

# OPERATOR'S INSTRUCTION MANUAL





Vortex 330 Vacuum

READ AND UNDERSTAND THE OPERATOR'S INSTRUCTION MANUAL THOROUGHLY BEFORE ATTEMPTING TO OPERATE THIS EQUIPMENT.

Death or serious injury could occur if this machine is used improperly.

Machine specific Operator's Instruction Manuals are offered at edcoinc.com/customer-resources/manuals-parts-lists/



### **EQUIPMENT DEVELOPMENT COMPANY, INC.**



# SAFETY INFORMATION /





#### SAFETY MESSAGES

· Safety Instructions are proceeded by a graphic alert symbol of DANGER, WARNING, or CAUTION.



Indicates an imminent hazard which, if not avoided, will result in death or serious injury.



Indicates an imminent hazard which, if not avoided, can result in death or serious injury.



Indicates hazards which, if not avoided, could result in serious injury and or damage to the equipment.

#### **GASOLINE / PROPANE POWERED EQUIPMENT**



• Engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.



· Tilting a gasoline powered machine fitted with an EPA approved vented charcoal filter gas cap, beyond 20° can cause fuel leakage. If a leak occurs, do not

start or run the engine until the leak is fixed. Eliminate all other ignition sources in the immediate area (no smoking, flares, sparks or flames). Use approved gasoline absorbing material to contain the fuel leakage. Then use clean, non-sparking tools to collect absorbed materials then dispose of these contaminants properly.



- · Gasoline is extremely flammable and poisonous. It should only be dispensed in well ventilated areas, and with a cool
- · Small gasoline engines produce high concentrations of carbon monoxide (CO) example: a 5 HP 4 cycle engine operation in an enclosed 100,000 cu. ft. area with only one change of air per hour is capable of providing deadly concentrations of CO in less than fifteen minutes. Five changes of air in the same area will produce noxious fumes in less than 30 minutes. Gasoline powered equipment should not be used in enclosed or partially enclosed areas. Symptoms of CO poisoning include, head-ache, nausea, weakness, dizziness, visual problems and loss of consciousness. If symptoms occur - get into fresh air and seek medical attention immediately.
- Never refuel a hot engine or an engine while it is running.
- · Engines are shipped from factory without fuel/oil.



· Propane is extremely flammable and is heavier than air and tends to settle in low areas where a spark or flame could ignite gas. DO NOT start or operate this propane engine in

a poorly ventilated area where leaking propane gas could accumulate and endanger safety of persons in area. If headache develops, shut off machine. Have it checked for carbon monoxide emissions by a qualified technician before using it again. To ensure personal safety, installation and repair of propane fuel supply systems must be performed only by qualified technicians. Carbon monoxide emissions from this machine are greatly increased due to a dirty combustion air cleaner.

#### **ELECTRICAL POWERED EQUIPMENT**



Extreme care must be taken when operating electric models with water present: Ensure power cord is properly grounded, is attached to a Ground-Fault-Interrupter (GFI) outlet, and is undamaged.

- · Check all electrical cables be sure connections are tight and cable is continuous and in good condition. Be sure cable is correctly rated for both the operating current and voltage of this equipment.
- Improper connection of the equipment grounding conductor can result in a risk of electric shock. Check with qualified electrician or service person if there is any doubt as to whether the outlet is properly grounded. Adhere to all local codes and ordinances.
- NOTE: In the event of a malfunction or breakdown, grounding provides a path of least resistance for the electric current to dissipate. The motor is equipped with a grounded plug and must be connected to an outlet that is properly installed and properly grounded. DO NOT modify the plug provided on the motor. If the plug does not fit the outlet have a

#### **ELECTRICAL POWERED EQUIPMENT CONTINUED**

- Do not disconnect power by pulling cord. To disconnect, grasp the plug, not the cord.
- Unplug power cord at the machine when not in use and before servic-
- Switch motor OFF before disconnecting power.
- Never use frayed, damaged, taped or under rated extension cords. Electrical shock could result in death or serious injury to the operator and damage to the equipment.
- Assure you are using the proper extension cord length.

