

OPERATING MANUAL



MODEL 1-10DLP

Shot Blasting System

PORTABLE RIDE-ON



Trust the Original Surface Preparation Experts
800.256.3440 blastrac.com

INTRODUCTION

This manual has been prepared to assist the operator and maintenance personnel in understanding the machine so that it may be operated in the safest and most efficient manner and maintained in the best condition. Therefore, it is necessary that all personnel responsible for the operation and maintenance of the machine read and understand the manual.

Before attempting to operate, service or maintain the machine, the personnel should thoroughly familiarize themselves with the physical make-up of the machine. They should be familiar with the major components of the machine and have a general understanding of overall operations.

The operating and maintenance personnel must obey all the warnings and safety precautions posted on the machine and stated throughout this manual. Serious injury to personnel or severe damage to the equipment may result if the warnings and precautions are not followed.

You will be notified of any changes that occur after this manual is printed. We will send you manual revisions that should be inserted in the manual in accordance with instructions that will be forwarded with them.

Receipt of Machine

Examine the shipment carefully for possible damage that might have occurred while in transit. If any damage is noted, notify the transportation carrier immediately and advise Blastrac.

FORWARD

Blastrac is pleased that you have selected the Model 1-10DLP Blast Cleaning Machine for you surface preparation requirements. This environmental, closed-cycle, surface preparation machine has been designed and built for abrasive blast cleaning of horizontal surfaces.

This manual has been prepared to assist the operator and the maintenance personnel in understanding the machine so that it may be operated in the most efficient manner and maintained in the best condition. Therefore, it is necessary that all personnel responsible for the operation and maintenance of the machine read the manual thoroughly. By following the instructions in this manual, the 1-10DLP system can be easily and effectively operated, serviced and maintained by personnel assisted by a brief period of familiarization and training from a Blastrac technician.

Before attempting to operate, service or maintain the machine, the personnel should thoroughly familiarize themselves with the physical makeup of the machine, be familiar with the major systems of the machine, and have an understanding of its operation.

The operating and maintenance personnel must obey all the warnings and safety precautions posted on the side of the machine and stated throughout this manual. Serious injury to personnel or severe damage to the equipment may result if the warnings and precautions are not followed, or through careless handling of this equipment.

Initial operation and maintenance must be done cautiously. Extreme care should be taken when activating any control devices until the response of the machine and its various components are clearly understood.

If you have any questions or problems in regard to the operation or capabilities of this Blastrac machine, please contact:

Blastrac
13201 North Santa Fe
Oklahoma City, OK 73114
405/478-3440
800/256-3440

or your nearest Service Center.

Table of Contents

Safety Precautions	1
1.1 Safety Instructions	2
Operator Responsibilities	3
2.1 Operator Responsibilities	4
Operator Procedures	5
3.1 Operator Awareness	6
3.2 Operation Sequence	7
3.3 Operation Adjustments	8
Removal and Installation of Parts	9
4.1 Blade Removal and Installation	10
4.2 Pinch Bar Removal and Installation	11
4.3 Blast Wheel Removal	12, 13
4.4 Blast Wheel Installation	13
4.5 Top Liner Removal and Installation	13, 14
4.6 Dust Collector – General	14
Maintenance	15
5.1 Maintenance Check List	16
5.2 Maintenance Log	17
Specifications	18
6.1 Specifications	19
Hazardous Materials Safety Warning	20
7.1 Hazardous Materials Safety Warning	21

Section 1

1.1 Safety Instructions

1.1 Safety Instructions

Note: Please read these instructions carefully and completely prior to operating this equipment.

