faces on the timber. (Face 1 on diagram)
- Pass that side over the planer as many times as necessary until a flat and smooth finish is achieved.
- Hold the planed side firmly against the guide fence (set at 90 degrees to the bed) and pass the narrow side (Face 2 on diagram) over the planer as many times as necessary until a flat and smooth finish is achieved.
- You should now have two planed sides at 90 degrees to each other.
- Set the machine up for thicknessing.
- Pass the timber through the thicknesser with the wider, already planed side (Face 1 on diagram) facing down against the thicknessing bed. Continue until the desired thickness for the timber is reached.
- Finally, pass the timber through the thicknesser with the planed narrow side (Face 2 on diagram) facing down against the thicknessing bed. Continue until the desired thickness for the timber is reached.



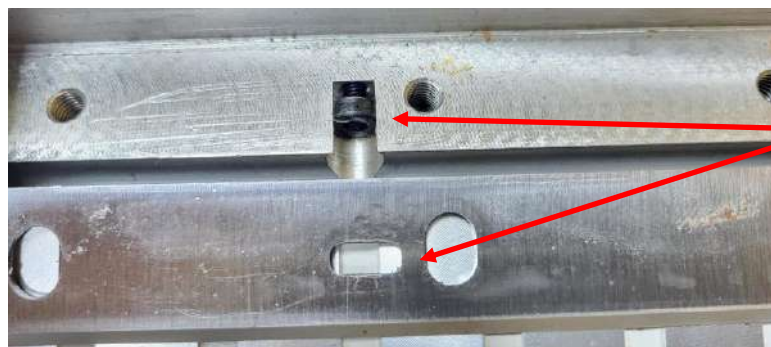
Knife Removal and Replacement

Disconnect from the power supply before starting any maintenance.



Using the 4mm allen key provided undo the 5 locking bolts (turn anticlockwise)

Lift out the locking bar and knife.



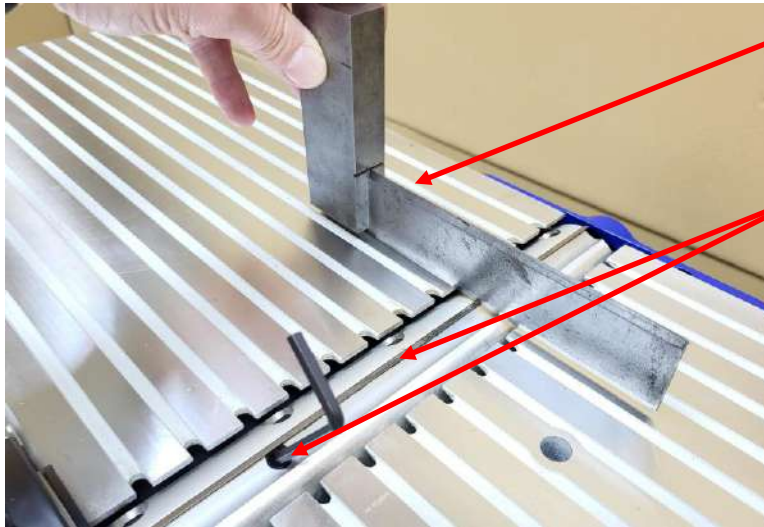
Place the new knife into the cutter block.

Make sure the slot in the knife sits over the knife height setting screw.



Once the new knife is in place, refit the locking bar.

Leave the bolts loose so the knife can still move.



Place a straight edge on the out-feed table with it sitting over the knife and cutter block.

Using the Hex key, Adjust the blades if needed so that they just touch the underside of the straight edge.

Tighten the 5 locking bar bolts and ensure it is firmly locked in place.

Repeat these steps for the second knife. Check that the blades do not contact the edge of the table.

Troubleshooting Guide

Problem	Cause	Remedy
Machine does not start	Blown Fuse	Replace Fuse
	Loose switch terminal	Inspect back of switch
	Faulty switch	Replace switch
	Guard not fitted	Re-fit the plastic guard ensuring it connects with the interlock switch
Only starts when Green button is held down	Faulty switch	Replace switch
Machine runs intermittently	Worn carbon brushes in motor	Replace carbon brushes
Motor running but cutter block is not rotating	Broken or stretched drive belt	Replace drive belt
Motor slows down during the cut	Depth of cut is too great	Take a smaller cut
	Dust & Chip collector hood is blocked	Clear the blockage and ensure the extractor is functioning correctly
	Planing knives are blunt	Replace knives
Excess Vibration	Planing knives out of balance	Reset the height of the knives
Shuts off after a prolonged period of use	Overheating motor	Wait for the motor to cool down, then press the overload reset switch and start the machine.

