

DC-250

EXTREMA MACHINERY COMPANY, INC.

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GENERAL SAFETY RULES

There is a certain amount of hazard involved with the use of woodworking machinery. Using the machine with the respect and caution demanded as far as safety precautions are concerned with considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or ignored, severe personal injury to the operator can occur.

1. Read the operation manual before operating this machine.
2. If you are not thoroughly familiar with the machine operation, obtain advice from a supervisor or other qualified person.
3. Make sure the dust collector is to be used in a dry indoor area.
4. Only qualified personnel with proper lifting equipment should install the dust collector. Never stand under or near cyclone while it is being lifted.
5. Install the dust collector in an area that is free from heavy equipment traffic to eliminate the possibility of damaging the dust collector or knocking it over causing it to fall and cause injuries.
6. The cyclone dust collector should be securely attached to the wood or concrete floor to prevent tipping over.
7. The machine should be disconnected from the power source before performing maintenance or adjustments to the internal mechanisms, or when making repairs.
8. After maintenance job is finished, check to see if there are any tools or objects left on the machine. Close all safety guards.
9. Before leaving the machine, make sure the work area is clean.
10. Wood waste dust should be emptied everyday and not left to sit in collector's container overnight.
11. Learn the machine's applications and limitations, as well as the specific potential hazards peculiar to it. Keep the machine in top condition for best and safest performance.
12. Keep all guards in place and in working order.
13. Do not force the machine. It will do the job better and be safer working at the rate for which it was designed.
14. All children and visitors should be kept a safe distance from the working area.
15. The operator should keep proper footing and balance at all times.
16. Do not operate the machine while under the influence of drugs, alcohol, or any other medication.
17. Avoid awkward operations and hand positions where a sudden slip could cause your hand to more into the machine.
18. Never leave the machine until it comes to a complete stop, and never leave the machine running unattended.
19. The employer is responsible for selecting competent and qualified employees.
20. The employer must make sure that employees study and utilize this safety information.
21. Supervisors must alert personnel of any unsafe practices they observe.
22. All employees should be aware of first aid facilities and be encouraged to use them, regardless of the severity of the injury.
23. Fire prevention must be practiced and fire protection must be available to prevent loss of life, personal injury, and property damage.
24. All dust collection piping should be properly grounded to prevent static build up and reduce fire hazard.
25. Safety shoes should be worn to provide protection against rolling objects, falling objects, and sharp edges in the workplace.

26. Eye protection should be worn and such devices should be carefully selected, fitted and used. Compulsory wearing of glasses with impact resistant lenses and side shields is a good safety policy. All eye protection should conform to ANSI 87 standards.
27. Wear hearing protection when operating the machine.
28. Proper respiratory protection should be worn when working around dust particles.
29. Do not wear gloves or other hand covering articles around moving machinery.
30. Cover long hair with a hair net or cap.
31. Protective guards and shields must be in place at all times unless they must be removed for specific service or maintenance. They should be immediately replaced when service or maintenance is completed.
32. Make sure that operator clearly knows how to stop the machine before starting work.
33. Never clean or remove chips while the machine is running.
34. Maintain the machine in good operating condition. Report unusual conditions or machine malfunctions immediately.
35. Do not alter or remove guards and warning labels.
36. Keep the immediate area clean. Do not allow the floor to become slippery, or covered with dust or obstacles. Dust that accumulates in the work area is a hazard that can cause you to fall or slip against the machine or its controls.
37. Employees should be required to report to their supervisors any hazardous condition of the machine or in the immediate area.
38. Make sure machine is equipped with the latest safety warning labels yearly. The latest copies of any safety labels will be provided at no charge by Extrema.

SHIPPING & RECEIVING INSTRUCTIONS

This machine has been carefully inspected and tested before packing. It was delivered in good condition and was shipped in one wooden pallet.

