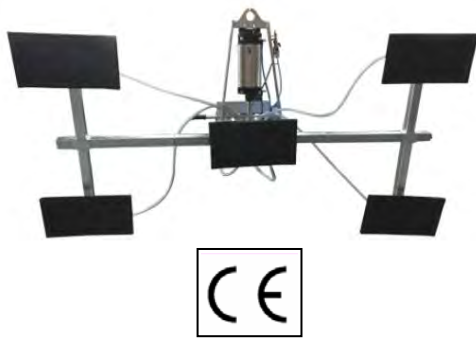


Weha A 1500 5 Pad Venturi Vacuum Lifter



Description	Vacuum-Lifter A 1500
Part Number	138514
Machine / Serial Number	
Manufacturing Year	
Carrying Capacity horizontal	1500 lbs
Carrying Capacity vertical	1500 lbs

Picture 1 Weha A 1500 Vacuum-Lifter

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1 Contact

For any further questions and/or individual orders, please contact Weha-Ludwig Werwein GmbH or the manufacturer directly:

In Germany
WEHA-Ludwig Werwein GmbH
Postbox 13 55 86331 Königsbrunn / Augsburg
Wikingerstr. 15 86343 Königsbrunn / Augsburg
Telephone: +49 (0) 8231 / 60 07-0
Telefax: +49 (0) 8231 / 60 07-148
E-Mail: info@weha.com

In the USA
WEHA USA
7606 Whitehall Executive Center Drive Unit 400 Charlotte, NC 28273
Telephone: 704-940-0115
Telefax: 704-583-3166
E-Mail: info@wehausa.com

Visit us at our Internet Website:
http://www.wehausa.com
E-Mail: info@wehausa.com

2 Conformity Declaration

EC-Conformity Declaration 2006/42/EG			
Manufacturer:	Metal-Jawor Sp. z o.o. ul. Wiejska 2 PL 59-400 Jawor Telefon 0048 76 8703700 Telefax 0048 76 8703046	Machine Type:	A 1500 Vacuum Lifter
		Verwendung:	Lifting of Stone Plates
		Machine-Number:	
Signature:	<p>"METAL-JAWOR" Sp. z o.o. 59-400 Jawor, ul. Wiejska 2 tel. 076/870-37-00, fax 076/870-30-46 NIP 695-13-46-385 id. 390637554</p>		
We hereby certify that the above-mentioned machine corresponds to the requirements in accordance with the above guidelines.			

3 Explanation of Symbols and Warning Instructions

The following explanations of the symbols occurring on the machine or in the operating instructions should help you to understand them.

3.1 Warning Notice on the A 1500 Vacuum-Lifter

The following warning symbols can appear on the machine respectively unit:



This symbol points out the availability of the related operating instructions and warns the operator to read these instructions prior to the installation or the commissioning of the machine.



This warning symbol denotes the need of the operator to wear ear-protection and eye goggles.



This mandatory sign obligates the operator of the machine to use and wear safety shoes, protective gloves and protection helmet.

3.2 Symbols in the Operation Instructions

The following symbols can appear in the operation instructions and are defined as follows:



This exclamation mark, framed in an equilateral triangle, draws the operator's attention to the fact that very important directions are available and the operator should read and follow the information with particular interest.



Obligation to recycle waste materials into the production process and to safeguard the natural resources and protect the environment.



Marking of switches, articles, etc. in the picture of this operating manual. The first number begins with the letter A, for the marking (e.g. article D) and the second number is the current numbering of the picture (e.g. picture 6.2) within a section e.g. 6.1 Inspection. The marking always refers to the accompanying or following description; otherwise the description refers to a marking in another picture.

4 Regulations for the use of the A 1500 Vacuum-Lifter

Please pay particular attention to the information concerning the use of the machine.



Attention: danger of injury!!
Inappropriate use leads to personal injuries and damage to materials!!



This machine is especially conceived for one or several application fields.
 The following Chapter explains the possible applications and the possible dangers during the operation.

4.1 Field of Application of the A 1500 Vacuum-Lifter and Weight Capacity

You have purchased a quality product of WEHA-Ludwig Werwein GmbH.

The A 1500 vacuum-lifter is a helping device, to facilitate the easy transposing of objects, e.g. monument stones, and assist you in your work.

