QUIK-SPLIT

7 TON IMPACT
LOG SPLITTER

 ALWAYS WEAR SAFETY CLOTHING IN
CONJUNCTION WITH HAND, EYE, HEARING
AND FOOT PROTECTION TO
HSE/EN SPECIFICATIONS

Operators Handbook

portek.co.uk
SAVING THESE INSTRUCTIONS FOR FUTURE REFERENCE

Please refer to the safety instructions, assembly instructions and parts list before setting up, operating, maintaining and cleaning your Quik-Split machine. Keep this Instruction Manual safe so you may refer to it at any time.

Safety Rules

WARNING

Read and understand all the instructions before use.

Failure to follow the instructions in this manual may cause electric shock, fire or other injury.

This machine is strictly to be operated by one person.

Essential Equipment for Your Protection

The Quik-Split 7 complies with all current safety standards. For your safety you must wear full protection as specified below.

Head, eye and hearing protection

Eye protection to EN166 – B
Hearing protection to EN 352-1: 2002
Face protection visor recommended

Hand protection

Gloves to EN 12477:2001

Foot protection

Boots to EN 20345:2011

Leg protection

Sturdy full length trousers - ideally to EN381 standard

WARNING:

When using this machine, basic safety precautions should be followed to reduce risk of personal injury and machine damage. Read all instructions thoroughly before attempting to operate the machine.

Portek cannot be held liable for any injuries or damages that may occur, if the Quik-Split 7 is used in any inappropriate way, and/or if the device has been modified in any way.

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1. Keep the workplace free from obstacles which could cause an accident. Ensure a clear working area of at least 1.5m is maintained to eliminate trip hazards from logs or tools.

2. Do not expose the Quik-Split machine to rain. DO NOT use the Quick-Split machine in damp or wet locations.

3. Keep children away from the machine. Children should never be allowed in the work place, or operate the machine or tools.

4. Store your Quick-Split machine in a dry and dust free environment.

5. Dress appropriately. Do not wear loose clothing, jewellery or anything that could be caught by the moving parts. Protective clothing and slip-resistant shoes are recommended when operating the machinery. Wear protective hair covering to secure long hair.

6. Safety equipment must be used. When operating the Quik-Split machine, protective strike-resistant certified goggles, earplugs, working gloves and boots should be worn. (see page 2)

7. Maintain the Quick-Split machine and tools with care. Follow the instructions for lubricating, cleaning and parts replacement. Keep handles clean, dry and free from oil and grease.

8. STAY ALERT! Look at what you are doing. Keep your judgement. Do not operate when you’re tired.

9. Check all parts. Before using the Quik-Split machine, any damaged part should be carefully checked to determine that it will operate properly and perform its intended function. Check all fasteners and tighten as necessary. Any damaged parts should be repaired or replaced by a qualified technician.

10. Only genuine Quik-Split accessories and parts can be used as replacements. Using accessories and parts other than those recommended may cause the quality guarantee to be invalid.

11. Do not operate the machine if intoxicated with alcohol or drugs. If you’re taking prescribed drugs, make sure your judgement and reactions are unaffected. If there is any doubt about this do not operate the Quik-Split machine.

12. MAINTENANCE. For your own safety, the care and maintenance of the Quik-Split should be on a regular basis.

13. WARNING! When operating, all persons apart from operator, should keep at least 5m away from the Quik-Split machine, to avoid injuries by wood or debris. Only one operator is allowed to operate the machine at any one time.

14. CAPACITY. Do not try to split wood more than the specified size. If the wood can’t be split, take the wood out from the machine and cut it into smaller sizes or split it by other means.

15. This machine can only be used to split wood. Splitting other material or using the Quick-Split machine in other ways may cause injuries or damage to property and invalidate any guarantee.

16. Care should be taken placing and removing logs from the log splitter as the splitting wedge has a sharp edge.

17. Always place the logs centrally on the cutting area. Hint: Logs split easier if the narrower diameter (towards top of tree) is nearest the splitting wedge.