When receiving this machine, inspect the wooden pallet and check to see if there is any damage. Then check the machine model and all items as according to the packing list.

If there is any damage on the machine or any missing parts, mark it on the delivery bill of lading, report it to your local distributor, the shipping company, and the machine manufacturer immediately.

UNPACKING & CHECKING CONTENTS

The machine has been well packed at the manufacturer's factory and shipped in good condition. The machine is shipped on one wooden pallet.

Upon receiving the machine, carefully unpack it and check all items as according to the packing list.

If you find any part is missed or damaged, mark it on the delivery bill of lading, report it to your local distributor, the shipping company, and the machine manufacturer immediately.

LIFTING THE MACHINE

The machine should be lifted or moved by a forklift. Make sure the loading capacity of the forklift is sufficient to raise the machine. Pay special attention to the machine balance while lifting the machine to prevent the machine from falling. The forks of the forklift must protrude over the machine bottom for uniform distribution of the entire machine weight. See safety instructions attached to the machine packing, the Extrema website, or call Extrema for a copy of instructions.

ELECTRICAL SAFETY RULES

1. Do not alter or bypass any protective interlock.
2. Before starting the machine, read and observe all warning labels and markings such as nameplates and identification plates.
3. Only personnel who are properly trained and have adequate knowledge and skill should undertake all electrical/electronic troubleshooting and repair.
4. Use extra precautions in damp areas to prevent yourself from accidental grounding.
5. Make sure your body and your tools are clear of electrical grounding.
6. the control panel doors should be opened only when it is necessary to check the electrical equipment or electrical wiring.
7. Before applying power to any equipment, establish without a doubt that all persons are clear.
8. Be alert and be sure you can work with no outside distractions.
9. Avoid wearing metal frame glasses or wearing a metallic necklace or chain, and never work on electrical equipment while wearing rings, watches, or bracelets.
10. When replacing conductors, make sure they conform to the manufacturer's specifications, including proper color-coding.
11. Do not alter the electrical circuits. If machine damage is caused by an unauthorized alteration, the user is responsible, not the manufacturer.
12. Always assume the electrical power is ON and treat circuit as live. This caution develops a habit that may prevent an accident.
13. Give capacitors time to discharge. Otherwise it should be done manually with care.
14. Use proper test equipment to make certain you have an open circuit. Test equipment must be checked and calibrated at regular intervals.
15. Open the control panel doors only when it is necessary to check the electrical equipment or wiring. After closing the door, make sure the disconnecting means are operating with the disconnecting handle mechanism in its proper position.
16. All covers on junction boxes must be closed before leaving any job.

ASSEMBLY STEP

1. Assemble the upper and lower supporting leg with connecting tube by using 4 hex head screws $5/16'' \times 1/2''$. (Fig 1)
2. Turn the reducing collector support frame upside down. Insert 3 pieces of supporting leg by using 6 hex head screws $5/16'' \times 1/2''$. (Fig 2)
3. Connect the supporting leg with stiffener by using 6 hex head screws $5/16'' \times 1/2''$ and nuts. (Fig 3)
4. Turn the main frame housing with motor upside down. Mount the main frame housing to the collector support frame with 4 hex head screws $5/16'' \times 1/2''$ and washers. (Fig 4)
5. Assemble the collector support frame with reducing collector support frame by 16 hex head screws $1/4'' \times 1''$ and nuts. Stand the unit upright. (Fig 5)
6. Fix the switch plate by using 2 hex head screws $1/4'' \times 3/4''$.
7. Mount the filter bag by using the belt clamp. Connect the hose with drum inlet cover with 2 8" hose clamps. Finally, this two-stage dust collector is complete. (Fig 7)

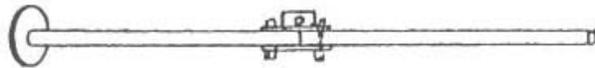


FIG. 1.

