carbatec



OWNERS MANUAL PROFESSIONAL COMBINATION THICKNESSER / JOINTER

TJ-250P / TJ-X250P

An economy version of a European style planer/thicknesser. A real space saver in the workshop. Features flip-up tables for conversion to thicknesser. Tables have noise-dampening slots. Serrated steel infeed roller is standard. Comes with spiral cutter head.

Spiral cutterheads revolutionise your woodwork! Offering silent cutting as well as less chatter and tear-out in curly or highly figured wood, these cutterheads save hours of cleanup work after dressing timber. This machine's 64 four-sided cutter knives (which can be turned to offer a new cutting edge in seconds) are made of fine grain tungsten carbide and are held in place by a Torx style screw. Knives of this type last three to five times longer than good quality HSS knives. Multiply this by four cutting edges and you achieve 12 to 20 times the normal blade life of a HSS blade set.

Easily turned and seated, they present a fully sharpened and indexed cutting edge. No complex blade setting or jigs are required - you simply replace the blade when all four edges have been used. This style of cutterhead also reduces the size of shavings when cutting, increasing the effectiveness of your dust collection setup. The size of the knife and the spiral cutting action also reduce the amount of horsepower needed to drive the machine, translating into more effective power transmission on each cut revolution.





Fully read manual and safety instructions before use



Ear protection should be worn



Eye protection should be worn



Dust mask should be worn



HAZARD Motor gets hot

What's Included

Model Nu	nbers:
QTY1	AW106PTX / Planer Thicknesser (95% assembled)
QTY1	Planer Fence
QTY1	Planer Fence Mounting Base
QTY1	Fence Securing Bracket
QTY1	Overhand Planer Guard Mounting Bracket
QTY1	Overhand Planer Guard
QTY1	Overhand Planer Guard Locking Plate
QTY1	Spring Metal Plate
QTY2	M10 Washers
QTY2	M10 Lever Handle Bolts
QTY2	M6 x 12mm Caphead Bolts
QTY1	3mm Allen Key
QTY1	4mm Allen Key
QTY1	5mm Allen Key
QTY1	6mm Allen Key
QTY2	M6 Eye Bolts (for lifting)
QTY1	Instruction Manual

Having unpacked your saw and its accessories please dispose of any unwanted packaging properly. The packaging is biodegradable.

General Instructions for 230V Machines

Good Working Practices/Safety

The following suggestions will enable you to observe good working practices, keep yourself and fellow workers safe and maintain your tools and equipment in good working order.

WARNING!! KEEP TOOLS AND EQUIPMENT OUT OF THE REACH OF YOUNG CHILDREN

Work Place/Environment

The machine is not designed for sub-aqua operation, do not use when or where it is liable to get wet. Do not use 230V a.c. powered tools anywhere within a site area that is flooded or puddled, and do not trail extension cables across wet areas. Keep the machine clean; it will enable you to more easily see any damage that may have occurred.

Continues Over.... 03

General Instructions for 230V Machines

Keep the work area as uncluttered as is practical, this includes personnel as well as material. Under no circumstances should CHILDREN be allowed in work areas.

It is good practice to leave the machine unplugged until work is about to commence, also make sure to unplug the machine when it is not in use, or unattended. Always disconnect by pulling on the plug body and not the cable. Once you are ready to commence work, remove any tools used in the setting operations and place safely out of the way.

Re-connect the machine. Carry out a final check e.g. check the cutting tool is securely tightened in the machine, check you have the correct speed and function set, check that the power cable will not 'snag' etc.

Make sure you are comfortable before you start work, balanced, not reaching etc. Wear the appropriate safety clothing, goggles, gloves, masks etc. Wear ear-defenders at all times, ilf you wear your hair in a long style, wearing a cap, safety helmet, hairnet, even a sweatband, will minimise the possibility of your hair being caught up in the rotating parts of the machine, likewise, consideration should be given to the removal of rings and wristwatches, if these are liable to be a 'snag' hazard. Consideration should also be given to non-slip footwear, etc. If you are allowing another person to use the machine, ensure that they are suitably qualified to use it.

