

STANDARD OPERATING PROCEDURES

Compound Miter Saw

DO NOT use this machine unless you have received authorization from the Shop Coordinator



Safety glasses must be worn at all times.



Sturdy closed-toe footwear must be worn at all times in work areas.



Hearing protection must be used.



Long and loose hair must be contained.



Close fitting/protective clothing must be worn. Roll up long sleeves.



Rings and jewelry must not be worn.

Potential Hazards and Injuries

- ⚠ Contacting moving blade (cuts / amputations).
- ⚠ Saw blade may grab and "kick back" toward operator (blunt force injuries).
- ⚠ Noise (hearing damage).
- ⚠ Flying chips and dust (eye/ respiratory).

Pre-Operational Safety Checks

- ✓ Locate and ensure you are familiar with all machine operations and controls.
- ✓ Ensure all guards and anti-kickback device are fitted, secure and functional. Do not operate if guards are missing or faulty.
- ✓ Ensure the saw is properly secured to a work table by bolts/clamps at approximately hip height.
- ✓ Check workspaces and walkways to ensure no slip/trip hazards are present.
- ✓ Start the dust extraction unit before using the machine.
- ✓ Unplug and lock-out machine before attempting any maintenance.

Safe Practices During Operation

- ✓ Keep hands away from the blade and cutting area.
- ✓ Ensure all adjustments are secure before making a cut.
- ✓ Use clamps to secure and support the workpiece to the fence.
- ✓ Before turning on the saw, perform a dry run of the cutting operation to ensure no problems will occur when the cut is made.
- ✓ Turn on the saw and allow the saw blade to reach maximum speed before making a cut.

- ✓ Avoid reaching over the saw line. Do not cross arms when cutting.
- ✓ When pulling the saw with the right hand, keep the left hand, especially the thumb, well clear of the line of cut.
- ✓ After finishing the cut, release the switch, hold the saw arm down and wait for blade to stop before removing work or off-cut piece.
- ✓ Before making adjustments switch off the saw, bring the machine to a complete standstill then disconnect the plug from the power source.

Ending Operations and Cleaning Up

- ✓ Switch off the machine and wait for it to completely stop.
- ✓ Ensure blade guard is reset to a fully cover the bottom portion of the blade.
- ✓ Leave the machine in a safe, clean and tidy state.

DON'T

- ⊗ Do not use faulty equipment. Immediately report suspect machinery.
- ⊗ Do not exceed the maximum cut for the machine/blade.
- ⊗ Do not cut more than one workpiece at a time.
- ⊗ Do not start the saw with the blade touching the workpiece. Allow the blade to reach full speed first.
- ⊗ Do not cut branches dowels or wood embedded with nails or screws.
- ⊗ Do not attempt to cut very small items.
- ⊗ Do not conduct ripping operations (cut along the grain).
- ⊗ Do not leave the machine running unattended.
- ⊗ Do not cut ferrous or non-ferrous material.

SOP must be used in conjunction with an effective training program