1. All personnel in the vicinity of this machine must wear safety goggles and adequate ear protection while it is in operation.
2. Never perform maintenance on the machine while it is running.
3. When operating machine, keep hands away from all moving parts.
4. Do not wear loose fitting clothing or attempt to remove V-belt covers.
5. Do not stand to side of blast housing while machine is in operation due to the possibility of blade failure.
6. If an emergency should occur while machine is in operation, push the top of the throttle assembly down and turn ignition switch to the off position.
7. Do not operate this equipment on wet surface or in the vicinity of flammable liquids.
8. When repairing underside of machine, always use jack stands.
9. Before transporting machine, be sure dust is cleaned out of the dust collector. The extra weight will cause stress on the axles and may cause them to break.
10. In this manual, we have provided an operation/maintenance checklist. These items **must** be checked before each operation for the safety of the operator as well as the machine.

BEFORE STARTING MACHINE, BE SURE ALL V-BELTS ARE IN GOOD CONDITION!

Section 2

2.1 Operator Responsibilities

2.1 Operator Responsibilities

1. The operator shall provide personnel who have been trained by a Blastrac Technician for the operation and maintenance of Blastrac equipment.
2. The operator shall provide the necessary blasting media in accordance with the recommendations of a Blastrac technician so that the machine will operate at maximum efficiency.
3. The operator shall be responsible for the observance of all safety precautions expressed in this manual.
4. The operator shall perform all maintenance and basic repair functions as stated and described in this manual.
5. The operator shall maintain an inventory of “wear parts” as outlined in this manual.
6. The operator shall dispose of all dust collector refuse.
7. The operator shall provide the following tools & accessories:

Hammer
Wrench Set
5/16” Allen Wrench
Buckets

Screwdrivers
VOM (meter)
Magnetic Broom

Section 3

- 3.1 Operator Awareness
- 3.2 Operation Sequence
- 3.3 Operation Adjustments

3.1 Operator Awareness

The 1-10DLP machine is designed to blast a concrete surface and reclaim all shot and dust. The machine can very easily destroy the concrete surface if not operated properly. The absence of Operator Awareness will create down time and can prove to be very costly. Read the following precautions carefully prior to operation.

1. When the shot valve is open, the machine is throwing shot! Therefore, you must **be sure the shot valve is closed prior to starting** as well as any time the machine comes to a stop.
2. **The speed of travel controls the depth of your cut.** You should run a test pattern to be sure you are not gouging the floor.
3. Due to variances in concrete, it is necessary to check the pattern every 10 feet as the concrete or coated surface may be softer in different areas.
4. The maintenance checklist is provided for blasting efficiency. This list should be completed after each day of blasting. You will save time and money by maintaining you shot blast machine.
5. **The dust collector must be dumped approximately every two hours. If the dust collector gets too full, you will lose all of your suction.** This will result in loss of all shot from the hopper. Check the dust collector after the first 30 minutes. Determine how long you can operate before dumping. All concrete surfaces are different.
6. The gap between the Blades and the Pinch Bar is very important. If you gap exceeds 1/8", you will begin to trail shot and eventually lose the whole load.
7. The Porta-Shot Blast machine is equipped with blast seals. These seals provide a seal for the suction required and they contain shot that would otherwise be thrown from the machine. If the seals are worn out, you will lose you seal and shot will fly out from the worn areas.

3.2 Operator Sequence

Refer to **Figure 1** for the location of switches and control identified in this procedure.

1. Complete the Operation/Maintenance check list.
2. Place the transmission control lever in the neutral (center) position.
3. Turn ignition switch to ON and start machine.
4. Pull throttle to the wide-open position. Tach should read between 3630 rpm to 3680 rpm.
5. Push the transmission lever forward to go forward and backward for reverse.

ALWAYS BLAST IN FORWARD DIRECTION

6. Adjust the height of the seals using the Housing Lift switch. Lower seals until they contact the surface. Then lower them an additional $\frac{1}{4}$ inch.
7. Start machine moving forward and slowly open the shot valve. The slower the machine travels while the blast wheel is engaged, the deeper the cut.
8. When coming to a stopping point, shut off the shot valve about 5 feet before stopping. (This will allow you to clear the housing of shot keeping you from blasting a hole when you come to a complete stop.) This distance will vary depending on the speed of travel (fast – more than 5 feet, slow – less than 5 feet).