Do not use the machine if you are tired, your attention is wandering or you are being subjected to distraction.

Do not use this machine within the designated safety areas of flammable liquid stores or in areas where there may be volatile gases.

Check that cutters are the correct type and size, are undamaged and are kept clean and sharp, this will maintain their operating performance and lessen the loading on the machine. Above all, **OBSERVE....** make sure you know what is happening around you, and **USE YOUR COMMON SENSE.**

Specific Precautions Using Planer Thicknessers

Most machines currently, are well interlocked to ensure that the machine must be in the correct configuration to perform one task or the other. Make yourself familiar with these configurations and do not try to use the machine in a half and half state; or rig the interlocks to enable you to do so.

These machines are designed for cutting timber only. They will, but are not designed to, cut timber derivatives or composites. Glue lines in plywood, block board etc, will 'notch' blades as sure as eggs is eggs. The bonding agent in chipboard is likewise detrimental to the health of your planer irons.

It is best to leave them alone. If you have to machine composites, work out the costs of tungsten, against HSS (plus the sharpening costs), and proceed accordingly. On larger machines it is common practice to leave a portion of the blade (usually the offside 30 mm) to be used on 'aggressive' materials.

Overhand planing

Make sure during overhand planing operations, that the fence is set to the required angle, is securely fastened and locked in position. Ensure the planer block guarding is in position and secured.

Disengage the autofeed for the thicknesser.

Ensure both tables are correctly seated and locked down.

Ensure the dust extraction hood is in place and is not blocked.

Fit dust extraction.

Check the sharpness of planer irons, check for 'nicks' and 'notches', if there are damaged sections on the blades, try to plane in the 'clear' areas.Especially when planing material down to 'thin' dimensions, maintain

Specific Precautions Using Planer Thicknessers

pressure on the 'front' of the material i.e., that portion of the stuff that has passed over the block, but use a push stick or a pusher shoe to clear the end of the stuff over the block.

Thicknessing

When thicknessing, remove the fence. Lower the thicknessing table slightly. Unlock and swing both tables 'up and out of the way', taking care not to foul the overhand guard/arm assembly, which will probably swing free. Turn the dust extraction hood up and over the block.

Connect the dust extraction. Ensure the hose will not

foul any stuff being passed through the machine.

Check the height of the thicknessing table.

Engage the autofeed mechanism.

Periodically, clean any excess build up of resin from the thicknessing table, and apply any proprietary brand of lubricating agent.

NOTE, Consideration should be given to the type of finish you will be applying to the surface when you select your cleaning/lubrication agent.

cast iron

1050mm

250mm

0-45°

Specifications

motor	2-hp 230v	table type & size
cutterhead	64 insert knives	table length
blades resharpenable	no-replaceable	table width
workshop footprint	1100 x 800 x 1000mm	fence tilt
dust chute	1 x 4"	
net weight	150kg	
shipping weight	207kg	

specifications - thicknessing mode

max cutting width	250mm
max thickness of stock	180mm
min thickness of stock	3mm
feed rate	8 mpm
infeed roller	serrated
outfeed roller	steel
table type	cast with rollers
table size	250 x 770mm

Your machine comes enclosed in a packing case with the accessories packed on top of the tables.Having removed the top and the sides of the packing case, remove all the components from the top of the machine; put to one side. Ascertain the orientation of the machine and move it to its desired position in the workshop. Ensure that the machine is positioned to allow sufficient clearance both in front and behind the machine to cater for the maximum length of timber you will wish to machine.

Remember sufficient space must be left 'around' the machine to facilitate your stance when overhand planing and moving from end to end of the machine if you are thicknessing singlehandedly. Remember that when the surface tables are 'up and out of the way' for thicknessing, the machine is appreciably wider than when it is in overhand mode. The machine is bolted down on to the pallet that forms the bottom of the packing case. Remove these 'hold down' bolts. In the packet on top of the tables you will find 2 No. small 'eye' bolts. These screw into the top part of the machine casting (as shown in fig 1.) and can be used to hoist the machine clear of the pallet. If you do not have the availability of such a hoist, and are going to have to 'manhandle' the machine off the pallet; make sure the tables are locked down before applying any lifting force to them.