#### **GENERAL INSTRUCTIONS**

- · Equipment should only be operated by trained personnel in good physical condition and mental health (not fatigued). The operator and maintenance personnel must be physically able to handle the bulk weight and power of this equipment.
- This is a one person tool. Maintain a safe operating distance to other personnel. It is the operators' responsibility to keep other people (workers, pedestrians, bystanders, etc.) away during operation. Block off the work area in all directions with roping, safety netting, etc.

Failure to do so may result in others being injured by flying debris or exposing them to harmful dust and noise.

- This equipment is intended for commercial use only.
- · For the operator's safety and the safety of others, always keep all guards in place during operation.
- Never let equipment run unattended.















· Personal Protection Equipment and proper safety attire must be worn when operating this machinery. The operator must wear approved safety equipment appropriate for the job such as hard hat and safety shoes when conditions require. Hearing protection MUST be used when operational noise levels of this equipment may exceed 85db. Eye protection MUST be worn at all times.



Keep body parts, loose clothing and accessories away from moving parts. Failure to do so could result in dismemberment or death.

- · Do not modify the machine.
- Stop motor/engine when adjusting or servicing this equipment. Maintain a safe operating distance from flammable materials. Sparks from the cutting-action of this machine can ignite flammable materials or vapors.

#### **DUST WARNING**



Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects, or other

reproductive harm. Materials being removed can be toxic or hazardous. A breathing respirator is required to help protect the operator. Some examples of these chemicals are:

- · Lead from lead-based paints.
- · Crystalline silica from bricks, concrete and other

masonry products. Your risk of exposure to these chemi cals varies depending on how often you do this type of work. To reduce your risk: work in a well ventilated area, use a dust control system, such as an industrialstyle vacuum, and wear approved personal safety equipment, such as a dust/particle respirator designed to filter out microscopic particles.

- · See more on the importance of dust prevention and silica warnings at: osha.gov/silica
- · More concrete and silica dust supression training and educational materials available at edcoinc.com/silica-standards or scan the QR code on
- · Written exposure plans are provided at http://www.edcoinc.com/writtenexposure-control-plans/

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# OPERATOR'S INSTRUCTION MANUAL

# **Vortex 330 Vacuum**

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### **Warnings**



# **WARNING**: California Proposition 65 🖊



Proposition 65 applies to any company operating in California, selling products in California, or manufacturing products that may be sold in or brought into California. The purpose of Proposition 65 is to inform the public about exposure to these chemicals. EDCO has not shifted manufacturing processes, this is strictly an updated warning procedure required by the state of California. While the exposure from EDCO products may be negligible or well within the "no significant risk" range, out of an abundance of caution, EDCO has elected to provide these Proposition 65 warnings.

Depending on machine/part model the following warnings may apply:



**WARNING**: Cancer and Reproductive Harm - For more information go to: www.P65Warnings.ca.gov



**WARNING**: Batteries, battery posts, terminals and related accessories can expose you to chemicals including lead and lead compounds, and other chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. WASH HANDS AFTER HANDLING. For more information go to www.P65Warnings.ca.gov



**WARNING**: This product can expose you to chemicals including soots, tars, and mineral oils, which are known to the State of California to cause cancer, and carbon monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov



**WARNING**: This machine used in its application on concrete/cement/brick surfaces can expose you to chemicals including crystalline silica which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

For more information regarding exposure to California's Proposition 65 listed chemicals from an EDCO machine or part, please contact techsupport@edcoinc.com.

