

WARRANTY CARD

1. KH Trading machines and tools are covered by 6/24 months warranty, starting on the date of purchase, as described in the Civil Code (proof of purchase or invoice receipt must be enclosed with the warranty card when making a claim).
2. This warranty does not cover defects caused by unprofessional handling, machine overloads, not complying with instructions contained in this manual, using accessories that are not approved, unauthorized repair, regular wear and tear and damages occurred during transport. Further, this warranty does not cover parts and accessories such as the motor, carbon brushes, seals and hot-air operated parts and parts that need to be changed regularly.
3. If the repair is to be found as not covered by the warranty policy, all costs including the repair and shipping to and from the repair centre will be paid by the customer, according to valid price list. See www.
4. When making a claim, you must present the warranty card, showing the date of the purchase, the serial number of the machine, vendor stamp and signature of sales clerk, as well as the proof of purchase receipt.
5. Warranty claim shall be made at the vendor shop where you bought your machine or you may mail it to a service centre. The vendor is obligated to fill out the warranty card (date of sale, serial number, vendor stamp and signature). All these information must be filled in at the time of sale.
6. The warranty period will be extended for the period of time for which the machine has been in the service centre possession. If the repair or defect is not covered by the warranty policy, all costs including the repair and shipping will be paid by the owner of the machine / tool. We recommend sending the machine in its original packaging. Please, also enclose brief description of the defect with the packaging.
7. Before sending the machine for repair, clean it thoroughly. If the received machine is dirty, it may be rejected by the service shop or you may be charged a cleaning fee.

SERVICE

Logistic centre Klecany

Topolová 483

250 67 Klecany

Czech Republic

Claim department phone number: 266 190 156

266 190 111

Fax:

260 190 100

T-mobile: 603 414 975

O2: 601 218 255

Vodafone: 608 227 255

<http://www.KHnet.cz>

Email: servis@KHnet.cz

Product: MANUAL PIPE AND ROD BENDING MACHINE MPB - 22	
Type: MPB20	Serial number (product series):
Date of manufacture:	Repair centre notes:
Date of sale, stamp, signature:	

Without the correctly filled warranty card or without proof of purchase receipt, including the product type (invoice, purchase receipt) no warranty claim will be processed.

uni-max

USER'S MANUAL

MANUAL PIPE AND ROD BENDING MACHINE MPB - 22



MPB22

MAINTENANCE

- Keep your tools clean. Dirt may enter the inner mechanism of your machine and cause damage.
- Do not use aggressive cleaning solution or paint thinners for cleaning.
- Clean plastic parts with soft cloth dipped in soapy water.
- Clean and treat metal surfaces with a cloth dipped in paraffin oil.
- If you are not using your device, lubricate it with suitable grease and store it in a dry place to prevent corrosion.

Lubrication

Regularly lubricate the base stud, pulleys and the screw with nut with suitable grease.

DISPOSAL

When the operational life of your machine is over, dispose off it in accordance with valid rules and regulations. Your product is made of metal and plastic parts that may be recycled when separated.

1. Disassemble all parts.
2. Separate all parts according to the material they are made of (e.g. metals, rubber, plastics, etc.).
Take the separated parts to the recycling facility near you for further processing.

Information about the locations of recycling centres may be found at your local City office or throughout an Internet search.

CAUTION

If the machine breaks down, send it back to the vendor for quick repair.
Please, enclose brief description of the defect. That makes repair easier. If the machine is still covered by warranty, enclose the warranty card and proof of purchase receipt. After the warranty period expires, we repair your machine for a special price.

To prevent possible damages during shipping, packed the machine carefully or use the original packaging material. We are not liable for shipping damages due to incorrect packaging of your machine. If making a claim at the shipping company the level and method of packaging plays a major role during claim evaluation process.

Note: Pictures and contents in this manual may slightly differ from the actual product or accessories. It is due to continuous improvement of our products. Such small differences have no effect on the product functionality.

SAFETY PRECAUTIONS

- **This device may be used by a qualified person, 18 years or older who has been trained in work and environmental safety procedures.**
- **Any person using this equipment must possess a medical certificate demonstrating his eligibility to operate this equipment.**

Symbols used in this manual



Warning!

This symbol informs you about the risk of personal injury or damage to the machine or materials.



Warning!

Danger of damage.



Note:

Additional information.



General information

- Plastic bags and packaging materials pose danger for small children and animals.
- Make sure you know your tool and you are familiar with its operating procedure. Know the hazards if not used correctly.
- Make sure the user of the tool has been thoroughly introduced with the handling, operation, elements of this tool and with the possible dangers, resulting from its use.
- Keep your working place clean. Disorganized working area may cause accidents.
- Never work in tight spaces or in purely lit rooms. Make sure that the floor is stable and that your work may be done comfortably. Always keep stable posture.
- Stay focused and use all your senses. Pay attention to the working procedure. Do not continue to work if you cannot pay attention.
- Maintain your tools clean.
- Handles must be kept free of grease and dirt.
- Make sure no children, unauthorized persons or animals have access to your workshop.
- Never put your hands or legs inside the working area.
- Never leave your machine unattended during operation.
- Use only for purposes for which it has been designed.
- Use personal protective gear such as safety goggles, ear protection, respirator, safe working shoes etc.
- Do not overreach and use both hands.
- Never work under the influence of alcohol or other drugs.
- Do not use the machine if you feel dizzy or weak.
- Any modifications or improvements to the machine are strictly prohibited. DO NOT USE if you discover any cracks or damages to the machine.
- Never perform any maintenance while the machine is in use.
- If you see any unusual sign or hear any strange sound, switch off your machine and stop working immediately.