Declaration of Conformity

Charnwood Declare that Woodworking Planer & Thicknesser, Model PT250B

Conforms with the following EU Directives: Machinery Directive 2006/42/EC
 EMC Directive 2014/30/EU

And further conforms to the machinery example for which the EC type examination Certificate No. BM 50707133 & AE 50541586 have been issued by TUV Rheinland LGA Products GmbH, Tillystrasse 2, 90431 Nurnberg.

I hereby declare that equipment named above has been tested and found to comply with the relevant sections of the above referenced specifications. The machinery complies with all essential requirements of the directives.

Signed: 

Dated: 12/02/2026

Location: Leicestershire



Richard Cook, Director



Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local amenity tip and place into the appropriate recycling bin.



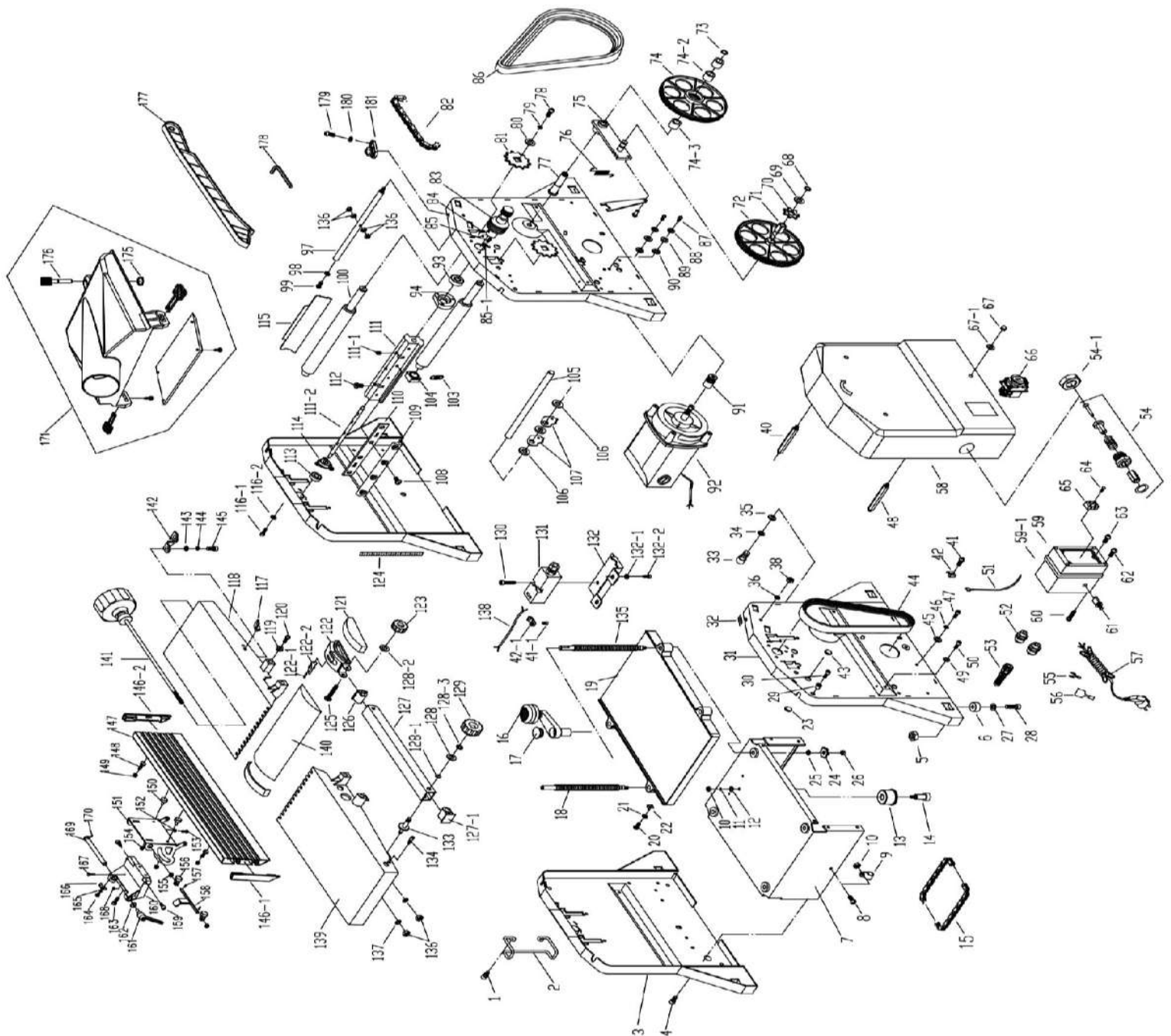
Only for EU countries

Do not dispose of electric tools together with household waste material!

In observance of European Directive 2002/96/EC on waste electrical and electronic equipment (EEE) and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

Your local refuse amenity will have a separate collection area for EEE goods

Charnwood PT250B Parts Diagram



Charnwood PT250 Parts List

No.	Description	Qty.	No.	Description	Qty.
PT250B#001	Socket head screw	4	PT250B#093	Ball bearing	1
PT250B#002	Cord hook	2	PT250B#094	Bearing house	1
PT250B#003	Rear wall plate	1	PT250B#097	Rod	1
PT250B#004	Socket head screw	8	PT250B#098	Flat washer	1
PT250B#005	Hex nut	4	PT250B#099	Socket head screw	1
PT250B#006	Foot	4	PT250B#100	Feed roller	2
PT250B#007	Base	1	PT250B#103	Spring	3
PT250B#008	Pan head screw	1	PT250B#104	Bearing block	5
PT250B#009	Cord clamp	2	PT250B#105	Shaft	1
PT250B#010	Hex nut	2	PT250B#106	Spacer	28
