



SHENZHEN KEDES MACHERY & EQUIPMENT CO., LTD.

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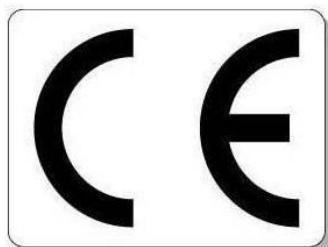
DC Series

Pipe Beveling Machine

## **User Manual**

◎ Thank you for purchasing KEDES Machinery products.

◎ Before installation and operation, please read this manual carefully and keep it for future reference.





## Table of Contents

### Section 1: Operation Safety

1. Maintain Safety Awareness
2. Risk of Electric Shock
3. Cutting Injuries
4. Cleaning and Maintaining Equipment
5. Notes

### Section 2: Specifications and Parameters

### Section 3: Packaging

1. Packing List

### Section 4: Installation and Use

1. Installation Instructions
2. Changing the Clamp
3. Installing the Blade

### Section 5: Operation Steps

### Section 6: Maintenance and Troubleshooting

1. Notes
2. Troubleshooting
3. Maintenance and Repair
4. Information Feedback

## Section 1: Operation Safety

The pipe beveling machine produced by our company is small in size, lightweight, and portable. It uses rechargeable batteries, making it more suitable for outdoor work needs. Before use, please refer to the manual for proper operation. Incorrect operation may cause unexpected injuries and damage to the equipment.

1. Ensure that the machine is in good operating condition before use.
2. Carefully read the safety manual and familiarize yourself with the equipment.
3. To prevent accidents, workers should receive professional training before use, and corresponding rules and regulations should be established.
4. This equipment is only for pipe beveling purposes; do not use it for other tasks. Any damage to the machine or injuries caused by misuse will be the responsibility of the buyer.
5. Ensure that the pipe dimensions for beveling are correct, and use the proper clamps. Do not exceed the specified range to avoid damaging the equipment.
6. Before using the machine every day, check if the battery is fully charged, the blade is not damaged, and the machine operates without any abnormal noises. If any issues are found, conduct a timely check and repair to ensure smooth operation.
7. Only qualified personnel or those who have received training may use this equipment. Unauthorized personnel should not operate it.
8. When not in use, clean the equipment, charge the battery fully, and store it in a toolbox to prevent moisture or impact.

### Maintain Safety Awareness

1. Report any abnormality in the machine to the responsible person immediately.
2. Always wear protective gear to avoid burns from metal shavings or injury from debris.
3. Do not touch rotating parts (such as the cutter head) to prevent entanglement and injury.
4. Use the machine in dry environments, and avoid using it in flammable, explosive, or humid conditions to prevent damage to the machine or greater accidents.

### Risk of Electric Shock

1. If the motor casing is damaged, it should be repaired immediately. Do not touch exposed parts to avoid electric shock.
2. Keep the blade away from personnel and wires.
3. Ensure that the iron shavings from the beveling process fall into the recycling box to prevent burns.
4. Always be aware of the surroundings when using the equipment.



### Cutting Injuries

1. Do not touch the rotating parts when beveling.
2. Always wear protective gear during beveling.

### Cleaning and Maintaining Equipment

1. Recycle valuable scrap material.
2. Remove unnecessary debris.
3. Keep the equipment's appearance clean and neat.

### Notes

1. All knobs on the motor have been set at the factory. To use, simply install the battery and press the power switch to start. (Adjusting the knobs may lead to poor beveling performance or abnormal operation.)
2. The beveling blade is a consumable item. Please contact the company for replacement blades. Any damage to the equipment or unsatisfactory beveling results caused by using self-purchased blades will be at the customer's own risk.
3. Contact: Ms. Luo, Tel: 19166278852 (also on WeChat).

## Section 2: Specifications and Parameters

Model No.	Diameter Range	Thickness	Weight	Remarks
LPM-1.0DC	6-25.4mm	<3mm	2.8kg ((including battery))	Two batteries, one charger
LPM-1.5DC	6-38mm	<3mm	2.9kg (including battery)	Two batteries, one charger
LPM-2.5DC	6-65mm	<3mm	6KG (including motor)	Two batteries, one charger
LPM-4.5DC	12-115mm	<3mm	7KG (including motor)	Two batteries, one charger

### Product Application

Biopharmaceuticals	Food, Dairy, and Beverage Machinery	Aerospace	Semiconductors, Solar Energy, and Photovoltaics
Petrochemicals	Special Gas and Pure Water Pipelines	Nuclear Industry	Shipbuilding

