

Safe Work Procedure

Cutting and Machining FRP Pressure Plates

Tools/Equipment Required: Band Saw, Drill Press, Milling Machine, HEPA Filter Vacuum

Materials Required: FRP Pressure Plates

Steps:

1. Operator shall wear required personal protective equipment (PPE) including Steel Toe boots, Safety Glasses, Gloves
2. When working with FRP it is recommended to wear long sleeves or coveralls
3. Inspect the material for damage and cracks prior to work
4. Refer to Band Saw SWP for set up
5. Load material into band saw bench and align to premeasured marks
6. Turn on saw and ensure fluid is running prior to engaging cut
7. Once cut has been made, stop saw and remove off-cut
8. When drilling or milling FRP, a vacuum hood will be installed to the drill press or milling machine
9. Ensure the hood and HEPA filter equipped vacuum are hooked up and tested for operation
10. Refer to the Drill Press and Milling machine SWP's for set up
11. Once the machine is ready, the work piece can be aligned to the cutting head or drill bit
12. With the vacuum running, engage the work piece
13. Once the drilling or milling is complete, turn off the machine and turn off the vacuum
14. Regular clean-up will be done at regular intervals, with the HEPA vacuum only, throughout the procedure, to avoid excess build up.
15. Clean up must be done at the end of the procedure so no shavings are left behind
16. NEVER use a broom or your hands to clean up the shavings, the HEPA vacuum must be used each time