3.3 Operation Adjustments

The 1-10DLP is equipped with a few fine tune adjustments to make blasting easier.

1. **FRONT END LIFT:** This is used primarily for loading and unloading the machine. This feature may also be used to adjust your seals while operating machine, opposed to stopping machine and doing it manually.
2. **VACUUM ADJUST PLATE:** This plate is used to adjust the amount of vacuum pulled through the blast housing. It can be used to fine tune air flow to the specific application.
3. **PINCH BAR:** The pinch bar clearance must be checked before each operation. For best blasting results, rotate the pinch bar to allow 1/8" clearance for all applications.

IMPORTANT: AFTER ADJUSTING THE PINCH BAR TO BLADE GAP, ALWAYS SPIN BLAST WHEEL TO VERIFY CLEARANCE ON ALL BLADES.

Section 4

- 4.1 Blade Removal and Installation
- 4.2 Pinch Bar Removal and Installation
- 4.3 Blast Wheel Removal
- 4.4 Blast Wheel Installation
- 4.5 Top Liner Removal and Installation
- 4.6 Dust Collector – General

4.1 Blade Removal and Installation

Refer to **Figure 2** for the location of parts and equipment identified in this procedure.

Caution: All electric power must be disconnected and all rotation parts completely Stopped before attempting any maintenance procedure. Always observe Zero Motion Status before attempting any adjustments or maintenance.

Refer to Figure (4) for the location of parts and equipment identified in this procedure.

1. Remove the inspection plate below the blast wheel.
2. Rotate the blast wheel to bring the blade that is to be removed into reach.
3. Remove the two (2) cap screws and retainer plate at the end of the blade.
4. Blow dust and shot out of the threaded hole in the end of the blade.
5. Use a slide hammer to pull the blade out of the blast head.

NOTE: Slide hammer is provided with all machines containing a pinch bar.

6. Clean dust and shot out of the slot for the blast head for proper installation of the blades.
7. Insert the new blade and replace the retainer plate and cap screws.
8. Inspect gap between blade and Pinch Bar for rotation or replacement of Pinch Bar.
9. Install inspection plate.

4.2 Pinch Bar Removal and Installation

Refer to **Figure 3** for the location of parts and equipment identified in this procedure.

Caution: All power must be disconnected and all rotation parts completely stopped before attempting any maintenance procedure. Always observe Zero Motion Status before attempting any adjustments or maintenance.

1. Remove the Pinch Bar retaining lug.
2. Insert a slide hammer into the threaded hole in the end of the Pinch Bar.

NOTE: Slide hammer is provided with all Pinch Bar machines.

3. Withdraw the Pinch Bar from the blast head.
4. Insert the new Pinch Bar and tap into place with a hammer.
5. Reinstall the Pinch Bar lug bolt.

Caution: All power must be disconnected and all rotation parts completely stopped before attempting any maintenance procedure. Always observe Zero Motion Status before attempting any adjustments or maintenance.

1. Remove the Pinch Bar retaining lug.
2. Rotate the Pinch Bar clockwise one notch if it does not exceed 1/8 inch from blast wheel blades.
3. If Pinch Bar gap is larger than 1/8 inch, the Pinch Bar should be rotated two (2) notches clockwise.
4. Rotate Pinch Bar with a large adjustable wrench.
5. Reinstall the Pinch Bar lug bolt.

4.3 Blast Wheel Removal

Refer to **Figure 4** for the location of parts and equipment identified in this procedure.

1. Belts:

- a) Remove the seat for better access to the work area.
- b) Remove the lower portion of the belt guard and take the six belts off the blast wheel sheave using a flathead screwdriver.

2. Taper Lock and Sheave Assembly:

- a) Remove the two set screws from the taper lock.
- b) Install one set screw in the hole, which did not originally have a set screw.
- c) Tighten the set screw until you hear the taper lock “pop”. If the taper lock does not pop, tap the outside of it lightly with a hammer.
- d) Slide the taper lock off the shaft. If the assembly does not slide off the shaft easily, insert a screwdriver in the slot and pull off.