### **Warnings**



# **DUST AND CRYSTALLINE SILICA WARNING**





Grinding/cutting/drilling of masonry, concrete, metal and other materials can generate dust, mists and fumes containing chemicals known to cause serious or fatal injury or illness, such as respiratory disease, cancer, birth defects or other reproductive harm. If you are unfamiliar with the risks associated with the particular process and/or material being cut or the composition of the tool being used, review the material safety data sheets and/or consult your employer, the manufacturers/suppliers, governmental agencies such as OSHA and NIOSH and other sources on hazardous materials. California and some other authorities, for instance, have published lists of substances known to cause cancer, reproductive toxicity, or other harmful effects.

Control dust, mist and fumes at the source where possible. In this regard use good work practices and follow the recommendations of the manufacturers/suppliers, OSHA/NIOSH, and occupational and trade associations. Water should be used for dust suppression when wet grinding/cutting/drilling is feasible. When the hazards from inhalation of dust, mists and fumes cannot be eliminated, the operator and any bystanders should always wear a respirator approved by NIOSH/MSHA for the material being used.



Grinding/cutting/drilling of masonry, concrete and other materials with silica in their composition may give off dust or mists containing crystalline silica. Silica is a basic component of sand, quartz, brick clay, granite and numerous other minerals and rocks. Repeated and/or substantial inhalation of airborne crystalline silica can cause serious or fatal respiratory diseases, including silicosis. In addition, California and some other authorities have listed respirable crystalline silica as a substance known to cause cancer. When grinding/cutting/drilling such materials, always follow the respiratory precautions mentioned above.

See more on the importance of dust prevention and silica warnings at osha.gov/silica.

See more concrete and silica dust supression training and educational materials at edcoinc.com/silica-standards or scan the QR code at right.



## Safety

**CAUTION:** Standard EDCO VAC machines are not to be used for the removal of liquids or any volatile, viscous, flammable or explosive media. If you are unsure about your application requirements consult your EDCO representative.

**CAUTION:** Standard EDCO VAC machines are designed for intermittent use, i.e. not more then 2 hours continuously. If you are unsure about your application requirements consult your EDCO representative.

**CAUTION:** A dust mask should be worn when working with used filters.

**CAUTION:** Disconnect the machine from the power source before and during inspection and/or maintenance.

**CAUTION:** Machines equipped with a reverse pulse module must always be supplied adequately when the machine is on. The module is controlled by an electrical sequential timer (requires a 110 volt power supply) or differential pressure switch. The module itself requires a source of compressed air of 90 PSI at 2-4 CFM (depending on module). This device prevents the accumulation of material on the filter and therefore prevents the machine from being held under excessive stresses due to material blockage.

**CAUTION:** Machines equipped with a motorized shaker must be supplied with a three phase, 230-460 volt (depending on motor) power supply when ever the machine is on. The motorized shaker is controlled by an electrical sequential timer (requires a 110 volt power supply), a differential pressure switch or a manual switch. Manual switch models should be actuated before and after every use while the vacuum is off. This device prevents the accumulation of material on the filter and therefore prevents the machine from being held under excessive stresses due to material blockage.

**CAUTION:** Hoses and accessories must be checked for continuity prior to each use when used in a hazardous application. (i.e. combustible materials or environment).

**CAUTION:** When operating in wet/moist environments use a GFI cord cap or outlet.

**CAUTION:** Do not spray water directly on any electrical components (i.e. motors and/or switches).

**CAUTION:** When operating in wet/moist environments inspect filters regularly to safeguard against material building up/caking on the filter.

**CAUTION:** Do not use outdoors in wet environments.

### Start-Up

### START-UP / SHUTDOWN OPERATION

**NOTE:** A qualified electrician in accordance with the National Electric Code and all local codes should perform all wiring and / or electrical adjustments during installation and servicing.



Pull up on the dust pan lever to release the dustpan. Check that the dustpan is completely empty then replace.



Connect the machine to the proper power source, as indicated on the machine's serial tag.



Turn the machine on and off by using the power switch.



Before and after every use, the filter should be shaken by moving the shaker bar in and out rapidly for 10 seconds.