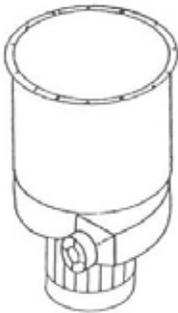


FIG. 4

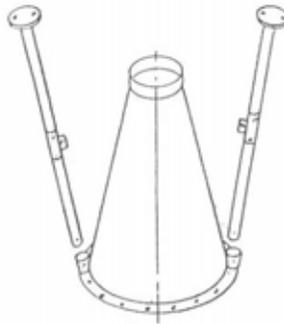


FIG. 2

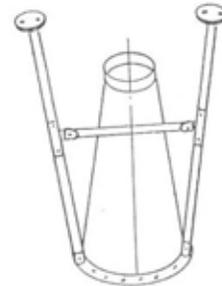


FIG. 3

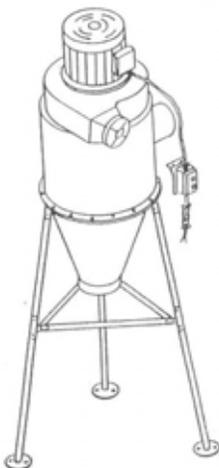


FIG. 5

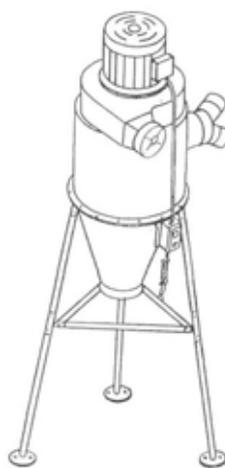


FIG. 6

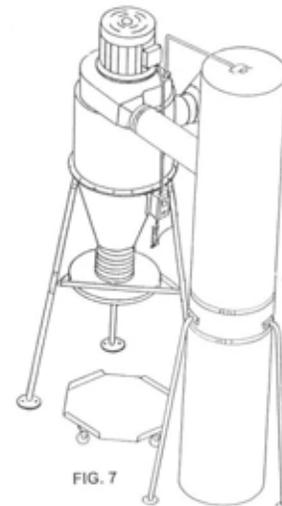


FIG. 7

PARTS LIST

No	Part Description	Qty
1	Upper Supporting Leg	3
2	Lower Supporting Leg	3
3	Connecting Tube	3
4	Stiffener	3
5	Hex. Head Screw 5/16" x 1/2"	30
6	Collector Support Frame	1
7	Reducing Collector Support Frame	1
8	Motor	1
9	Main Frame Housing	1
10	Hex. Head Screw 5/16" x 1"	4
11	Spring Washer 5/16"	4
12	Nut 5/16"	8
13	Hex. Flange Screw 1/4" x 1"	17
14	Nut 1/4"	17
15	Washer 5/16" x 23	4
16	Inlet	1
17	Belt Clamp 101	2
18	Impeller 12"	1
19	Hex. Head Screw 3/8" x 1/2"	1
20	Impeller Washer	1
21	Hex. Bolt M6 x 20	1
22	Inlet Cover	1
23	Round Head Screw 3/16" x 3/8"	12
24	Belt Clamp 50P	1
25	Collector Dia. 500 x 150mm	1
26	Filter Bag 101	1
27	Switch	1
28	Round Head Screw 3/16" x 3/4"	2
29	Power Cord	1
30	Motor Power Cord	1
31	Hose Clamp 8"	2
32	Hose 8"x 200mm	1
33	Drum Inlet Cover	1
34	Nut 5/16"	6
35	Switch Plate	1
36	PG Bushing	2
37	Hex. Wrench 5mm	1
38	Open End Wrench 10-12mm	1
39	Hanger	1
40	Nut 5/16"	2
41	Collector Supporter	3
42	Plastic Bag	1
43	Base	1
44	Caster 90c	4
45	Hex. Screw 3/16" x 3/8"	16
46	Washer 1/4" x 18	17