Note: Be careful not to pry open too far as the taper lock can split in half.

3. Bearing Collar:

- a) Remove the two Allen head set screws on each of the two bearing collars.
- b) Remove the bearing collars.

4. Blast Wheel Bearing:

- a) Remove the two bolts holding the outside bearing.
- b) Pry the outside bearing off of the shaft.

5. Inspection Plate:

- a) Remove the two bolts, which connect the inspection plate to the housing.
- b) Remove the inspection plate.

4.3 Cont'd

6. Cover Plate:

- a) Remove the four nuts, which connect the cover plate to the housing.
- b) Remove the cover plate.

7. Blast Wheel:

1. Remove the blast wheel drum by pulling the drum shaft through the inside bearing.

Note: If the drum shaft is resistant to come through the bearing, you may use a block of wood and a hammer to force it through.

4.4 Blast Wheel Installation

Refer to **Figure 4** for the location of parts and equipment identified in this procedure.

1. Reverse steps 1-7 under Blast Wheel removal
2. Locate the counter sink holes in the outside of the blast wheel shaft
3. The set screws on the outside blast wheel bearing should be set in these holes. This will align the blast wheel from side to side.
4. Before you tighten the blast wheel bearings, you must align the blades with the Pinch Bar. Refer to operation adjustments for proper setting.
5. When the blast wheel is aligned with the Pinch Bar, you can tighten the inside blast wheel bearing.

4.5 Top Liner Removal and Installation

Refer to **Figure 5** for the location of parts and equipment identified in this procedure.

Before attempting to remove the Top Liner, you must complete steps 1-7 under Blast Wheel Removal. If the Top Liner has completed more than 100 hours of

4.5 Cont'd

blasting, it will have expanded. To remove the expanded Top Liner, you may weld a turn buckle across the inside to return the liner to its natural position. If the liner is worn out, it will be much easier to cut it in half with a torch and then remove it.

1. Remove the two bolts located at the top of the blast housing. These bolts are accessible from the outside of the housing.
2. Loosen the one nut located at the bottom of the liner. This nut is protected by a piece of manganese that may also be used for a handle.
3. You must now rotate the liner at least 3 inches to the right to clear the mounting arms and remove the liner.
4. To install the Top Liner, reverse steps 1-3.

4.6 Dust Collector – General

This unit is equipped with an auto pulse dust collector that provides suction to separate the dust from the shot. The central part of the dust collector is the air filter chamber. Dust laden air enters the chamber from the blast head through the exhaust hose and into the dust chamber inlet connection located on the left, front side of the dust collector. The dirty air passes through a plenum and flows through an array of 6 vertically mounted, specifically designed filter cartridges. Dust is captured on the six surfaces of these filters allowing clean air to pass to the clean air portion of the dust collector where it exhausts to the open atmosphere through the silencer box.

The dust that was trapped on the external surface of the filters is periodically removed by pulsing the filters with a burst of compressed air released from the header tank by a diaphragm valve. The air is delivered via one of two blowdown tubes. This momentary pulse of air allows the dust to fall into the dust bins at the bottom of the filter chamber. Three filters are pulsed at a time, alternating sides, determined by a timer board located in the control box located on the front of the dust collector. The timer board is usually set to pulse a three filter bank every eight seconds. The timer board determines the set time between pulses and the length of each pulse. Venturi valves are located above each filter for maximum filter cleaning efficiency.

Filter Removal:

1. Open the back door of the dust collector.
2. Loosen wing nuts and remove the filters.

Note: Be careful not to damage filters when installing.

Section 5

- 5.1 Maintenance Check List
- 5.2 Maintenance Log

5.1 Maintenance Check List

Operation/Maintenance Check List: The items on this check list **must** be checked before each operation to achieve maximum blasting efficiency and for the safety of the operator as well as the machine.