Release the dustpan, and turn the machine ON / (I). **Note:** You should empty the dustpan after every use as well.\*

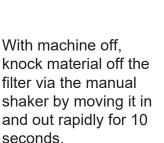
**CAUTION:** The electrical service at the installation site must supply the voltage stamped on the machine's serial tag. Most motors have multiple voltage capabilities that may appear on the motor tag but do not apply to the specific machine. Operating at an incorrect voltage may damage the machine. See the Ruwac serial tag for proper machine voltage.

### Start-Up

#### FILTER INSPECTION

**WARNING:** Always wear a dust mask when performing filter inspections or service.







Pull up on the dust pan lever to release the dustpan to the floor, and remove the dustpan.



Lock the rear casters.
Carefully tip the
machine back onto the
push handle in order to
inspect the flter.



Remove any material between the pleats, by hand only. Inspect the pleats of the filter for tears and material blockage; Inlet for wear.



Vacuum off any excess material with another vacuum, making sure not to use any sharp tools that may tear the filter.



Replace filter as required or if the filter shows signs of staining, tears or holes.



Carefully tip the machine back onto the casters, and replace the dustpan. Lock into position with the footactuated lever.

**Note:** Using an object to dislodge material may tear the filter. Consult your EDCO representative if material blockage is excessive. Do not use high pressure compressed air or water to clean off filter, as material may become permanently lodged into filter membrane.

### FILTER REMOVAL

**WARNING:** Always wear a dust mask when performing filter inspections or service.



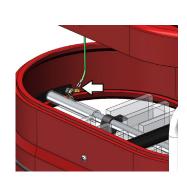
Place the vacuum under pressure by blocking the inlet with a flat and rigid material, and turning on the vacuum.



Remove all of the screws securing the motordeck and hepa filter if applicable while the vacuum is on. Turn the vacuum off afterwards.



Separate and remove the motor deck from the housing.



4

Disconnect the motor deck ground wire from the subsequent assembly via the push-on terminal.



Disconnect the filter housing spacer assembly ground wire from the base via push on terminal. Remove spacer ring screws.



Remove the filter cage housing spacer assembly.

Inspect filter and replace as needed. If replacing filter, you will reuse your black mesh inserts.

**NOTE:** The presence of material in this area or in the exhaust is often the result of a misaligned seal or damaged filter. Consult your RUWAC representative if either is the case.

3

### FILTER INSTALLATION

**WARNING:** Always wear a dust mask when performing filter inspections or service.



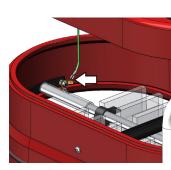
Insert mesh inserts in filter pleats, and seat the filter in the housing.



Place in the filter cage housing spacer assembly, making sure to keep the ground wire flat.



Connect the filter housing spacer assembly ground wire from the base via push on terminal.



4

Connect the motor deck ground wire from the subsequent assembly via the push-on terminal.



Place the motor deck onto the housing.



Place the vacuum under pressure by blocking the inlet with a flat and rigid material, and turn on the vacuum.



Install all of the hardware which secures the motordeck (both sides) while the vacuum is under pressure. Turn the machine off when done.

### HEPA MAXX COMPACT FILTER MAINTENANCE

**WARNING:** Always wear a dust mask when performing filter inspections or service.



To ensure optimal performance of the **HEPA Maxx compact** filter, replace when the head loss reaches 8 inches of water column.



With motor running and inlet blocked, remove the motor deck and HEPA hardware.

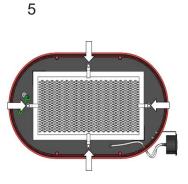


Remove the motor deck and disconnect the ground wire.



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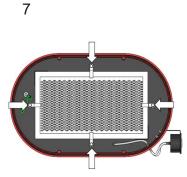
Disconnect the ground wire and remove HEPA filter spacer.



Loosen bracket hardware.



Remove and replace the HEPA Maxx compact filter.