IT IS NOT RECOMMENDED THAT LIFTING, PULLING OR PUSHING IS CARRIED OUT AGAINST THE TABLES.

However, if expediency dictates that this is the only method to dismount the machine, this is what must be done. Do Not under normal circumstances lift, push or pull the machine using the tables. Any movement is best carried out against the main frame cabinet.

The machine should be positioned on a flat level surface. Final levelling can be accomplished using the levelling bolts in the base fillets of the legs. Once the machine is in position, and level, it can be bolted to the floor if so required. Before adding the fence and the guarding (i.e. with the machine 'clean') it is a good idea to remove the protective grease film that is coating all the unpainted parts of the machine. Use a proprietary de-greasing agent or paraffin et al. Unfortunately, this cleaning process is always a bit 'mucky', you are advised to wear overalls or coveralls etc., during the process. After cleaning, especially if you used paraffin, lightly coat the exposed metal surfaces to prevent any rusting. Bear in mind the stuff you will be machining and its possible finishing process, when you choose your anti-corrosion agent. Locate the planer fence, the planer fence base, the two handled clamp nuts and washers. Bolt the 'T' yoke to the planer fence base. Span the bosses of the 'T' yoke with the two elongated slotted lugs of the fence which are loosely bolted into the fence. Fasten the fence to the yoke using the handled clamp nuts and washers, position the fence as required and fasten the four bolts that secure the mounting lugs.

Your AW106PTX offers the

facility of your being able to plane right or left handed. Decide on the best and most comfortable position for you. Locate the fence mounting bracket and fix to the machine casting as shown in fig 2, using 2 No. M6 x 12mm caphead bolts; depending on your preferred handing. Introduce the planer fence base into the bracket; so that the planer fence base slides into the fence mounting bracket; then secure; positioning the fence approximately mid-table (see fig 3). Mount the overhand plane guard arm onto the side of the outfeed table that corresponds to your preferred handing, then fit the overhand cutter block guard. In the accessories packet there is a small spring metal plate - this fits into the overhand guard clamping assembly to spread the load of the guard clamp onto the guard. It also prevents the bolt scoring the upper surface of the guard, fasten in position using the guard lock (see fig 4).

Initial Assembly and Setting Up









Machine Illustration and Parts Description

Machine Illustration and Parts Description



Machine Illustration and Parts Description







Fig 10





Operating Instructions (Overhand Planer or Jointer)

- 1. Make sure you have read and fully understood the General Instructions and safety precautions that are printed in the preceding pages of this manual.
- 2. Before connecting the machine to the supply; check for obvious signs of damage, paying particular attention to the plug and the power cable. Rectify or have rectified any damage you discover. Check the blades are not damaged; that they are clean and sharp. Change the blades if necessary.
- 3. Connect up your dust extraction system to ensure best possible cutting action.
- 4. Set the fence, leaving sufficient exposed width of planer blades for you to machine the edge dimension of the workpiece.
- 5. Check the fence is also set to the correct and desired angle for you cutting operation.
- 6. Check that all accessories, tools etc., which have been used to set the machine up, are removed and set carefully aside or stowed away correctly.
- 7. Lower the infeed table to give the required depth of cut, (e.g. maximum depth to work badly distorted or very roughly finished timber, minimum to 'finish' a fine straight cut off a saw?).
- 8. Ensure that the Autofeed Engage Control in the in neutral (lower lock) position.