PT250B#011	Lock washer	1	PT250B#107	Kick-back pawl	27
PT250B#012	Flat washer	1	PT250B#108	Socket pan head screw	10
PT250B#013	Chain tension wheel	1	PT250B#109	Blade clamber	2
PT250B#014	Shaft	1	PT250B#110	Blade	2
PT250B#015	Chain	1	PT250B#111	Cutter block	1
PT250B#016	Crank handle assembly	1	PT250B#111.1	Set screw	4
PT250B#017	Handle cap	1	PT250B#111.2	Spindle shaft	1
PT250B#018	Screw	3	PT250B#112	Adjusting screw	4
PT250B#019	Thickneser table	1	PT250B#113	Ball bearing	1
PT250B#020	Pan head screw	1	PT250B#114	Bearing house	1
PT250B#021	Flat washer	1	PT250B#115	Apron	1
PT250B#022	Pointer	1	PT250B#116	Socket head screw	3
PT250B#023	Rubber bushing	1	PT250B#116.2	Lock washer	3
PT250B#024	Sprocket	4	PT250B#117	Pointer	1
PT250B#025	Flat washer	4	PT250B#118	Infeed table	1
PT250B#026	Lock nut	4	PT250B#119	Guide bushing	4
PT250B#027	Flat washer	4	PT250B#120	Socket head screw	4
PT250B#028	Socket head screw	4	PT250B#121	Guard cover	2
PT250B#029	Positioning sleeve	4	PT250B#122	Guard support	1
PT250B#030	Socket head screw	4	PT250B#122.1	Pin	1
PT250B#031	Front wall plate	1	PT250B#122.2	Knob	1
PT250B#032	Scale	1	PT250B#123	Knob	1
PT250B#033	Socket head screw	1	PT250B#124	Scale	1
PT250B#034	Lock washer	1	PT250B#125	Carriage bolt	1
PT250B#035	Flat washer	1	PT250B#126	Arm cap	1
PT250B#036	Flat washer	1	PT250B#127	Support arm	1
PT250B#038	Hex nut	1	PT250B#127.1	Cap	1
PT250B#040	Hex bar	2	PT250B#128	Flat washer	1
PT250B#041	Pan head screw	5	PT250B#128.1	Retaining ring	1
PT250B#042	Cord clamp	5	PT250B#128.2	Flat washer	1
PT250B#043	Rubber bushing	1	PT250B#128.3	Lock washer	1
PT250B#044	Belt	1	PT250B#129	Knob	1
PT250B#045	Flat washer	4	PT250B#130	Socket head screw	2
PT250B#046	Lock washer	4	PT250B#131	Interlock switch	1
PT250B#047	Socket head screw	4	PT250B#132	Switch fixing plate	1
PT250B#048	Hex bar	1	PT250B#132.1	Flat washer	4

