

## Process timber using large loader-fed machinery

**Overview**

This standard is about processing timber using large loader-fed machinery.

This standard is applicable to those working with the following types of loader-fed machinery to process timber into a wide range of products. Examples include large tracked, self-propelled or tractor-mounted wood chippers, trailed or vehicle-mounted shredders, horizontal grinders or tub grinders. The end use of the product will be for fuel, mulch, surfacing or another large-volume product.

When working with machinery you need to be appropriately trained, and hold current certification where required, in line with relevant legislation.

Your work must conform to all relevant legislation and codes of practice when carrying out this work.

This standard is only suitable for those who are already competent to operate a base machine with attachments.

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### Performance criteria

You must be able to:

1. assess the risks associated with the site and the proposed work
2. select and implement the appropriate working methods, in accordance with the assessed risks
3. select and use the appropriate personal protective equipment (PPE) for the work
4. select, prepare and use the appropriate tools and equipment, safely and effectively in line with the manufacturer's recommendations
5. the legal requirements for checking equipment
6. confirm all equipment has been checked and is fit for purpose
7. maintain the security of machinery and equipment on site
8. plan the work and the work site and maintain safe working areas to operate the large loader fed timber processing machinery safely and efficiently, in accordance with the site and specification
9. manoeuvre or direct the manoeuvring of the machinery into its working position and set the in-feed and discharge equipment
10. load the processing machine with the timber product to be processed
11. operate the large loader-fed machine to process the timber, according to the specification
12. monitor in-feed and discharge equipment and devices for debris, blockages and the free flow of materials, as appropriate
13. contain processed timber safely during operations
14. carry out the shut-down procedure, as appropriate to the machine
15. follow environmental good practice as set by your organisation and the industry, and minimise environmental damage
16. ensure the site is left in a condition which meets environmental requirements, in accordance with the specification
17. maintain the health and safety of yourself and others at all times, in accordance with relevant legislation

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**Knowledge and understanding**

You need to know and understand:

1. how to identify hazards and assess risks
2. how to interpret risk assessments
3. the selection, use and care of personal protective equipment (PPE)
4. site procedures including communication systems and emergency planning
5. the types of tools and equipment required and how to maintain and use these safely and effectively
6. why it is important to maintain the safety and security of equipment and vehicles on site
7. the current guidelines on machinery operation, risk zones and safety clearances from overhead electricity conductors, working at height and what to do in the event of contact with power lines
8. the different types of machines available and their method of operation and processing
9. the indications of normal and abnormal machine function and the appropriate action to take
10. the methods of feeding the large loader fed machine and the techniques and safeguards necessary
11. the capabilities and limitations of the machine used in relation to a range of sites and timber to be processed
12. the implications of processing long logs, poles or tree length timber on operation of the machine
13. how to unblock in-feed and discharge equipment and machinery and the safeguards necessary when dealing with raised equipment
14. the emergency stop procedure for the machine
15. safe working distances between machines when working in close proximity to other machines
16. the safety and environmental considerations of stock-piling large quantities of products such as woodchip
17. the potential impact of your work on the environment and how this can be minimised
18. your responsibilities under relevant environmental and health and safety legislation and codes of practice

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### Scope/range

Use one or more of the following:

- large tracked, self-propelled or tractor-mounted wood chippers
- trailed or vehicle-mounted shredders
- horizontal grinders or tub grinders

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[Links to other NOS](#) LANTw79

## Process timber using large loader-fed machinery

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