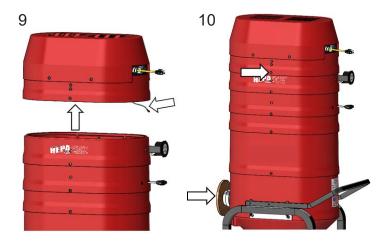
Tighten the bracket hardware.



Insert back the HEPA filter housing spacer and connect ground wire.

### HEPA MAXX COMPACT FILTER MAINTENANCE

WARNING: Always wear a dust mask when performing filter inspections or service.



Replace the motor deck, and attach the ground wire.

With the motor running and inlet blocked, secure all the hardware.

### **HEPA MAXX FILTER MAINTENANCE**

WARNING: Always wear a dust mask when performing filter inspections or service.



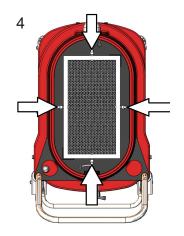
To ensure optimal performance of the HEPA Maxx filter, replace when the head loss reaches 8 inches of water column.



With motor running and inlet blocked, remove the motor deck hardware.



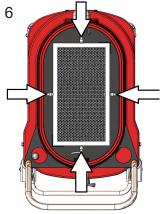
Remove the motor deck and disconnect the ground wire.



Loosen bracket hardware.



Remove and replace the HEPA Maxx filter.



Tighten the bracket hardware.



Replace the motor deck, and attach the ground wire.



With the motor running and inlet blocked, secure the motor hardware.

3

### HEPA MAXX FILTER INSTALLATION

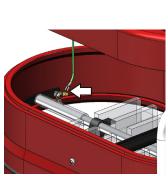
**CAUTION:** Motor deck will be heavy and may require two people to remove.



With motor running and inlet blocked, remove the motor deck hardware.



Remove the motor deck.



Disconnect the ground wire.



Insert M6 screws and hardware into the back of PEMs.



Place the HEPA Maxx module on the machine and connect the ground wire.



Place the motor deck on top of the HEPA Maxx module and connect the ground wire.



Turn on the motor and block the inlet.



Drill holes into the housing with a 5/16in bit. There are three locations on each side.

### HEPA MAXX FILTER INSTALLATION

**CAUTION:** Motor deck will be heavy and may require two people to remove.



Remove the motor deck and drill out holes with a 1/2in bit. There is one location on each side.



Lift the HEPA Maxx module and drill out holes with a 1/2in bit. There are two locations on each side.



Insert rubber PEMs into the ½ inch holes. There are three locations on each side.



Replace the motor deck and reconnect the ground wire.



Block the inlet and turn the motor on.



Insert the ½-20 bolts and lock washers into the rubber PEMs.



Complete unit as shown.

#### **BAG-TO-VALVE ATTACHMENT & EMPTYING**

During operation, the Direct Bagger valve is kept closed by the negative pressure in the vacuum. When the vacuum is turned off, the valve will open and empty the contents of the vacuums into the attached plastic bag. An adjustable counter weight is located on the valve actuator. This weight may require adjustment depending on the material being dumped into the bag. A thumb screw is located on the counter weight. If the material is not being dumped into the bag once the vacuum is full, then reposition the counter to react to the weight of the material inside. Remove safety pin prior to use, otherwise gravity drop will not seat properly.

**Note:** The Direct Bagger valve is located below the vacuum producer. Two bag clamps are located to each side of the valve. Each clamp has a red handle.





Move each handle into the up position (handle above horizontal position). This moves the bag clamp away from the valve.



Wrap the second half of the bag around the valve and close the second clamp.

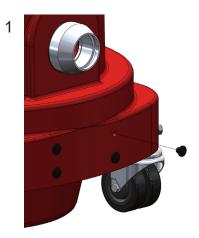


Open the plastic bag fully (less folds in the bag will allow the bag fill easier). Wrap the opening of the bag as shown in picture, and close the clamp by lowering the red clamp handle.