PT250B#050	Socket head screw	4		PT250B#132.2	Socket head screw	4
PT250B#051	Cable tie	1		PT250B#133	Shaft	1
PT250B#052	Strain relief	2		PT250B#134	Pin	1
PT250B#053	Strain relief	1		PT250B#135	Lifting screw	1
PT250B#054	Push button assembly	1		PT250B#136	Hex nut	2
PT250B#054.1	Hex nut	1		PT250B#137	Lock washer	2
PT250B#055	Quick connecting terminal	6		PT250B#138	Inner wire	1
PT250B#056	Insulation sleeve	6		PT250B#139	Outfeed table	1
PT250B#057	Power cord	1		PT250B#140	Cutterblock guard	1
PT250B#058	Cover	1		PT250B#141	Table adjusting screw	1
PT250B#059	Switch cover	1		PT250B#142	Fixing plate	1
PT250B#059.1	Switch box	1		PT250B#143	Flat washer	2
PT250B#060	Thread forming screw	2		PT250B#144	Lock washer	2
PT250B#061	Circuit breaker	1		PT250B#145	Socket head screw	2
PT250B#062	Thread forming screw	4		PT250B#146	Fence cover A	1
PT250B#063	Thread forming screw	3		PT250B#146.1	Fence cover B	1
PT250B#064	Thread forming screw	1		PT250B#147	Fence	1
PT250B#065	Terminal	1		PT250B#148	Hex head bolt	2
PT250B#066	Switch DKLD DZ-6-2	1		PT250B#149	Lock nut	2
PT250B#067	Acorn nut	3		PT250B#150	Guide screw	2
PT250B#067.1	Flat washer	3		PT250B#151	Angle support	2
PT250B#068	Retaining ring	1		PT250B#152	Hex nut	1
PT250B#069	Flat washer	1		PT250B#153	Socket head screw	1
PT250B#070	Sprocket	1		PT250B#154	Lock nut	2
PT250B#071	Square bushing	1		PT250B#155	Locking block	2
PT250B#072	Gear	1		PT250B#156	Guide screw	2
PT250B#073	Retaining ring	1		PT250B#157	Pin	2
PT250B#074	Pulley with pinion	1		PT250B#158	Locking handle	2
PT250B#074.2	Bushing	1		PT250B#159	Positioning screw	2
PT250B#074.3	Needle roller bearing	2		PT250B#160	Fence support base	1
PT250B#075	Mounting plate assembly	1		PT250B#161	Locking handle	1
PT250B#076	Spring	1		PT250B#162	Flat washer	1
PT250B#077	Shaft	1		PT250B#163	Socket head screw	2
PT250B#078	Socket head screw	2		PT250B#164	Pan head screw	1
PT250B#079	Lock washer	2		PT250B#165	Flat washer	2
PT250B#080	Flat washer	2		PT250B#166	Pointer	1
PT250B#081	Sprocket	2		PT250B#167	Socket head screw	1
PT250B#082	Chain	1		PT250B#168	Hex nut	1
PT250B#083	Spindle pulley	1		PT250B#169	Rod	1
PT250B#084	Set screw	2		PT250B#170	Pin	1
PT250B#085	Socket head screw	3		PT250B#171	Dust chute	1
PT250B#085.1	Lock washer	3		PT250B#175	Retaining ring	2
PT250B#086	Belt	1		PT250B#176	Knob	1
PT250B#087	Pan head screw	2		PT250B#177	Push stick	1
PT250B#088	Lock washer	2		PT250B#178	Hex wrench	1
PT250B#089	Flat washer	2		PT250B#179	Pan head screw	2
PT250B#090	Serrated washer	2		PT250B#180	Flat washer	2
PT250B#091	Motor pulley	1		PT250B#181	Guide block	1
PT250B#092	Motor	1				



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