Please note the following special characteristics:

- Easy and fast movement of stone slabs, without electricity
- The A 1500 vacuum-lifter facilitates the transfer and movement of granite, marble, quartz, quartzite slabs, steel, and other sheet material.
- Robust overall structural construction
- Visual Pressure Gauge directly in front of the user to monitor and control vacuum pressure
- **Each Vacuum Cup is rated for 300 lb lifting Capacity.** This 5 Pad A 1500 Vacuum Lifter offers a **max capacity of 1500 lbs** when using all 5 cups. When using less than 5 cups, the weight capacity will change based upon the number of pads in operation.
 Example: 3 pads being used offers a maximum capacity of 900 lbs. If only using the 1 center pad, the maximum weight capacity will be 300 lbs.

4.2 Inappropriate Application

The A 1500 Vacuum-lifter is to be exclusively used to move stone slabs.

- Use the A 1500 Vacuum-lifter for the intended purposes and do without means, which can damage the metal or other parts!
- The A 1500 Vacuum-Lifter is completely and particularly appropriate for the indicated ranges of application.
- Do not place any object between the stone slab and the sealing lip of the A 1500 Vacuum-lifter.
- **Never walk or stand under a moving load!**
- **Never lift slabs that have ice on them or have been waxed.**
- **Never lift a slab until the pressure gauge is in the Green pressure.**

4.3 Safety Regulations

- Please read thoroughly these operating instructions before using the A 1500 vacuum-lifter.
- Keep these operating instructions carefully in the proximity of the A 1500 vacuum-lifter, for a future reference when in doubt.
- Unconventional changes or installing of additional devices will lead to the cancellation of any liability by the dealer or manufacturer!
- Remove all articles from the work area, which can be a possible source of danger!
- The A 1500 vacuum-lifter may only be used by authorized persons. Each user must have read and understood this documentation.
- Before each use check the basic parts and welding seams for damages! In case of defects don't use the A 1500 vacuum-lifter, the use by unauthorized persons must be prevented by suitable measures!

- Check the sealing lip for damage and in case of damage take out of operation, by making the machine unusable making sure that there's no danger to other people!
- Remove all articles from the work area, which can be a possible source of danger!
- Make sure that the area, on which you put the stone slab, has adequate load capacity!
- Make sure that the sealing lip of the A 1500 vacuum-lifter is completely in contact with the stone slab!
- Make sure that the stone slab is dry and dust-free before coming in contact with the A 1500 vacuum-lifter. The surface of the stone slab must be smoothly ground at the contact surface of the A 1500 vacuum-lifter. The face of the stone slab must be on an even plane!
- Make sure that the A 1500 vacuum-lifter is placed in the center of gravity/middle of the stone slab. Consider the possible subsidence too! In the event the slant is too severe, the A 1500 vacuum-lifter must then be re-centered!
- The compressed air feed supply may not be switched off, when the A 1500 vacuum-lifter is applied to the stone plate!
- Avoid excessive swinging or vibration of the moving load!
- Only one stone slab at a time may be lifted and transported by means of the Vacuum-lifter T!
- Keep the working area clean and provide sufficient lighting!
- Never walk or stand under moving load!
- While handling the A 1500 vacuum-lifter always wear the appropriate protective clothing, in accordance with the valid rules for the prevention of accidents!
- This includes:
 - Working gloves and working clothes in accordance with the valid regulations!
 - Safety shoes in accordance with the valid regulations!
 - Protection for the Hearing and Eye Protection in accordance with the valid regulations!
 - Use exclusively for the characteristics of the Device suitable Work Pieces, such as Stone Plates Materials without cracks („Solid“ Stone Plates)!
- Check to ensure during use that nobody is in the proximity of the equipment, in order to avoid danger to other personnel!
- Check to see whether or not all the parts are correctly installed!
- In case of damage or malfunction of the machine, please contact the dealer or the manufacturer immediately!
- Protect the machine against the weather elements, e.g. rain, sun, humidity and moisture etc.!
- In case of irreparable damage or other reasons which prevent the use of the machine in the long-term, cease its operation, by making the machine unusable thus making sure that there's no danger to other people!
- If disposing of the machine or parts thereof, dismantle and separate the different materials which can then be disposed of for recycling purposes!



4.4 Safety Devices of the A 1500 Vacuum-Lifter

The A 1500 vacuum-lifter has been manufactured according to the general regulations for mechanical engineering.




Safety features include:

- A vacuum gauge for constant vacuum control during the lifting process.
- The audible alarm sounds when the warning device is switched on and if the required vacuum condition is falling.
- A Vacuum storage tank, to enable a slowing down of a possible vacuum loss.

4.5 A 1500 Vacuum-Lifter Identification Plate

The identification plate informs about the origin, identity as well as year of construction and, if necessary, about the maximum carrying capacity.

By the supply please compare the identification plate with the data on the first side of the operating instructions. If the data differ from each other, please contact immediately the dealer or the manufacturer.