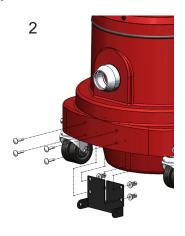
To remove the bag, tie off the bag with a zip tie or wire tie before you open both clamps.

### FLOOR SWEEP INSTALLATION

### **STANDARD INSTRUCTIONS:**



Remove the four plastic plugs from the mounting holes.



Install the mounting bracket and hardware as shown.

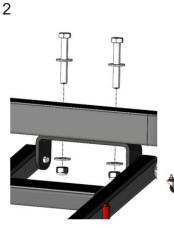


Mounting bracket should be behind housing, with tabs facing out.

### **DIRECT BAGGER INSTRUCTIONS:**



Floor sweep mounting assembly attaches to the front of frame.



Use the included hardware as shown.



Check that all the hardware is securely fastened before operating with floor tool.

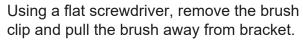
### **AMETEK MOTOR BRUSH INSPECTION**

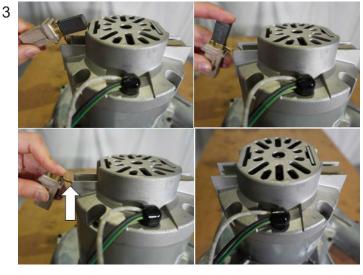
**NOTE:** A motor brush should be replaced if its length is less than 0.25 inches.



Make sure the power is disconnected from the motor.







Disconnect the field wire from the brush and remove the brush from wire clip. If brush is worn down to a length of 0.25" or less, replace brush.

To replace or reinstall brush, repeat process in reverse.



Using needle nose pliers, pull the field wire so that it can be connected to the new brush.

# AMETEK MOTOR BRUSH INSPECTION CONTINUED

**NOTE:** A motor brush should be replaced if its length is less than 0.25 inches.



Connect the brush to the field wire making sure that the connection is at 45 degree angle before reinstalling.



Push carbon into the brush so the brush can be lined up, then release the carbon and push brush into the bracket.



Place the brush clip in the slot and tap it flush with the housing. With that in position, the other brush can be inspected/changed following the same process.

# **Trouble Shooting**

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Insufficient Vacuum Pressure	<ul> <li>Motors are not on and/or working</li> </ul>	- Turn both motors on, check motor brushes
	- Dustpan improperly seated	- Remove dustpan, inspect seal, replace dustpan.
	- Filter clogged or improperly seated	- Follow filter inspection procedure, section IV.
	- Clogged hose	- Remove hose and re-inspect vacuum pressure, if vacuum pressure returns to normal snake hose.
	- Unit is improperly sealed	<ul> <li>Block the inlet with a flat and rigid material to place the unit under vacuum pressure then inspect for air leaks.</li> </ul>
Air Leaks	- Worn or poorly seated seals, Retainers improperly installed	- Block the inlet with a flat and rigid material to place the unit under vacuum pressure then remove retainers and turn the unit off. Inspect the seals for completeness, then reseat and secure components again under vacuum pressure.
Material In Exhaust / On Top Side of Filter	- Poor filter seal or torn filter	- Follow filter inspection procedure, section IV.
Unusual or High Pitched Noises	- Motor bearings, Motor bushings	<ul> <li>Follow relevant motor bushing inspection procedure, section IV. Check motor bearings for noise by hand.</li> </ul>
	- Worn or poorly seated seals, Retainers improperly installed	- Block the inlet with a flat and rigid material to place the unit under vacuum pressure then remove retainers and turn the unit off. Inspect the seals for damage, then reseat and secure components again under vacuum pressure.

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#### LIMITED EQUIPMENT WARRANTY OF SALE

Equipment Development Company, Inc. herein referred to as EDCO (Seller) warrants that each new unit manufactured by EDCO to be free from defects in material and workmanship in normal use and service for a period of (1) one year (except for the cutter drum assembly on all model concrete/asphalt planers AND the chisel head assembly on all model ALR's & ALR-BS in which case the warranty period shall be 90 days) from date of shipment to the original retail or equipment rental center owner.