_____ Blast wheel	Check for balance and excessive wear
_____ Blades	Check for excessive wear
_____ Top liner & Lower liner	Check for excessive wear
_____ Pinch bar	Check clearance and for uneven wear
_____ Gap	To adjust the gap, see operation adjustments
_____ Blast wheel bearings	Check set screws and grease
_____ Shot valve	Check for leaks
_____ Filters	Make sure filters are not clogged or ripped
_____ Engine oil	Check level and change when dirty.
_____ Air cleaner	Change when dirty
_____ Transmission oil	Check for leaks and change when dirty
_____ Axle seals	Check for leaks
_____ Blast seals	Check for excessive wear
_____ Blower bearings	Check set screws and grease
_____ Steering assembly	Check chain tension
_____ Belts	Check quality and tension
_____ Idler assembly	Check bearings
_____ Dust collector latches	Make sure latch is firmly secured to door

5.2 Maintenance Log

MAINTENANCE LOG

Liners – Inspect for wear	Checked	<input type="checkbox"/>	OK	<input type="checkbox"/>	Change	<input type="checkbox"/>
Blastwheel - Inspect for wear	Checked	<input type="checkbox"/>	OK	<input type="checkbox"/>	Change	<input type="checkbox"/>
Filters – Inspect – clean or replace	Checked	<input type="checkbox"/>	OK	<input type="checkbox"/>	Change	<input type="checkbox"/>
Blades- Inspect for wear	Checked	<input type="checkbox"/>	OK	<input type="checkbox"/>	Change	<input type="checkbox"/>
Shot valve – Inspect	Checked	<input type="checkbox"/>	OK	<input type="checkbox"/>	Change	<input type="checkbox"/>
Seals – Inspect for wear	Checked	<input type="checkbox"/>	OK	<input type="checkbox"/>	Change	<input type="checkbox"/>
Bearings – Inspect set screws and grease	Checked	<input type="checkbox"/>	OK	<input type="checkbox"/>	Change	<input type="checkbox"/>
Check oil levels -	Checked	<input type="checkbox"/>	OK	<input type="checkbox"/>	Change	<input type="checkbox"/>
Pinch bar – Inspect for wear, Rotate ¼ turn every 8 hours	Checked	<input type="checkbox"/>	OK	<input type="checkbox"/>	Change	<input type="checkbox"/>
Belts – Check quality and tension	Checked	<input type="checkbox"/>	OK	<input type="checkbox"/>	Change	<input type="checkbox"/>
Propane system – check valves for leaks	Checked	<input type="checkbox"/>	OK	<input type="checkbox"/>	Change	<input type="checkbox"/>

VISIT US ON THE WEB @ WWW.BLASTRAC.COM

Section 6

6.1 Specifications

6.1 Specifications

The 1-10DLP Porta-Shot Blast machine is powered by a CH-25 Kohler liquid propane engine. The 25HP machine is capable of cutting up to 1/8" of concrete in one pass. It is driven by a Hydrostatic Pump and Motor system, controlled by lever arm action.

The 1-10DLP has a 10" blast pattern using a patented blast wheel which reduces hot spots and groves. The blast wheel is a paddle wheel design that is pulley driven at a maximum speed of 5400 RPM continuously. Shot feeds through the shot valve to the blast wheel. The shot and debris rebound to the dust separator and the dust is removed to the dust collector. Clean shot falls back into the hopper for reuse. The machine recycles shot continuously until the machine is shut off. The auto pulse dust collector cleans the six cartridge filters while the machine is running. This machine is capable of cutting up to 1200 square feet per hour, while achieving a brush blast.