- 9. Put the workpiece onto the infeed table and advance it to the stationary cutter block, and set the cutterhead guard to 'just' clear the workpiece, covering the whole of the exposed part of the cutter block. (Fig 10)
- 10. Wide, thin boards can be machined using a completely covered cutterhead, raising the height and angle of the cutterhead guard to be slightly above the thickest part of the workpiece (Fig 11a). This is one of the safest methods on these boards. Alternatively, wide boards can be machined in the same way as Step 9 (Fig 11b).
- 11. Check the workpiece. Select the 'face'. (The first planing operation). Ensure that, if possible, you are not planing against the grain, and that if the piece is bent, that the back of the bow is uppermost.
- 12. Check that there are no foreign objects e.g. old nails, screws, small stones etc. embedded in the material you are about to cut.
- 13. Plug the power cable into a correctly rated switched socket outlet. If extension leads are being used, check these for damage, do not use if damaged; if you are working outside, check that any extension cables in use are rated for outside work
- 14. Press the start button and allow the machine to run up to speed. Put the workpiece onto the infeed table and advance over the cutter block, maintain a constant downward pressure on the workpiece whilst feeding
- 15. Take caution when approaching the area around the cutterhead. Depending on you cutterhead guard position, you should utilise push blocks, push sticks, or shuffle your hands over the guard when you reach it.
- 16. Make as many passes as required to render the workpiece flat and straight
- 17. When your cutting process is complete, press the red stop button, and allow the machine come to a complete stop before making any adjustments.
- 18. Select your next 'edge'. (The second planing operation). Ensure that, if possible, you are not planning against the grain, and that if the timber is bent, that the back of the bow is uppermost.
- 19. If necessary, alter the infeed table depth setting as required for planing the next edge.
- 20. Set the fence position and angle, adjust the upper cutterhead guard and proceed to cut as described in the earlier steps.



Fig 12



Fig 13

Operating Instructions (Thicknessing)

- 1. Make sure you have read and fully understood the General Instructions and safety precautions that are printed in the preceding pages of this manual.
- 2. Before connecting the machine to the supply; check for obvious signs of damage, paying particular attention to the plug and the power cable. Rectify or have rectified any damage you discover.
- 3. Check the blades are not damaged; that they are clean and sharp. Change the blades if necessary.
- 4. Lower the Thicknesser table to its lowest position using the rise and fall control handle on the left hand side (this will allow the dust hood to flip over)

- 5. Loosen the cutterhead guard mounting swing arm and swing up and completely to the left (or completely remove if desired)
- 6. Loosen the Fence Securing Clamp, pull Fence Assembly towards the front of the machine and completely remove it.
- 7. Loosen and slightly pull out the captive Infeed and Outfeed Table Locks on the rear of the machine.
- 8. One at a time, lift the Outfeed, and then the Infeed Tables up from the rear, and swing them over toward the front of the machine.
- 9. Swing the Dust Extraction Hood up and over to the top position (Fig 12) ensuring the clip is engaged with the pin.
- 10. Connect up your dust extraction system to ensure best possible cutting action.
- 11. Check that there are no foreign objects e.g. old nails, screws, small stones etc. embedded in the material you are about to cut.
- 12. Measure the size of the wood you want to thickness. Set the thicknesser bed to this dimension against the depth scale on the side of the machine.
- 13. Press the green start button and allow the cutter block to run up to full speed.
- 14. Shift the Autofeed Engage Control to the upper, 'run' position
- 15. Take workpiece and orientate the material so that the face you want cut is facing up.
- 16. Push the material firmly into the feed side of the machine (left side, with Autofeed Controls) until the Autofeed roller 'picks up' the material and pulls it through the machine. (Fig 13)
- 17. Do not push or pull the material while it is being automatically fed through the machine.
- 18. Move around to the 'back' of the machine and take hold of the workpiece to prevent it falling to the floor when the machining pass is complete.
- 19. Measure the dimension you have just cut and calculate how much more material you have to remove to reach the required size. Raise the thicknessing bed for the new cut.
- 20. Repeat the process until you desired thickness is achieved remembering that you may need to machine both rough sides for a finished board.
- 21. When your cutting process is complete, press the red stop button, and allow the machine come to a complete stop before making any adjustments.
- 22. If changing back into Jointing mode, remember to change the Autofeed Engage Control back into the lower locked 'neutral' position and reverse steps 5 through 9.

MAKE SURE THAT THE MACHINE IS DISCONNECTED FROM THE POWER SUPPLY!