Accessories or equipment furnished and installed on the product by EDCO but manufactured by others, including, but not limited to engines, motors, electrical components, transmissions etc., shall carry the accessory manufacturers own warranty.

EDCO will, at its option, repair or replace, at the EDCO factory or at a point designated by EDCO, any part which shall appear to the satisfaction of EDCO inspection to have been defective in material or workmanship.

EDCO reserves the right to modify, alter and improve any part or parts without incurring any obligation to replace any part or parts previously sold without such modified, altered or improved part or parts.

This warranty is in lieu of and excludes all other warranties, expressed, implied, statutory, or otherwise created under applicable law including, but not limited to the warranty of merchantability and the warranty of fitness for a particular purpose in no event shall seller or the manufacturer of the product be liable for special, incidental, or consequential damages, including loss of profits, whether or not caused by or resulting from the negligence of seller and/or the manufacturer of the product unless specifically provided herein. In addition, this warranty shall not apply to any products or portions there of which have been subjected to abuse, misuse, improper installation, maintenance, or operation, electrical failure or abnormal conditions and to products which have been tampered with, altered, modified, repaired, reworked by anyone not approved by seller or used in any manner inconsistent with the provisions of the above or any instructions or specifications provided with or for the product.

#### **TERMS AND CONDITIONS**

(NOT APPLICABLE TO SALES THROUGH AUTHORIZED DISTRIBUTION)

#### **FORCE MAJEURE**

Seller's obligation hereunder are subject to, and Seller shall not be held responsible for, any delay or failure to make delivery of all or any part of the Product due to labor difficulties, fires, casualties, accidents, acts of the elements, acts of God, transportation difficulties, delays by a common carrier, inability to obtain Product, materials or components or qualified labor sufficient to timely perform part of or all of the obligations contained in these terms and conditions, governmental regulations or actions, strikes, damage to or destruction in whole or part of manufacturing plant, riots, terrorist attacks or incidents, civil commotions, warlike conditions, flood, tidal waves, typhoon, hurricane, earthquake, lightning, explosion or any other causes, contingencies or circumstances within or without the United States not subject to the Seller's control which prevent or hinder the manufacture or delivery of the Products or make the fulfillment of these terms and conditions impracticable. In the event of the occurrence of any of the foregoing, at the option of Seller, Seller shall be excused from the performance under these Terms and Conditions, or the performance of the Seller shall be correspondingly extended.

This document sets forth the terms and conditions pursuant to which the purchaser ("Purchaser") will purchase and Equipment Development Co.lnc. ("Seller") will sell the products, accessories, attachments (collectively the Products ") ordered by the Purchaser. These terms and conditions shall govern and apply to the sale of Seller's Products to Purchaser, regardless of any terms and conditions appearing on any purchase order or other forms submitted by Purchaser to Seller, or the inconsistency of any terms therein and herein.

#### 1. PRICE

All prices set forth on any purchase order or other document are F.O.B. Sellers facility or distribution point, as may be determined by Seller (F.O.B.Point). All prices are exclusive of any and all taxes, including, but not limited to, excise, sales, use, property or transportation taxes related to the sale or use of the Products, now or hereafter imposed, together with all penalties and expenses. Purchaser shall be responsible for collecting and/or paying any and all such taxes, whether or not they are stated in any invoice for the Products. Unless otherwise specified herein, all prices are exclusive of inland transportation, freight, insurance and other costs and expenses relating to the shipment of the Products from the F.O.B. point to Purchaser's facility. Any prepayment by Seller of freight insurance and other costs shall be for the account of Purchaser and shall be repaid to Seller.