18. ATTENTION: the warnings, alerts and instructions in this manual cannot cover all situations. The operator must have basic common sense and caution at all times.

19. ATTENTION: do not leave the Quik-Split running unattended.

20. Use of a residual current device is recommended.
Remove the Quicksplit 7 from the packaging - the unit is heavy so a 2 person lift is recommended. The unit can be manoeuvred using the wheels by lifting the handle at opposite end. For transportation a 2 person lift is essential.

The Front Support is temporarily attached to the chassis in a rotated position whilst in packaging. Remove fixings and re-attach the Front Support in the position shown.

Attach the operating levers to the arms using the 4 bolts, washers and nuts supplied. Ensure the fixings are tight before use.
Transport the machine to a designated work place on flat, even ground. For best operation the Front Support should be fixed to the ground to ensure stability.

The Operating Handle should be in the starting position 1 and the other operating handle in position 2. Check all moving parts are attached and fixed securely. Please check your Quik-Split device and contact your supplier immediately if any parts are incomplete or if you are unsure.

Controls and main features

When placing your log onto the Quik-Split machine, ensure it is positioned length-ways and not horizontally and aligned centrally with the splitting wedge.
**IMPORTANT OPERATING PROCEDURE**

**TO SPLIT**

**LEVER 1 THEN 2**

**AND HOLD**

**DO NOT LET GO!**

**RETRACTING THE RAM**

**3 THEN 4**

**DO NOT RELEASE LEVERS UNTIL RAM IS FULLY RETRACTED!**
Ensure unit is on a flat and stable surface prior to operation. If possible, peg/retain the front support foot. Maintain a clear area free from obstructions including split and un-split logs.

Operator position is at the back of the unit behind the motor. Before use, familiarise yourself with the operating sequence by practicing without logs.

You will soon get used to the rhythm of 1 - 2 to split and 3 - 4 to return the ram to the start position.

Open the Emergency Cut off switch cap and start the motor by pressing the green start button. The machine is turned off by pressing the red button/emergency button.

The Quik-Split machine features a reset button. The electrical system will automatically cut-out if overloaded due to excessive power being used. If the system has tripped, ensure the unit is free from obstructions and press the reset button to continue and restart the motor by pressing the green start button. It may take a minute for the system to reset.

Use one hand to pull handle 1 to the back as far as possible. Continue to pull back firmly in case of kick-back.

Next, use the other hand to push handle 2 to the front. Continue to push firmly in case of kick-back.

This will operate the ram, moving it forward to split the log.

To retract ram use sequence 3 then 4.

DO NOT LET GO OF HANDLES TO RETRACT RAM.

IF LOG IS SPLIT
and ram is returned to start position correctly, remove split pieces carefully and repeat operation for next log.

IF LOG IS SPLIT
but ram does not fully return, clean and clear the surface below the ram from debris.

IF LOG IS NOT SPLIT
a second attempt can be made but ensure the ram fully returns first.

IF LOG IS STUCK ON THE SPLITTING WEDGE
follow instructions on page 8.
What to do if a log gets stuck:  
If a log happens to get stuck on the cutting wedge - it is important to firstly return the handles to their starting position - first handle 1, then handle 2 - to ensure the ram retracts fully to the start position.

Next, to free the log, give it a sharp knock with a hammer away from the cutting wedge to clear it.

If attempting to cut hard or knotty woods then the handles may try and kick-back.  
If the machine continues to kick-back each time and you cannot hold the handles in the cutting position, then you should move handles at 3 & 4 movement as on page 6 to retract the ram.

Whilst occasional repeat hits of a piece of wood are fine if the handles are held firmly, continuous kick-backs can cause rubbing between the rack and pinion which will result in unnecessary and premature wear that is not covered by warranty.

Any pieces of wood that are causing the machine to kick-back should be split using a different method.