Specifications:

Drive Motor.....	25 HP Kohler
Propane System.....	Liquid
Motor RPM.....	3600 at max idle
Blasting Width.....	10"
Charging System.....	12 volt
Dust Collector.....	600 cfm suction
Drive System.....	Hydrostatic Drive
Dimensions.....	L: 78.5" W: 32" H: 48"
Weight.....	1550 lbs

Section 7

7.1 Hazardous Materials Safety Warning

7.1 Hazardous Materials Safety Warning

Some floor or deck surfaces may be coated with or contaminated by **hazardous material**. Typical examples of hazardous materials include tile mastic which is likely to contain **asbestos**, stained areas near electrical equipment which may contain **PCB's**, old paint, which may contain **lead**, stained or surface contaminated floor areas in chemical or other industrial facilities that may contain **pesticides**, **cleaning fluids**, **solvents**, or other **harmful chemicals**.

During the normal operation of shot blasting equipment, surface material is removed and dust is created. When the surface material is contaminated, the dust may contain hazardous material.

It is very probable that dust will be released during the normal operation of Blastrac equipment. If this dust contains hazardous material, there is a danger that exposure to this dust may pose a health risk.

Before using Blastrac equipment on any surface, the area must be inspected for possible contamination.

Blastrac does not warrant its equipment to be suitable for, or approved for, removing hazardous materials.

Before beginning any project involving the removal of hazardous materials, it is the responsibility of the contractor to ensure that the work site and equipment to be used have been inspected and the proposed work has been approved by the proper authorities. It is also the responsibility of the contractor to notify workers of any potential health risks and ensure that workers are properly protected from exposure to hazardous materials and from the long term effects of such exposure.

Blastrac Portable Shot Blast Cleaning Systems are not designed for use to remove, clean, profile, or alter any surface coated with or otherwise contaminated by hazardous material. Blastrac expressly disclaims any liability for injury, illness, death, or damage that might occur or result from such use.



13201 North Santa Fe Avenue • Oklahoma City, OK 73114 • Ph: 800-256-3440 • F: 405-478-8608 blastrac.com

Product Warranty

Standard Equipment Products:

Blastrac warrants its Blastrac Standard Equipment Products against defects in quality of material and workmanship, under normal and proper use for a period of **1 Year** from the date of delivery, as noted on the returned warranty registration card, or, in the case of **Rental Fleet Machines, 180 Days** from the date of assignment to Rental Fleet. This warranty is non-transferable and is extended to machines purchased and entered into the normal service of surface preparation by a recognized professional or qualified contractor. Blastrac makes this warranty only to the buyer who purchases the products directly from Blastrac or its Authorized Distributor. This warranty does not include expendable parts such as, but not limited to, blades, blast wheels, wear plates, liners, seals, and electrical components. All purchased parts utilized in the manufacture will be honored to the original manufacturer's specified warranty.

If the buyer does not return the warranty card or register the product online at www.blastrac.com within 30 days after taking delivery of Blastrac Standard Equipment Products, the warranty period is limited to 6 months from the date of delivery noted on shipping receipt.

Hand Tool Products:

Blastrac warrants its BLASTRAC Hand Tool Products, including hand grinders and accessories, against defects in material and workmanship under normal and proper use for a period of **90 days** from the date of delivery or, in the case of Rental Fleet Machines, from the date of assignment to a Rental Fleet. Blastrac makes this warranty only to the buyer who purchases the products directly from Blastrac or its authorized distributor. This warranty does not include expendable parts such as blades.

If the buyer does not return the warranty card, or register online at www.blastrac.com within 15 days after taking delivery of Blastrac Hand Tool Products, the warranty period is limited to 30 days from the date of delivery noted on shipping receipt.

WARRANTY TERMS AND CONDITIONS:

1. Blastrac's obligation under this warranty is limited to the replacement or repair, at Blastrac's option, of products and does not include, labor, the cost of transportation, loss of operating time, or normal maintenance services.
2. This warranty does not apply to failure occurring as a result of abuse, misuse, negligence, corrosion, erosion, normal wear and tear, alterations or modifications made to products without the express written consent of Blastrac.
3. The buyer must submit all warranty claims no later than thirty (30) days after buyer becomes aware of the basis for any such claim, or should have become aware of the basis for any such claim in the exercise of reasonable diligence.