#### 2. PAYMENT TERMS

Payment terms are as follows. 2% 10 days (to approved and qualified accounts). Net 30 days. This is a cash discount for invoices paid within 10 days after the invoice date, regardless of date of receipt of shipment. This is not a trade discount and will not be granted to accounts that do not adhere to stated terms.

\*All past due accounts are subject to a late payment fee of 1.5% per month or a maximum allowed by law if different, along with the expenses incidental to collection including reasonable attorney's fees and costs.

\*Seller reserves the right to hold shipments against past due accounts.

\*Seller reserves the right to alter payment terms.

#### 3. FREIGHT TERMS

All shipments will be made F.O.B. shipping point as designated in these Terms and Conditions, and title shall pass at the F.O.B. point. Delivery to the initial common carrier shall constitute delivery to the Purchaser. Any claims for loss or damage during shipment are to be filed with carrier by the Purchaser. Seller will not assume responsibility for the performance of the carrier.

Back orders will be shipped in the most practical fashion with charges consistent with our freight policy established with the original order. UPS, FED EX, MAIL or shipments by other couriers are subject to the same terms and conditions as outlined in paragraph #3"Freight Terms".

#### 4. DELIVERY, DAMAGES, SHORTAGES

Seller shall use reasonable efforts to attempt to cause the Products to be delivered as provided for in these Terms & Conditions. Delivery to the initial common carrier shall constitute the delivery to the Purchaser. Sellers responsibility, in so far as transportation risks are concerned ceases upon the delivery of the Products in good condition to such carrier at the F.O.B. point and all the Products shall be shipped at the Purchaser's risk. Seller shall not be responsible or liable for any loss of income and/or profits, or incidental, special, consequential damages resulting from Seller's delayed performance in shipment and delivery.

#### **5. RETURN OF DEFECTIVE PRODUCTS**

Defective or failed material shall be held at the Purchaser's premises until authorization has been granted by Seller to return or dispose of Products. Products that are to be returned for final inspection must be returned Freight Prepaid in the most economical way. Credit will be issued for material found to be defective upon Seller's inspection based on prices at time of purchase.

#### 6. PRODUCTS ORDERED IN ERROR

Products may be returned, provided that claim is made and Seller is notified within 7 days of receipt of Products, and the Products are in original buyer's possession not more than 30 days prior to return, subject to Seller's approval. If Products are accepted for return, they must be Freight Prepaid and buyer will be charged a minimum of 15% restocking charge, plus a charge back for outbound freight charges if the original order was shipped prepaid. Returns are not accepted for any Products that are specifically manufactured to meet the buyer's requirement of either specifications or quantity.

#### AGREEMENTS

These Terms and Conditions constitute the entire agreement between Seller and Purchaser as it relates to terms and conditions of sale, and supersedes any and all prior oral or written agreements, correspondence, quotations or understandings heretofore in force between the parties relating to the subject matter hereof. There are no agreements between Seller and Purchaser with respect to the Product herein except those specifically set forth in and made part of these terms and conditions. Any additional terms, conditions and/or prices are rejected by Seller.

These terms and conditions may be modified, cancelled or rescinded only by a written agreement of both parties executed by their duly authorized agents.

USE ONLY GENUINE EDCO PARTS & ACCESSORIES For your own safety, the safety of others and the life of your machine.

#### **SUBMIT ALL WARRANTY CLAIMS AT:**

edcoinc.com/warranty-request-claim/



# **BEFORE USING THIS PRODUCT**

Have You Used EDCO's Online Customer Support??



Scan This QRC or Visit www.edcoinc.com/customer-support



**READ:** EDCO Owner's Manuals and Parts Listings share basic information and parts of each product. Download and print them whenever needed.



**WATCH: EDCO Product Training Videos** show how to use products, install tooling, and perform basic maintenance.



Example Only

**FIND:** Somewhere on this product is an **EDCO QRC Training Decal**. Scanning this code provides owner's information, videos, and other training content anywhere/anytime on your mobile device.



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Also see Operator's Safety & Limited Warranty Manual

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