Lieferer:	 D-86343 Königsbrunn	 
Bezeichnung:		
Typ:		
Fabrik-Nr.		
Baujahr:		
max. Tragfk.		

4.6 Required Air Supply

Air Compressor Requirements	Required Air Pressure: Minimum 87 PSI(6 bar)- Max 116 PSI(8 bar). Minium 4CFM
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5 Assembly

Please read carefully the information in the chapter "Assembly" and follow it precisely. The manufacturer or the company WEHA-Ludwig Werwein GmbH will not be liable for any damage due to incorrect assembly.

On receipt, check the supplied commodity for any damage during transportation and packing. Advise the manufacturer/agent immediately about any damage!



Any defects, which are caused by incorrect assembly and operation, are excluded from the guarantee by the dealer and / or manufacturer!



Please follow precisely the safety regulations in chapter 4.3!

5.1 Removing of the Transport Packing Materials

The A 1500vacuum-lifter is usually delivered in cardboard packaging.

Before unpacking please compare the attached delivery note with the supplied articles!

Remove the transportation packing:

- Release the adhesive strips and/or the strapping belts and unpack the contents carefully!
- Be careful by unpacking the Vacuum-Lifter T, in order to prevent it from damage!
- Heavy contact of the vacuum lifter on sharp edges can damage the surface protection and/or parts of the assembly!
- Dispose of the packing wastes for recycling according to the local guidelines!

5.2 Scope of Supply

Before beginning the assembly, please check precisely to see whether all necessary parts are available. If the scope of the supply is not complete contact the dealer or the manufacturer immediately.

Scope of supply consists of:

- 1 x Vacuum-Lifter T
- 1 x Operation and Service Instructions Manual

5.3 Assembly Instructions

The A 1500 Vacuum lifter comes with: 5 Vacuum Cups, 2 Extension Bars, 2 Cross Bars. Configurations can vary depending on customer preferred use.

4 of the vacuum cups slide onto the extension bar or cross bars, depending on preference. The Center Vacuum Cup is bolted on using the bolt provided. Install Tip: It may be easier to remove the 4 screws and plate from the vacuum cup and tighten the man bolt. Then reattach the 4 screws for faster installion. Attach the quick connect air hoses from the vacuum cup to the individual red on/off valves.

Insert the 2 Extension bars, one for each side. Tighten with bolt to lock secure the extension.

Slide the cross bar onto the extension bar. It will lock into place at each hole via a pin. Pull the pin and slide the cross bar at the preferred location.

Connect the air hose to the air ejector (# 12 on the diagram) at the top of the lifter.

For video of Assembly and Use please visit www.wehausa.com and search A 1500. Or a direct link is <https://www.wehausa.com/A-1500-Venturi-Vacuum-Lifter-Granite-Stone-p/138514.htm>



6 Maintenance



The following instructions lists the procedures that the Operator of the Vacuum-Lifter T must attend to, performed by an individual with the appropriate knowledge!

The Manufacturer is not responsible for any eventual damages caused by neglect in observing these Instructions!



Pay strict attention to the Safety Precaution Instructions!

5.4 Inspection

- The Vacuum-Lifter is a Lifting Device Attachment! The Vacuum-Lifter Operator who applies this Unit, is responsible that the A 1500 Vacuum-Lifter is to be tested in accordance with the applicable guidelines in intervals from each year to be conducted by a knowledgeable expert! (§ 23, Abs. 2, BGV D6)
- The next Examination Date of the Vacuum-Lifter is shown on the Yellow Inspection Label „Next Inspection Date“. (e.g. in April 2012)
- Repairs and Welding tasks (danger of poisoning vapors) may be conducted only by competent, knowledgeable experts
- If you so wish, you may have your Vacuum-Lifter inspected by the Company Weha-Ludwig Werwein GmbH in Königsbrunn. Give us a call!



Pay strict attention to the Safety Precautions Instructions according to Chapter 4.3!

This inspection must be conducted at least once a year.

- Inspection process of the A 1500 Vacuum-Lifter for rust spots and in particular the welding seams.
- Remove these rust spots and use a suitable protective spray on the surfaces, e.g. Zink Spray.
- Examine all of the screw connections of the A 1500 Vacuum-Lifter against loose fit and tighten the screws accordingly.
- Examine the Rubber Sealing Lip for any damage and exchange if the need arises, however through the distributor or the manufacturer.



Repairs and Welding (Danger of Poisoning!) may only be accomplished by individuals who are competent and knowledgeable of the work involved!



