

The 12-inch Compound Miter Saw is a powerful, but precise tool used to for quick, accurate crosscuts of workpieces to proper lengths & cut a square END. Also cut angles, miters, bevels, and section up rough lumber into manageable pieces. Cut pieces should be 'proud' i.e. 1/4-inch to 1/2-inch of desired length. This may be used to make square and/or angled crosscuts on wide pieces of surfaced lumber, composite materials or plywood. The Compound Miter Saw also used to cut compound angles.  
 The Compound Miter Saw is **never used for ripping** operations.

		Bullet Points	Explain & Demonstrate
<b>COMPONENTS</b> Naming components now will ensure greater understanding of	<b>SAFETY SWITCH</b> [ Fuse box ]		<b>UP</b> = Power <b>On</b> . <b>Down</b> = Power <b>OFF</b> .
	<b>POWER SWITCH</b>		In handle grip. Pull with index finger toward operator.
	<b>MAIN HANDLE</b>		Lock Release Grip on Handle - releases spring return. POWER ON. Thumb press on right of handle.
	<b>BLADE</b>		Blade rotates toward the operator. Pulls workpiece toward Fence. Handle, pull out - toward operator push toward fence or pull DOWN if set in a fixed position.. <b>Hold blade DOWN after cutting. Raising blade may cause kickback.</b> The blade has a return assist spring mechanism. Adjustable. Zero to 45 degrees, LEFT & Right. Various Locks for adjustments..
	<b>BLADE GUARD</b>		Permanent. Must not be adjusted or removed. Upper guard - Stationary Lower Guard rises over workpiece.
	<b>TABLE</b>		Aluminum.
	<b>FENCE</b>		On LEFT & Right sides of blade. Adjustable. Clearance should be close to blade. Adjust fence opening when making compound cuts.. Hold workpiece firmly against fence or use the adjustable clamp.
	<b>DUST PORT</b>		Dust scoop' - behind the blade. Gate ALWAYS OPEN.

<b>SAFETY</b>		<p>Secure the area.                  Keep thumbs away from the Blade.                  Grip Handle. Pull out - over the workpiece without power.                  Start the motor; press the blade down &amp; push the blade through the workpiece.                  Hold blade down - <b>Power OFF</b>. Raising blade may cause kickback.                  Place a sacrificial board for small workpieces.</p>
<b>Teaching Steps</b>	<i>Plan. Prepare. Measure. Mark.</i>	Prepare cuts before turning power on.
	<b>Teaching Steps:</b>	<p>Placement of hands in relation to the blade.                  Adjust the fence opening near the blade.                  Adjust fence when cutting angles or bevels.                  Pull blade toward you.                  Hold blade DOWN after cutting. Raising blade may cause kickback.                  Release handle safety</p>
	<b>Participants</b>	<p>Use handle - with sliding safety - to start the Compound Miter saw <b>On</b>.                  Draw the blade across the 12-inch width board slowly &amp; firmly.                  Do not raise blade until it comes to a complete stop. <b>OFF</b>.                  Raise the blade. Return to STOP POSITION.                  Remove grip from handle.                  Turn Power <b>OFF</b>.</p>
	<b>REVIEW LESSON HIGHLIGHTS</b>	<p>May be used for crosscutting rough or finished lumber, plywood and composite materials.                  NEVER FOR RIPPING OPERATIONS.</p>