To return parts for warranty consideration, please call Blastrac Customer Service at **800-256-3440**. Your customer service representative will obtain the necessary information to complete the Blastrac Returned Merchandise Authorization (RMA) Form. Blastrac will then send the RMA form to the customer authorizing the return of the parts for warranty evaluation. The parts must be received within sixty (60) days following the RMA origination date or the warranty claim will be denied. Once the parts are received they will be evaluated for warranty.

If the customer cannot wait for the evaluation/replacement of the parts during this process, the customer must issue a new purchase order to Blastrac for the replacement parts before they can be shipped. Once the evaluation process is complete and parts are deemed a valid warranty claim, a credit will be issued against this invoice.

4. The buyer may not return Blastrac products without written authorization to do so through a Blastrac RMA.

5. Blastrac reserves the right to inspect and determine the scope of its warranty responsibilities for any returned Blastrac products.

6. Blastrac makes no warranty with respect to accessories it does not manufacture, including but not limited to, engines, motors, batteries, tires and all other parts. See component manufacture warranty.

7. Blastrac reserves the right to make product changes or improvements without prior notice and without undertaking any obligation for such changes or improvements on previously sold products.

8. The above warranty conditions can only be altered by Blastrac. Blastrac must confirm alterations in writing for each specific transaction.

9. Blastrac reserves the right to modify this warranty for used or demo products on an individual transaction basis. Blastrac will include warranty modifications on its invoices for used or demo products.

10. BLASTRAC DOES NOT AUTHORIZE ANY PERSON, REPRESENTATIVE, SERVICE OR SALES OUTLET TO MAKE ANY WARRANTY DIFFERENT FROM THIS PRODUCT WARRANTY.

11. EXCEPT FOR ITS PRODUCT REPAIR OR REPLACEMENT OBLGATIONS DESCRIBED IN THIS PRODUCT WARRANTY, UNDER NO CIRCUMSTANCES SHALL BLASTRAC BE LIABLE TO THE BUYER, OR ANY OTHER PERSON, FOR ANY DIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE BLASTRAC PRODUCT, OR FOR ANY SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER, INCLUDING WITHOUT LIMITATIONS, DAMAGES FOR ANY LOSS OF GOODWILL, WORK STOPPAGE, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES.

12. BLASTRAC MAKES NO OTHER PRODUCT WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



IMPORTANT!

TO THE DELIVERING DISTRIBUTOR OR END USER

To ensure the proper warranty coverage is extended to the owner of this machine, fill in the necessary information below **COMPLETELY** and **ACCURATELY** and retain for your records. **Go to www.blastrac.com and register online.** Click on the Register icon in the left column of the homepage, and fill out the product registration form with the same information that will be recorded here.

The warranty period will start upon the delivery date of the machine.

The distributor or the end user must provide the machine warranty information when the machine is delivered. Registration of the machine will extend the warranty period from the recorded delivery date entered with product registration. **Failure to comply will make any and all warranties on the equipment void after 6 months.**

OWNER/END USER'S REFERENCE INFORMATION

Delivery Date _____	Machine Model No. _____
Delivering Distributor's Name and Address _____	Machine Serial No. _____
_____	Modifications _____
_____	_____
_____	_____
_____	_____
_____	_____

Signature of Delivering Distributor's Representative

Blastrac is a registered trademark of Blastrac,NA
Fold and Detach Here if Mailing

Warranty Registration

IMPORTANT! To ensure that your Blastrac® machine is covered under warranty, please provide the information recorded here by registering online at blastrac.com, or complete this page and fax to 866-485-1046, or if you prefer, detach and mail to:

Blastrac, 13201 North Santa Fe Avenue, Oklahoma City, OK 73114-9901

(Please print legibly)

Company _____

Address _____

City, State, & Zip _____

Telephone No. _____ Contact Person _____

Date of Purchase _____ Date Received _____

Machine Model No. _____ Serial No. _____

Distributor Name _____

End User Name _____

End User E-mail _____