

Tool Testing, Band Saw

Tool Anatomy

- Parts of the Band Saw are identified properly.
 - Blade guard height adjuster
 - Blade guard
 - Blade guide
 - Blade guard lock
 - Stop, start buttons
 - Fence

Pre-Operation

- Safety precautions are followed - safety glasses, proper clothing, work area cleared, etc.
- Stock is checked for issues/problems
- Blade guard height is adjusted to proper level for the job at hand
 - The blade height is locked after adjustment

Operation

- Dust collector is used properly
- Proper body position
- Proper push aid(s) are used
- Straight cut is made properly
- Curved cut is made properly
- Fence is used properly

Post-Operation

- Work area is cleaned - scraps go to scrap bin and work area is swept or vacuumed
- Push aids are returned to their proper locations

Lockout/Tagout Procedure

- Tool unplugged and plug wrapped in safe/visible location, barrel covers and locks, tag filled out and posted, front desk notified.

Tool Testing, Table Saw

Tool Anatomy

- Parts of the SawStop table saw are properly identified

Pre-Operation

- Safety precautions are followed - safety glasses, proper clothing, work area cleared, etc.
- Stock is checked for issues/problems
- Saw blade is adjusted properly (height and angle)
- Outfeed table is prepared, if needed
- Proper push aids are identified and available
- Blast gate checked, opened

Operation

- Understanding of system power and mechanical power, E-Stop
- Dust collector is used properly
- Proper body position
- Blade height set correctly for material
- Fence set properly, correct use of measuring slide
- Straight ripping done properly, push aids and fence used properly
- Cross cutting done properly, push aids and fence used properly

Post-Operation

- Work area is cleaned
- Push aids, feather board and other accessories are returned to their proper locations
- Table saw properly reset for the next user

Lockout/Tagout Procedure

- Tool unplugged and plug wrapped in safe/visible location, barrel covers and locks, tag filled out and posted, front desk notified

Tool Testing, Jointer

Tool Anatomy

- Parts of the jointer are properly identified
- Knowledge of key material terms “edge” and “face”

Pre-Operation

- Safety precautions are followed - safety glasses, proper clothing, work area cleared, etc.
- Stock is checked for issues/problems
- Proper push aids are selected
- Blast gates checked, opened

Operation

- Dust collector is used properly
- Proper body position
- Infeed table is adjusted properly
- Fence depth is set properly
- Material is fed properly
- Adjust infeed table and fence
- Proper use of engineer’s square

Post-Operation

- Work area is cleaned

Lockout/Tagout Procedure

- Tool unplugged and plug wrapped in safe/visible location, barrel covers and locks, tag filled out and posted, front desk notified.

Tool Testing, Thickness Planer

Tool Anatomy

- Parts of the planer are properly identified

Pre-Operation

- Safety precautions are followed - safety glasses, proper clothing, work area cleared, etc.
- Dust collection checked ie blast gate open
- Stock is checked for issues/problems

Operation

- Dust collector is used properly
- Proper body position
- Micrometer is used correctly to measure material thickness
- Table height is adjusted properly, fraction-to-decimals understood
- Material is fed properly ie fingers kept clear of infeed and outfeed
- Understand the cutting depth limit as per the manufacturer (1/16" per pass maximum)

Post-Operation

- Work area is cleaned

Lockout/Tagout Procedure

- Tool unplugged and plug wrapped in safe/visible location, barrel covers and locks, tag filled out and posted, front desk notified.

Tool Testing, Sliding Miter Saw

Tool Anatomy

- Parts of the Miter Saw are identified properly.
 - Miter table
 - Fence
 - Work clamp
 - Slide lock knob
 - Trigger switch
 - Laser light switch
 - Bevel Lock Lever
 - Miter lock level

Pre-Operation

- Safety precautions are followed - safety glasses, proper clothing, work area cleared, etc.
- Equipment Check ie extension supports are adjusted properly

Operation

- Dust collector is used properly
- Proper body position
- Work is held or clamped properly
- Straight cut is performed properly
- Miter cut is performed properly

Post-Operation

- Work area is cleaned - scraps go to scrap bin and work area is swept or vacuumed

Lockout/Tagout Procedure

- Tool unplugged and plug wrapped in safe/visible location, barrel covers and locks, tag filled out and posted, front desk notified.