- Do not forget to remove all wrenches and screwdrivers from you machine after use.
- Before use, make sure that all screws are tightened securely.
- Perform maintenance regularly. Before use make sure the machine is in good working condition and without any damage.
- Use only original spare parts during repairs.
- Using non-original spare parts or other parts not approved by the manufacturer may cause injury to the operating personnel.
- Use the appropriate tool or device for particular type of work. Do not overload your device or accessories. Do not attempt to use the device with insufficient power to perform heavy duty work.
- Do not overload your machine. Measure the work load in such way, so it could be done with comfortable speed. Damages due to machine overload are not covered by warranty.
- Do not expose to extremely high temperatures or direct sunlight.
- This machine is not designed for use in humid environments or under water.
- if you are not using your machine, store it in a dry and safe place, out of reach of children.
- Before turning your machine on, make sure that all safety elements are working properly and effectively. Make sure all moving parts are in good working conditions.
- Before use make sure that no part is cracked or stuck, Make sure all parts are attached and assembled as designed. Beware of all other conditions that may have a negative effect on the proper functioning of your device.
- If not stated otherwise in this manual, all damaged parts must be repaired or changed.

Fine mechanics

- Never use a clamp to hold your machine.
- Protect you device from impact and fall. After you finish your work, place your machine back to the protective case.

Assembly

- Do not use the device unless completely assembled in accordance with the instructions contained in this manual.

Bending procedures

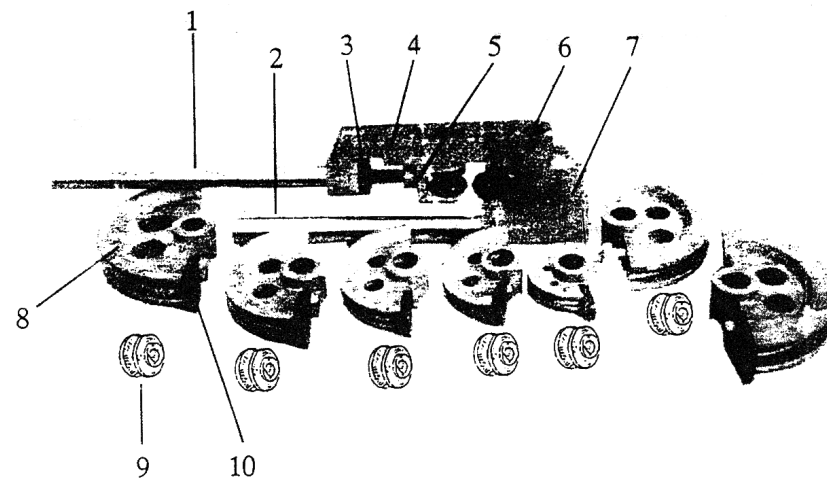
- Make sure to mount your machine to a worktable that will support the forces during bending procedures.
- Do not use your device for pipe or rod bending that have greater thickness, width or strength than allowed by the technical specifications.
- Do not use for hardened steel or materials.
- Do not touch the gear-box mechanism while working to prevent possible injury.
- Do not put your hands into the bending space.
- When working steel pipes, use gloves to prevent cuts and other similar injuries.

ASSEMBLY

- Before throwing the packaging material out, make sure no part is left inside. If so, take it out and install it. Use the part listing for check-up and the installation drawing for guidance.
- Fix the base (7) securely to the worktable. The table must be strong enough to support the forces used during bending process.

OPERATION

Description



- 1 - Handle
- 2 - Handle extension
- 3 - Nut
- 4 - Bending arm
- 5 - Pulley seat
- 6 - Shaft
- 7 - Base
- 8 - Bending die
- 9 - Pulley
- 10 - Stopper

- Based on the dimensions of the pipe, choose the appropriate bending die from the available dies (8) and pulleys (9).
- Place the die (8) on the base stud (7).
- Mount the appropriate pulley (9) to the bending handle.
- Turn the nut (3) to set correct distance between the die and pulley.
- Hold and turn the handle to bend the pipe around the die.
- Before performing the bending process lubricate the die and the pulley with oil to lower the friction and resistance.



Detailed description of the use of this device is not included in this manual, because the manufacturer / distributor assumes that the user is experienced in similar type of work. Also according to the applicable law, this device is considered as a commonly sold and used tool. If the user is unfamiliar with the use of this device, we recommend finding out more information about using this device at the Department of work safety.