6 Parts Specification List

In the following chapter the Parts Specification List for the A 1500 Vacuum-Lifter are outlined.

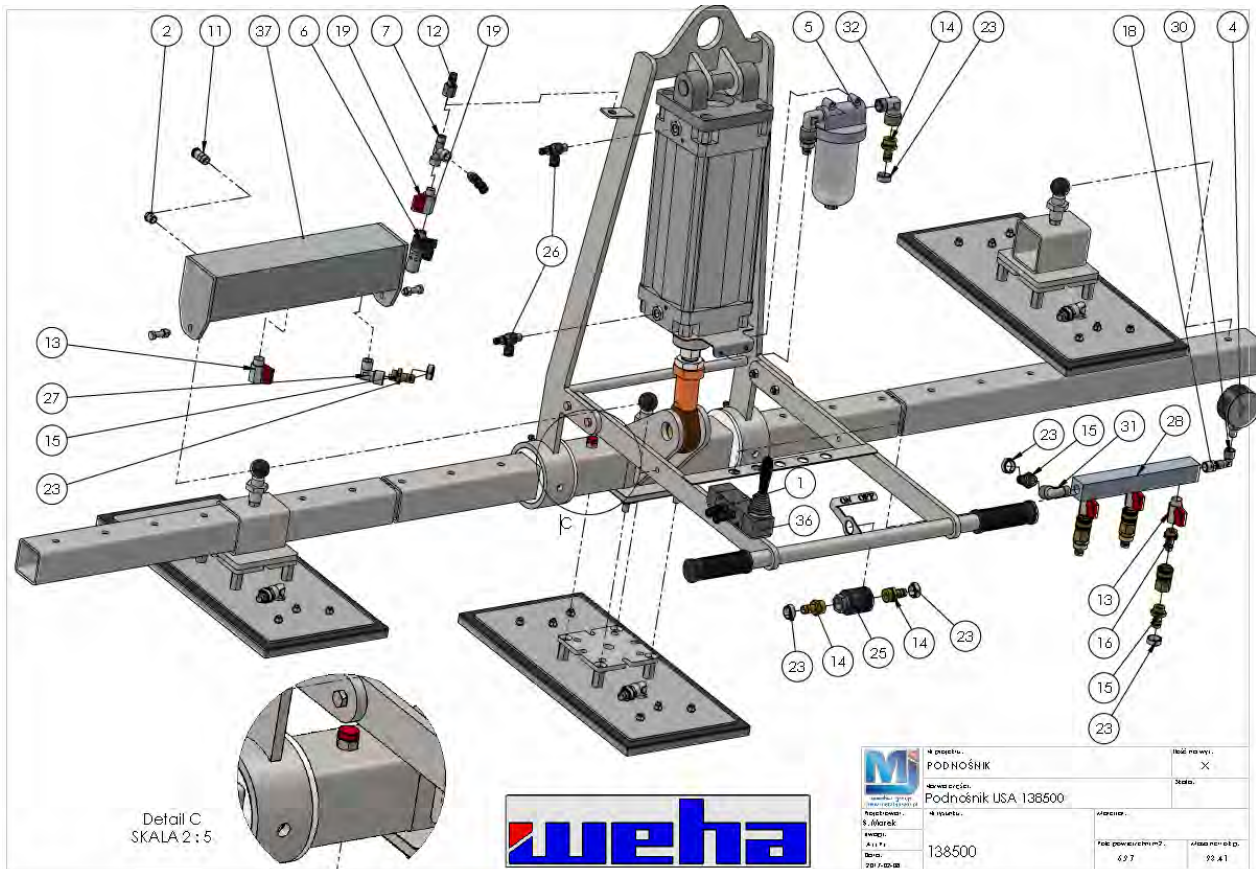
Please, when ordering replacement parts, provide only complete information detailed in the parts specifications list which will lead to a smooth execution of your order! When ordering, always indicate in your order the quantities, nomenclature of the parts, article numbers and at the same time, the standard Abbreviation. Including photos of your existing lifter is also helpful to ensure the exact part that needs replacing



Repairs may only be conducted only by the Manufacturer!



Independent repairing or the installation of additional devices leads to the cancellation of any Liability- and Guarantee / Warranty claims through the Distributor or Manufacturer!



Part Number	Name	Code
1	Angle for Joystick Box	123465
4	Manometer	106288
5	Water seperator	115581
6	Ejector	118952
7	T Angle	124848
11	Check Valve	129785
25	Hand Slide Valve	121117
26	Valve (Postion Cylinder)	121582
36	Box with Joystick	117221

Possible Pad Configurations:

