



# Combination Belt/Disc & Edge Belt Sanders

These sanders are for surface or edge sanding of nonmetallic materials only. Both machines may be used for many types of rough, end grain sanding and simple shaping. The combination belt/disc sander is configured with a sanding disc and belt and some may be individual units. The Edge belt sander will typically have only a belt but may oscillate vertically and have one or more worktables attached. The safety concepts presented are the same for any size machine.

## **Start with a Risk Assessment to ensure a safe work area:**

1. Always wear safety glasses with side shields or safety goggles while operating this machine.
2. A sanding disc or belt will cut very quickly, failure to anticipate this may cause injury to the finger and hands.
3. Precautions should be taken for loose hair, clothing, jewelry and other items so that they are NOT caught in the machine.
4. Sanding on wood or plastic will cause heat buildup due to friction and may cause the wood to burn rapidly.
5. All power driven sanders can cause serious abrasive skin burns with incorrect use or from accidental contact with the abrasive belt.
6. A dust collector may be connected to the unit, but a filtering face piece mask is also recommended for those with respiratory issues.
7. Check the integrity of the sanding belt tracking of the machine as well as the integrity of the disc. Any ripped belts or discs should be reported to the shop foreman.
8. Do not wear gloves while operating the sander.
9. Allow the machine to reach full speed before feeding material. Similarly, it takes time for the disc or belt to stop moving. There is no way to stop the machine on short notice.

## **Operational Safety Rules:**

1. Approach your work in the KCWG Shop and on the Combination Belt/Disc Sander or Edge Belt Sander with a safe attitude!
2. Ensure that the gap between the sander's table and the moving disc or belt is kept as small as possible.
3. The distance between your fingertips and the moving disc or belt shall be no closer than 3".
4. Do not sand pieces of material that are too small to be safely supported.
5. Always hold the work firmly when sanding.
6. Use the backstop, fence, table or other supports when sanding.
7. Always hold the work firmly on the downward rotation side of the table when sanding with the disc.
8. Avoid awkward hand positions where a sudden slip could cause a hand to move into the sanding belt or disc.
9. Do not sand with the work piece unsupported. Support the work piece with the backstop or table.
10. Always remove scrap pieces and other objects from the table, backstop or belt before turning the machine on.
11. Do not push hard on the sanding media. The sander performs best and safest when it is allowed to remove material at the rate for which it was designed.
12. Never make belt adjustments while the sander is on.
13. Always turn the machine off and disconnect the power cord before installing or removing belts or discs or when making repairs.
14. Never leave the machine work area when the machine is running or before the machine has come to a complete stop.
15. Shut off power, clean the sander and work area before leaving the area.