This machine has 64 four-sided cutter knives are made of fine grain tungsten carbide and are held in place by a Torx style screw. These knives can be turned to offer a new cutting edge in seconds.



Fig 14

Wiring diagram



Fig 15



DISCONNECT THE PLANER THICKNESSER FROM THE MAINS SUPPLY.

Your machine requires minimum maintenance, but it is essential that it is carried out to ensure the longevity and correct function of the machine.

Daily

Check the overhand tables and the thicknessing bed are clean, not coated with resin etc. Apply a proprietary cleaner/lubricating agent.

Check the cable and the plug for damage or defects. Mount the planer fence and check it is set upright.

Check the dust extraction hood and ensure there are no excessive build ups of sawdust/resin, especially in the mouth of the chip deflector and around the mouth of the extractor.

Check the blades for sharpness and damage.

Check the rollers of the thicknessing table rotate freely, and there is no build up between the roller and the extension plate.

Weekly

Carry out the above checks.

Clean the machine thoroughly, remove any shavings, sawdust, chips etc, from in, under and around the machine.

Check the cutter block for resin build up, especially behind the blade and in the scallop of the chipbreaker/wedge.

Raise the tables and brush out and clean any debris or build up around the area of the noise attenuating slots in the edges of the overhand tables. Check the infeed and take off pressure rollers are not clogged, clean as necessary.

Check the action of the anti-kickback fingers, again clean and lubricate as required.

Monthly

Carry out the above checks. After cleaning apply a little light oil to the bearing ends of the infeed, take off and extension table rollers. (Refer to Fig 16,17)

Remove the rear machine cover plate, check the condition and tension of the drive belt.

Check the autofeed engage and disengage function.

Check the condition of the drive chains, clean and apply a light coating of oil to the chains and sprockets. Apply a light oiling to all the bearing areas, taking care not to get oil on the tyre surfaces. Replace the rear machine cover plate.

Re-tightening table lock downs. (Refer to Fig 16)

If the table lock downs becomes 'slack' they can be adjusted by altering the height of the table lock stud. Hold the stud firmly and loosen the lock nut, adjust the stud, lightly 'pinch' with the lock nut, try.

If correct, fully tighten the lock nut, if not, repeat the process until the 'lock down' is correct.

Routine Maintenance



OIL POINTS



Fig 17



NO.	DESCRIPTION	QTY	NO.	DESCRIPTION	QTY
1	Base stand	1	51	Oriented body	1
3	Small cover plate	2	52	splint	1
4	Right cover plate	1	53	Gear case assembly	1
5	Support sleeve	1	54	mandril	1
11	Support base	4	55	Block	1
12	Right cutter block support	1	56	Block	1
13	Left cutter block support	1	57	Locking bar assembly	1
14	Front adjusting block	1	58	Wheel assembly	1
15	Back adjusting block	1	59	Ring	1
16	Front locking block	1	60	Pointer	1
17	Back locking block	1	61	Depth scale	1
18	In-feed table	1	62	Washer	1
19	Out-feed table	1	63	Thicknesser table	1
20	Adjusting axle	2	64	Apron	4
21	Apron	2	66	Gear box	1
22	Locking handle assembly	2	67	Helical gear	1
23	Eccentric bush	2	68	Guide screw	1
24	Screw M8X8	3	69	Gear axle	1
25	Kick block	20	70	Bush	1
26	Turning axle	1	72	Locking handle	1
27	Support axle	2	74	Control handle assembly	1
28	Nut M10	14	75	Chain wheel assembly	1
30	Feed scale	1	76	Chain wheel assembly	1
31	Adjusting wheel	2	77	Tensioner assembly	1
32	Locating plate	1	78	Pin	1
33	Feed pointer	1	79	Long pin	1
35	Hex bolt M10X60	2	80	Chain wheel IV	2
36	Cutter block assembly	1	81	Driving roller	1
37	Ball bearing base assembly	2	82	Pressing roller	1
38	Driven pulley	1	83	Bush	4
39	Protective plate	1	84	Spring	4
44	Dust chute	1	85	Spring	1
45	Dust chute head	1	86	Connecting plate	1
46	Locking plate	1	89	Chain wheel	1
47	Change-over plate	1	90	Chain wheel II	1
48	Screw M6X12	2	91	Cast iron friction wheel	1
49	Thickness table assembly	1	92	Chain wheel III	1
50	Lifting tube	1	94	Tension plate	1



