

EJ-12



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 will 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. The machine should be disconnected from the power source before performing maintenance or adjustments to the internal mechanisms, or when making repairs.
4. After maintenance job is finished, check to see if there are any tools or objects left on the machine. Close all safety guards.
5. Before leaving the machine, make sure the work area is clean.
6. Check timber for loose knots, nails, or other items, which may cause a hazard or affect the machine's performance.
7. 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.
8. Keep all guards in place and in working order.
9. Do not force the machine. It will do the job better and be safer working at the rate for which it was designed.
10. All children and visitors should be kept a safe distance from the working area.
11. The operator should keep proper footing and balance at all times.
12. Do not operate the machine while under the influence of drugs, alcohol, or any other medication.
13. Avoid awkward operations and hand positions where a sudden slip could cause your hand to move into the cutterhead.
14. Never leave the machine until it comes to a complete stop, and never leave the machine running unattended.
15. The employer is responsible for selecting competent and qualified employees.
16. The employer must make sure that employees study and utilize this safety information.
17. Supervisors must alert personnel of any unsafe practices they observe.
18. All employees should be aware of first aid facilities and be encouraged to use them, regardless of the severity of the injury.
19. Fire prevention must be practiced and fire protection must be available to prevent loss of life, personal injury, and property damage.
20. Safety shoes should be worn to provide protection against rolling objects, falling objects, and sharp edges in the workplace.
21. 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.
22. Wear hearing protection when operating the machine.
23. Do not wear rings, necklaces or jewelry around moving machinery.
24. Do not wear loose fitting clothes. Clothing should be comfortable, but long sleeves, neckties, etc. should not be worn.
25. Do not wear gloves or other hand covering articles around moving machinery.
26. Cover long hair with a hair net or cap.

27. 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.
28. Make sure that operator clearly knows how to stop the machine before starting work.
29. Never clean or remove chips while the machine is running.
30. Maintain the machine in good operating condition. Report unusual conditions or machine malfunctions immediately.
31. Do not alter or remove guards and warning labels.
32. 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.
33. Employees should be required to report to their supervisors any hazardous condition of the machine or in the immediate area.

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.

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, report it to your local distributor or 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 in one wooden pallet.

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

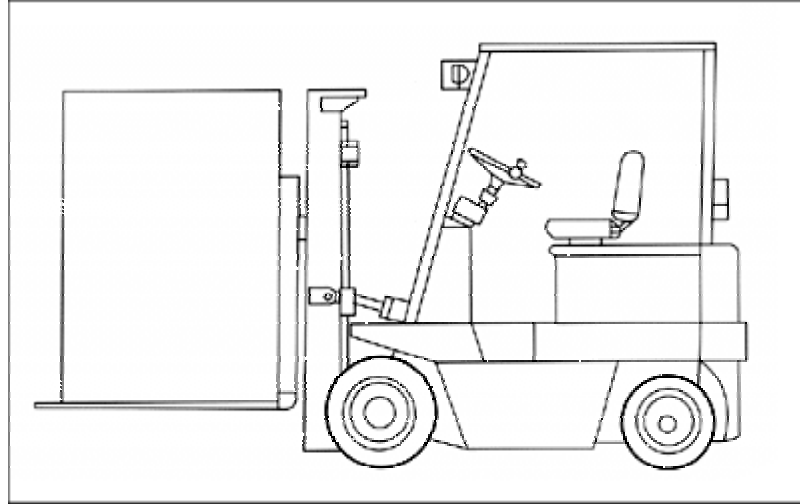
If you find any part is missed or damaged, contact your local distributor or the manufacturer of the machine immediately. Do not attempt to operate the machine until the missing parts are obtained and are installed correctly.

CLEANING THE MACHINE

The machine is coated with rust preventative oil before shipment. When the machine has been moved to the proper work site, wipe the oil from the machine using a soft cloth soaked in kerosene. Do not use gasoline, lacquer thinner, or any other volatile solvent, as these may damage the paint surface of the machine.

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.



INSTALLING THE MACHINE

The machine does not need to be bolted into the concrete floor, but should be placed on a solid and level concrete floor. Leave proper space around the machine for conveniently handling the work pieces. Make leveling adjustments after the machine has been placed in the desired location of the work site.

