

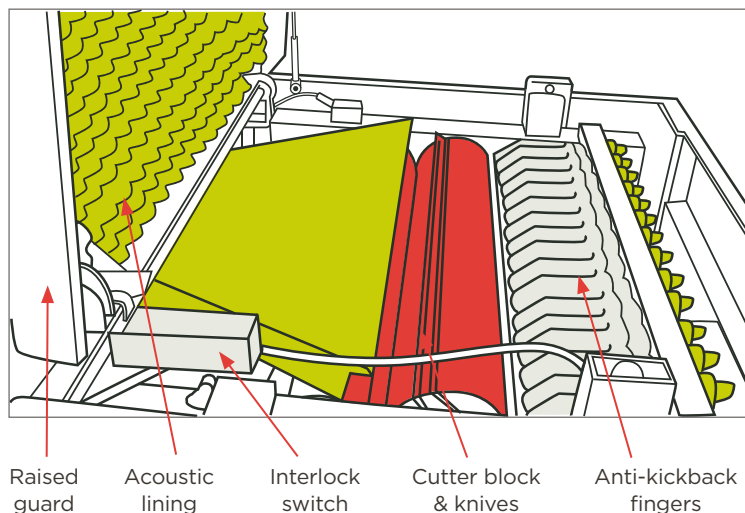
FACT SHEET

THICKNESSERS (SURFACERS & THICKNESSERS, UNDER AND OVER PLANERS)

Thickening machines are mainly used on timber that has already been straightened on a surface planer.

Timber is fed into the machine under anti-kickback fingers to a power-driven feed roller that presses timber down on to the table and passes it under knives in the cutter block.

FIGURE 1: THICKENING MACHINE



HAZARDS:

- > Contact or impact from thrown timber
- > Contact with cutters
- > Entanglement from contact with roller
- > Noise
- > Dust
- > Slips, trips and falls
- > Contact with exposed blades and moving parts (during maintenance, cleaning & repairs)

PPE:



TASK - FEED TIMBER INTO MACHINE

Hazard

Contact or impact from thrown timber



Harm

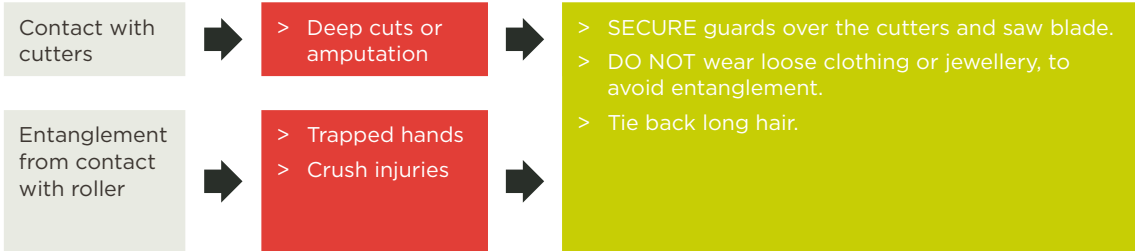
- > Bruising
- > Fractures



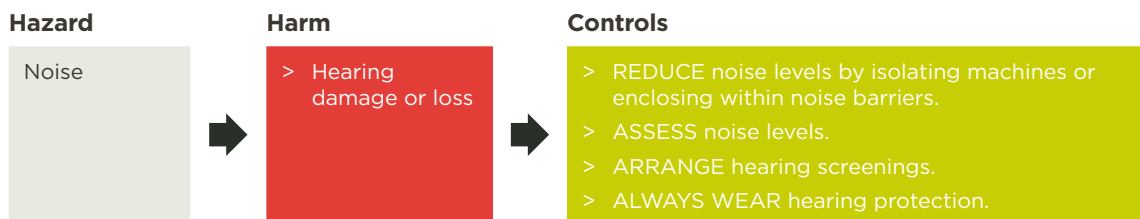
Controls

- > KEEP anti-kickback fingers sharp, clear of wood waste, and secured by a stop bar.
- > POSITION the thickener to prevent timber hitting people.

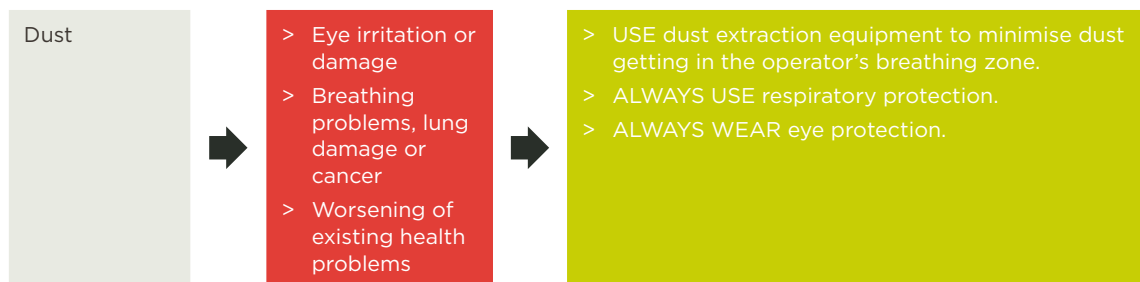
Timber may be thrown from the cutters becoming a projectile, especially when a thinner piece of timber is presented to the cutters between two thicker pieces (difference in thickness may be too small to detect).