NO.	DESCRIPTION	QTY	NO.	DESCRIPTION	QTY
95	Spring	1	504	Spring washer 6	6
97	Guiding fence	1	505	Nut M10	8
98	Cutter block protective fence	1	506	Flat cap screw M5X6	5
99	Fence plate	1	507	HP screw M5X8	12
100	Supporting plate	1	508	Hex cap bolt M6X20	5
101	Guiding board	1	509	Washer 6	2
102	Right support	1	510	Washer 5	12
103	Left support	1	511	Washer 8	22
104	Connection board	1	512	Socket hex cap screw M8X25	13
105	Protective plate	2	513	Spring washer 8	18
106	Left sliding block	1	514	Socket hex cap screw M8X25	4
107	Right sliding block	1	515	Spring washer 8	4
108	Handle	1	516	Socket hex cap screw M8X30	2
109	Double head screw	2	517	Pin A6X40	2
110	Protective cover	1	518	Socket hex cap screw M8X30	4
111	Sensitive switch plate	1	519	Hex cap screw M6X10	2
112	Short locating bar	1	520	Screw M6X16	1
113	Long locating bar	1	521	Nut M16	4
114	Motor pulley	1	523	External retaining ring 12	2
115	U-shaped metal tube	1	525	Elastic pin 5x12	1
116	Locking pole	1	526	Flat cap screw M5X12	1
117	Locking handle	1	528	Ph screw M4X6	2
118	Handle	1	530	self-aligning bearing 2205	2
119	Angle iron	1	531	Pin 6x20	1
120	Fixed plate	1	532	External retaining ring 25	1
121	Protective plate	1	534	Screw M6X10	4
122	Protective plate cover	1	535	Socket hex cap screw M6X8	8
123	Locking plate	1	536	Hex cap screw M6X10	2
124	Plastic insert	2	537	Washer 5	12
126	White sensitive switch	1	538	Socket hex cap bolt M6X25	3
128	Spring	3	539	Hex cap screw M6X10	14
129	Screw M6X25	4	540	Nut M6	22
131	Handle	1	542	Support cylinder	1
132	Handle wheel	1	543	Support cylinder	1
133	Locking block	1	544	Pad	2
			545	Socket hex cap screw M8X16	10
501	Spring washer 20	1	546	Socket hex cap screw M8X30	7
503	Big washer 10	1	547	Screw M8X8	1





NO. DESCRIPTION NO. DESCRIPTION QTY QTY 548 Screw M6X10 12 591 Nut M8 4 549 Socket hex cap bolt M6X35 1 592 Nut M5 7 550 PH screw M4X6 2 595 Hex cap bolt M8X16 4 2 551 PH screw M4X6 596 Socket hex cap screw M6X12 6 552 Special nut M12 1 597 PH screw M5x8 6 4 6 553 Nut M6 598 Washer 5 554 Pin 5X12 1 599 Motor 1 2 555 Straight-through oiling Cup M10 1 601 Socket hex cap bolt M5X12 2 556 Seal 1 602 Washer 5 557 Thrust bearing 51102 1 2 603 Flat head screw M8X16 2 558 Washer 10 605 Hex cap bolt M8X25 4 2 2 559 Hex head screw M6X65 606 Socket hex cap screw M6X40 2 2 560 Self-locking nut M10 613 Hex cap bolt M6X16 1 614 2 561 Elastic pin 4x25 Clip 6 562 External retaining ring 10 1 615 Special nut M6 1 1 563 External retaining ring 18 617 Nut M12 1 12 564 Flat head screw M4X6 619 Large handle assembly 1 4 1 565 Double head screw 620 Elasticity pin A6X20 566 Hex cap bolt M6X10 1 622 Big washer M6 3 623 568 Nut M8 4 2 Screw M6X8 569 Chain 05B-1x86 1 624 8 Socket hex cap bolt M6X16 1 6 570 Chain 05B-1X76 625 Socket hex cap bolt M6X20 571 Locking handle assembly 2 5 626 Washer 4 1 1 572 Big handle assembly 627 Elasticity pin A5X10 573 Bush 8 629 2 Screw M6X8 574 Pin 5X16 2 1 630 Urgency switch 575 Handle 1 640 ON switch 2 4 2 577 Bearing 61901-2Z 641 OFF switch 578 PH screw M6X10 4 650 Contact 1 579 Internal retaining ring 24 4 651 Contact box 1 4 1 580 Flat head screw M6X14 700 Base assembly 582 Bearing 6303-2Z 1 1 701 Planer table assembly 1 Cutter block assembly 1 583 Pin 702 586 V-BELT(L-1092) 1 703 1 Thicknesser table assembly 587 Washer 10 10 704 Chain wheel assembly 1 1 588 Socket hex cap screw M6X12 6 705 Dust chute assembly and protective Fence cutter 1 706 1 589 Socket hex cap screw M5X50 590 Self-setting screw ST5X40 4 707 1 Protective cover assembly