SPECIFICATIONS

Table Length	79-1/2"
Max. Planing Width	12"
Fence Adjustment	0-45°
Motor (HP)	5HP 3PH, 3HP 1PH
Cutterhead Speed	5,000RPM
Cutterhead Diameter	4"
Number of Blades	3
Machine Weight	968 lbs.
Gross Weight	1,078 lbs.
Packing Size (L x W x H)	88" x 30" x 40"

No	Part Name & Specification	Qty	Part No
0001	Base	1	303001
0002	Flat Long Spindle Fixing Seat	7	303002
K003	Flat Lifting Twisting Arm (Left)	1	350003
K004	Flat Lifting Twisting Arm (Right)	1	350004
K005	Flat-Support Spectacle Granule	6	350005
0006	Flat Long Spindle	4	303006
K007	Rear Cover Fixing Knob	4	500007
K008	Left Rear Plate	4	350008
K009	Right Rear Plate	1	350009
K010	Front Cover Fixing Knob	4	500010
0011	Front Plate	1	303011
K012	Lifting Screw	2	500012
K013	Lifting Large Umbel Gear	2	500013
K014	Lifting Knob	2	500014
K015	Lifting Seat Shaft Rod	2	500015
K016	Lifting Small Umble Gear Rod	2	500016
K017	Lifting Fixing Seat	2	500017
K018	Lifting Hand Wheel	2	500018
K019	Hand Wheel Fixing Washer	2	500019
0020	Right Plate	1	303020
K021	Plate Support Rod	8	350021
0022	Front Cover Silence	2	303022
0023	Dust Proof Cover	1	303023
0024	Left Plate	1	303024
027A	Cutterhead	1	303027A
K028	Front Cutterhead Cass (Small)	1	350028
K029	Front Cass Dust Proof Cover	1	350029
K30A	Brake Nut	1	350030A
K31A	Cutter Knob	15	500031A
032A	Gib	3	303032A
K33A	Cutterhead Bolt Wheel Knob	1	350033A
K34B	Cutterhead Stop Plate	1	500034B
K035	Cutterhead Belt Wheel	1	350035
K36A	Bearing Lock Nut	1	350036A
K037	Rear Cass Dust Proof Cover	1	350037
K40A	Rear Cutter Cass (Large)	1	350040A
K041	Brake Casing	1	500041
0045	Protection Aluminum Cover	1	303045
K046	Return Casing	1	500046
K047	Stop Ring	1	500047
K048	Stop Ring Rod	1	500048
K058	Electric Fixing Plate	1	500058
K059	Switch Plate	1	500059
K060	Knob	1	300059
K061	Gear Shaft	1	300046

K062	Regulating Seat (Front & Rear)	1	300048
K063	Screw, Regulating Angle	1	300044
K064	Support Plate, Screw	1	300045
K065	Seat, Regulation Angle	1	300054
K066	Gear Rack Rod	1	300047
K067	Rocking Bar, Regulating Angle	1	300043
K068	Fence Skewness Support (Front)	1	300052
K069	Slide Rod, Regulating Angle	1	300050
K070	Fence Skewness Support (Rear)	1	300053
K071	Fence	1	300055
K072	Seat, Regulating Fence	1	350072
K073	Angle Lock Bolt	1	300051
K076	Base Rear Cover	1	500076
0077	Dust Hood	1	303077
0078	Modle No Mark	1	303078
K079	Lifting Hand Model Mark	2	500079
K081	Lifting Plate Mark	1	500081
K082	Indicute Needle	1	500082
0084	Flat Long Spindle Fixing Seat	1	303084
K86A	Motor Belt Wheel	1	20P010A
K06A	Cutterhead Spring	6	35100B
M001	Cross Round Head Screw M6x10L	8	508K02
M002	Hex. Nut M10	6	AR10
M003	Hex. Socket Head Bolt M10x70L	8	AC1070
M004	Hex. Socket Head Bolt M10x45L	8	AC1045
M005	Washer W3/8	16	SW3/8
M006	Hex. Socket Head Fixing Bolt M8x8L	8	AS0808
M007	Hex. Socket Head Fixing Bolt M6x12L	4	AS612
M008	C Ring S28	6	CS28
M009	Hex. Head Bolt M8x35L	2	A835
M010	Hex. Nut M8	2	AR8
M011	C Ring See	2	CS22
M012	C Ring S40	2	CS40
M013	Key 5x5 15L	2	KK515
M014	Oil Feeder 3/16"	2	G2
M015	Spring Washer W5/16	4	SS5/16
M016	Hex. Head Bolt M8x25L	4	A825
M017	Handle (Bending) F90-3/8"	2	YK04
M018	Star Handle M10x20L	2	FS1020
M019	Hex. Socket Head Fixing Bolt M8x45L	8	AS845
M020	Spring Washer W5/8	8	SS5/8
M021	Hex. Nut M14	8	AR14
M022	Hex. Socket Head Bolt M6x25L	8	AC625
M023	Cross Sinking Head Screw M6x12L	3	AV612
M026	Hex. Head Bolt M8x20L	8	A820
M027	Hex. Head Bolt M10x30L	4	A1030