OTHER (NON-MECHANICAL) HAZARDS



A safe noise level over an eight hour day is 85dB(A). A thicknesser may exceed this noise intensity.



TASK - MAINTENANCE, CLEANING & REPAIRS

Hazard	Harm	Controls
Contact with exposed blades	> Deep cuts and amputation	> LOCK-OFF all power supplies before maintenance, cleaning and repairs. > KEEP anti-kickback fingers sharp and clear of wood. > KEEP written safety procedures, and arrange regular inspections by a competent person. > REMOVE or LOCK-OUT thicknessers that fail inspection, and DO NOT USE until repaired or replaced.
Contact, impact or entanglement from moving parts	> Trapped hands > Crush injuries > Bruising > Fractures > Cuts	

Cutters may have overrun time after the power is turned off.

FIGURE 2: THIN TIMBER BEING FED INTO THICKNESSER

Note use of baseboard under thin timber

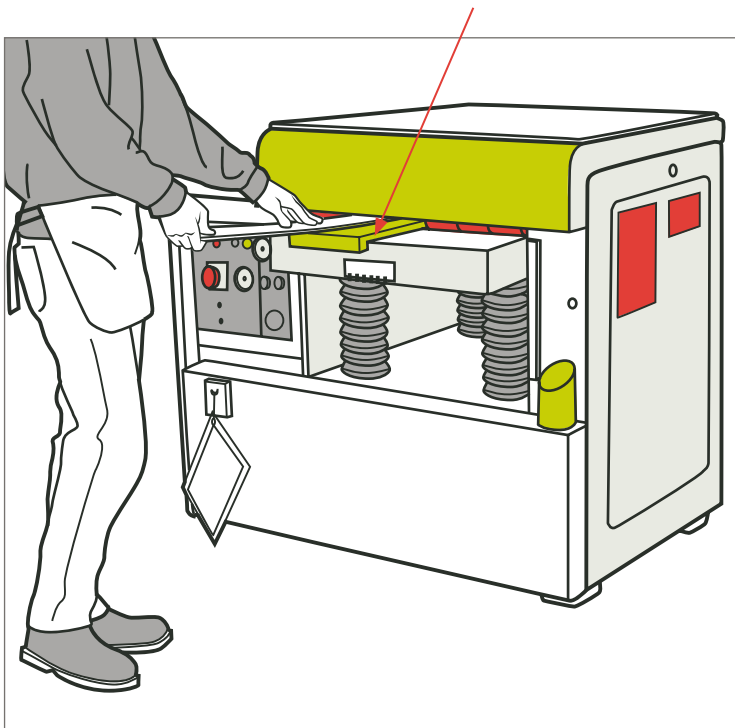
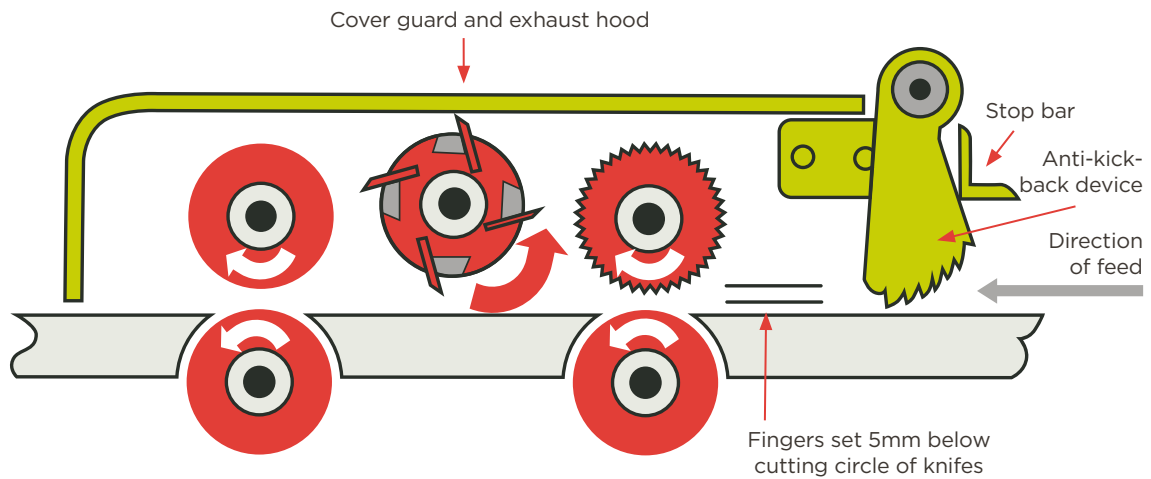


FIGURE 3: SIDE VIEW OF FEED ROLLERS, CUTTERS AND ANTI-KICKBACK DEVICE



References, current standards and further information can be found on the Safe Use of Machinery project page at: www.worksafe.govt.nz

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