Tests have shown that most wood in the UK can be cut satisfactorily, but some hardwoods such as Apple wood can only typically be cut in small sections. With regular use you will get to know the limitations of the machine, it is essential to work within them for a trouble free service.
Excessive force will cause the trip switch to operate, protecting the motor from damage. After a short period, usually less than a minute, the trip can be rest by pressing. The unit can then be restarted with the green switch as normal.

DISCONNECT POWER SUPPLY BEFORE ATTEMPTING TO REMOVE STUCK LOGS OR ANY ISSUES WITH RAM POSITION AFTER ENCOUNTERING PROBLEMS

EC Declaration of Conformity

Portek Ltd, Bryn Hall, Knolton Bryn, Overton on Dee, Wrexham, LL13 0LF declare that, in accordance to the following directives,

2006/42/EC (Machinery Directive)
2004/108/EC (EMC Directive)

the “QuikSplit 7” has been designed to comply with the relevant sections of the below BS EN ISO standards:-

12100-2: 2003
14121-1: 2007
13857: 2008
BS EN 609-1:2017

The unit complies with all applicable Essential Requirements of the Directives.

Declaration made by Stephen Morris, Designer on 18/01/2017.
Please contact Portek Ltd for spare parts availability. Any attempt to repair or indication of the guards having been removed to repair will invalidate the warranty. Contact Portek in the first instance if a problem occurs.
Adjustment of Quik-Split

If your Quik-Split does not cut when the levers are held firmly in the operating position then there are 2 possible causes.

A) The gear mechanism may need adjustment. This can be checked by the following method:-

1. Ensure the unit is unplugged from the power supply.
2. Detach the main return spring from under the machine, removing it from the eyebolt on the back leg.
3. Remove the top cover guard by undoing the screws holding it to the side guards.
4. Slide the ram assembly forward by hand to its furthest extent, so it nearly touches the cutting blade. Be careful to avoid getting hands close to cutting blade to avoid cutting hazard.
5. Push both operating handles to the “on” position and hold them in place. They should both be resting against the limiting bolts as in the photo.
6. With the handles against the limit bolts press the back end of the ram pinion vertically down. This tests the gap between the gears and should be minimal. Press up and release a few times to assess how much movement is present. If there is more than 1mm then the limit bolts need adjusting.
7. Adjust both of the limit bolts by an equal amount so that when the above test is repeated only about 1mm of movement is present.
8. Lock the adjusting bolts firmly.
9. Reassemble, ensuring all guards are secured and all bolts and screws are tight.

B) The belt may be slipping. This can be checked by the following method:-

1. Ensure the unit is unplugged from the power supply.
2. Remove the side cover guard by undoing the screws holding it to the top guard and main chassis.
3. The belt should be adjusted so there is approximately 20mm total movement. The motor position can be altered to tighten the belt by unlocking the 4 bolts on its feet. The motor is moved back by tightening the bolt at the back of the motor that attaches to the chassis. When the belt is sufficiently tight ensure that the motor is square to the chassis and tighten the bolts on the motor footplate.
4. Reassemble, ensuring all guards are secured and all bolts and screws are tight.
Wipe down & clean the machine before storing in a dry, safe place.

1. Every time before use, check all the nuts and bolts have been fastened, ensure the machine is in good condition before using.

2. During use, the area beneath the ram can accumulate debris and splinters which can prevent the ram returning fully to the start position. Keep this area clear from debris to ensure correct operation.

3. A build up of debris can occur under the carriage where the bearings run. Keep this part of the machine clean.

4. Lubricate the surface of beam, the meshing part of rack and rack gear with light machine oil weekly or every 30 hours. For other metal parts, use a little oil to prevent rust.

**Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Size</td>
<td>107 x 32 x 57cm</td>
</tr>
<tr>
<td>Power / Voltage</td>
<td>1.5 KW / 220-240volt</td>
</tr>
<tr>
<td>Log Capacity</td>
<td>Max Length: 380mm Max Diameter: 300mm</td>
</tr>
<tr>
<td>Max. splitting force</td>
<td>7 Ton</td>
</tr>
<tr>
<td>Nett weight</td>
<td>62.5 Kg</td>
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