M028	Spring Washer M3/8	4	SS3/8
M029	Bearing 6205VV	1	BE6205VV
M030	Hex. Socket Head Bolt M5x16L	6	AC516
M031	Cutter 12"	3	E12
M033	Hex. Socket Head Fixing Bolt W5/16x3/4L	1	AS5/1606
M034	Bearing 6207VV	1	BE6207VV
M035	Cross Sinking Head Screw M6x12L	2	AV612
M038	Hex. Socket Head Fixing Bolt M6x6L	1	AS66
M041	Hex. Head Bolt M12x25L	2	A1225
M042	Washer W1/2	2	SW1/2
M043	Hex. Nut M10	4	AR10
M044	Motor	1	/MOTOR
M045	Spring Washer W3/8	4	SS3/8
M046	Hex. Head Bolt M10x30L	4	A1030
M047	Hex. Socket Head Fixing Bolt W5/16x1/2L	1	AS5/1604
M048	Hex. Socket Head bolt M6x16L	2	AC616
M049	Star Handle M8x30L	1	FS830
M050	Cross Round Head Screw W3/16x3/8L	1	AX3/1603
M051	Brake Skin	1	300038
M052	Hex. Head Bolt M5x10L	1	A510
M053	Hex. Nut W3/8	1	AR3/8
M054	Handle (Middle) W3/8	1	YK02
M055	Hex. Socket Head Bolt M6x25L	2	AC625
M056	Hex. Nut W5/16	1	AR5/16
M061	Hex. Head Bolt M12x25L	2	A1225
M062	Washer W1/2	2	SW1/2
M063	Hex. Nut	2	AR5/16
M064	Cross Round Head Screw W5/16	6	508K02
M065	Power Switch Indicating Lamp M6x10L	1	/Light
M066	On/Off Switch	1	/O-F,SW
M067	On/Off Switch	1	/O-F,SW
M068	Hex. Nut W1/2	1	ARB1/2
M069	Spring Pin \varnothing 4x12L	1	PS412
M070	Spring Washer W1/2	2	SS1/2
M071	Hex. Head Bolt M12x30L	2	A1230
M072	Washer W1/2	1	SW1/2
M073	Movable Bolt W3/8	1	AT3/8
M074	Hex. Nut W1/2	1	ARB1/2
M075	Hex. Head Bolt M8x20L	2	A820
M076	Handle	1	FK3-8
M077	Hex. Nut W3/8	1	AR3/8
M078	Spring Pin \varnothing 6x20L	1	PS620
M079	Hex. Head Bolt M10x25L	4	A1025
M080	Hex. Socket Head Bolt M6x16L	2	AC616
M081	Washer W1/2	1	SW1/2
M082	Hex. Head Bolt W1/2x3/4L	1	A1/206

M083	Hex. Socket Head Fixing Bolt M8x20L	2	AS820
M084	Hex. Head Bolt M12x30L	2	A1230
M085	Spring Washer W1/2	2	SS1/2
M090	Cross Round Head Screw M6x10L	14	508K02
M091	Motor Nail	20	/MN1
M092	Motor Nail	2	/MN1
M093	Star Handle W3/16x3/4L	1	FS3/1603
M094	Hex. Nut W3/16	2	AR3/16
M95A	Belt A56	2	RA52
KW02	Brake Rod	1	500W02
KW03	Motor Plate	1	500W03
KW04	Return Shaft	1	500W04
KW05	Electric Box	1	500W05
KW06	Rear Cutter Protection Cover	1	300W06
KW07	Rear Cutter Cass Door	1	350W07