Parts List/Drawing 3



Notes



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 recycling centre 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 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.



WARRANTY

1. WARRANTY

- (a) We warrant that this **carbatec**. product will be free from defects caused by faulty workmanship or faulty materials for a period of 2 years from the date of sale.
- (b) This warranty is in addition to other rights and remedies you may have under a law in relation to the goods.
- (c) This warranty does not apply in any of the following cases:
 - (i) defects arising from:
 - (1) fair wear and tear;
 - (2) corrosive atmosphere;

(3) damage or injury caused by deliberate act, lack of care or failure to comply with the recommended care and maintenance for the goods;

- (4) improper use of the goods;
- (5) alterations or repairs (not made by us) to the goods;
- (ii) defects arising from an event outside of our control such as fire, flood, earthquake or other natural calamity, motor vehicle or other accident, strike, civil unrest, terrorism or war;
- (iii) to accessory items such as after-market jigs, accessories or other items which are not sold or serviced by us and which are not sold with or were not included with the main unit purchased; or
- (iv) to wearable parts such as drive belts/shafts, bearings, bandsaw tyres, motor brushes, blades or abrasive belts/discs or other cutting or machining implements.
- (v) damage caused to any electrical component, where connected to a power supply outside the country for which it was designed (namely Australia or New Zealand).
- (d) If this warranty applies and you have complied with the procedure below for making a claim, we will, at our election, either repair the goods (or those parts of the goods recognised as defective) or will provide a replacement within a reasonable time at our expense.
- (e) If this warranty applies, the procedure for making a claim is:
 - (i) you must contact us by email;
 - (ii) you must include in the email the following information:
 - (1) a copy of the order or receipt for the goods;
 - (2) the serial or batch number printed on the machinery manufacturing plate; and
 - (3) a detailed description of the fault and how and when it arose; and
 - (iii) if the fault is a type covered by this warranty, we will then make arrangements with you for the return of the goods to us (for repair or replacement) at our cost using our transport providers or we may decide to attend at your premises to repair or replace the goods.
- (f) Our liability (and that of our resellers) under this warranty is wholly limited to repair or replacement of the goods (or those parts of the goods recognised as defective) in accordance with the procedure above and you have no right to other compensation, costs or damages under this warranty. But this does not mean that you may not have other rights under a law in relation to the goods.
- (g) If following our inspection of goods returned by you under this warranty it is found that this warranty does not apply and you are not otherwise entitled to repair or replacement by us, you must, if requested by us, reimburse our costs including parts, labour and freight.
- (h) This warranty is not transferable and only the person who purchased the goods may make a claim.
- (i) Where the goods have been exported outside Australia or New Zealand, the Company may not require the Purchaser to return any allegedly faulty or defective Product for evaluation. However, the Company has the right to request the return for evaluation at purchasers cost.

2. STATUTORY NOTICE

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

3. CONTACT DETAILS

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