## Section 3: Packaging



### List

Item	Summary	Model No.	Quantity	Subtotal
1	Pipe Beveling Machine (6.35-25.4MM)	LPM-1.0DC	1 set	
2	Blades	165095	3 pcs	
3	Clamps DC1.0-XX	DC1.0-XX	5 pcs	
1	Pipe Beveling Machine (6.35-38.1MM)	DC1.5	1set	
2	Blades	165095	3 pcs	
3	Clamps DC1.5-XX	DC1.5-XX	7 pcs	

1. Germany Imported Metabo Motor - BS18LTT
2. Speed settings: 1st (0-450 RPM), 2nd (0-1600 RPM)
3. Two 18V-2.0Ah batteries and one DC30 charger (12V-18V)
4. EU CE Certification
5. Clamp Sizes for LPM-1.0DC: 6.35mm, 9.52mm, 12.7mm, 19.05mm, 25.4mm (5 sets)
6. Clamp Sizes for LPM-1.5DC: 6.35mm, 9.52mm, 12.7mm, 19.05mm, 25.4mm, 31.8mm, 38.1mm (7 sets)

## Section 4: Installation and Use

### 1. Installation Instructions

The machine is fully assembled and tested at the factory. When the customer receives the machine, simply take it out of the package, install the appropriate clamp according to the pipe specifications, insert the battery, place the machine steadily on the pipe, and press the motor switch to start the beveling process.

### 2. Changing the Clamp

1. Rotate the metal clamp handle (as shown in Figure 1) to remove the clamp.
2. Choose the appropriate clamp for the required pipe bevel and install it by following the reverse procedure.

**Picture 1**



### 3. Installing the Blade

Use the provided T-shaped screwdriver to insert it into the side of the machine (as shown) and rotate counterclockwise to loosen the screws. Remove the old blade and replace it with a new one.



## Section 5: Operation Steps

After installing the appropriate blade and clamp, insert the pipe into the clamp, leaving a 1-2mm gap between the pipe end and the blade edge. Once fixed, press the motor switch to start the rotation of the blade. Turn the feed wheel clockwise (as shown). Once the bevel meets the requirements, stop and reverse the feed wheel, then release the pipe to complete the beveling.



## Section 6: Maintenance and Troubleshooting

<b>Notes</b>	
Before Starting	Clean the blades.
Clean Tips	Clean the equipment after beveling and avoid using an air gun to blow debris to prevent it from entering the machine.
Maintainence	Maintain the equipment after each use by cleaning and adding lubricating oil.

## Troubleshooting

Problem	Cause	Solution
Beveling produces ripples or does not bevel	Blade screws loose or blade edge damaged	Tighten the screws or replace the blade
Pipe moves during beveling	Pipe not locked or incorrect clamp used	Tighten the clamp or check if the correct clamp is used
Blade does not rotate	Battery dead	Replace the battery
Excessive burrs on the bevel	Blade damaged or worn	Replace the blade
Beveling resistance too high	Low battery or worn blade	Replace the battery or blade
Feed wheel cannot bevel	Pipe is too far from the blade	Adjust the pipe-to-blade distance

## Maintenance and Repair

Maintenance and repair operations must be carried out by qualified professionals.

To ensure optimal performance of the equipment, it is recommended to use original spare parts.

**Important:** Before performing maintenance, ensure that the power supply has been completely disconnected.

Keep the original packaging for convenient transportation of the equipment and its accessories.

To maintain the equipment in optimal working condition, it is essential to keep the equipment clean.

After each use, the equipment should be thoroughly cleaned with a brush and coated with anti-rust oil.

Do not expose the equipment to damp, dirty, or cluttered environments.

**Important:** Do not place any foreign objects on the rotating shaft.

**Important:** When cleaning the equipment, it is recommended to use a brush.



## Information Feedback

Please contact our company before returning the equipment or its accessories for repair. We will provide guidance on transportation and transfer matters, as well as estimate the repair time and costs.

**Important:** Before returning the equipment, please include your name, contact information, a description of the issue, and any service requests. This will significantly enhance the quality and efficiency of our service.

### **Warranty Information:**

Our equipment undergoes rigorous inspection and quality checks before leaving the factory. If quality issues arise, please provide the product's certificate of conformity, which includes the production serial number, the purchase contract, or other written information. Upon submitting the warranty request, our company will provide warranty service based on the provided information.

### **Feedback Information:**

To continuously improve customer satisfaction with our products and services, we kindly ask you to complete the User Feedback Form. This helps us better understand your needs. Additionally, if you have suggestions for improving the operation or maintenance of the equipment, or any optimization of technical data, please contact us immediately. We will validate, modify, or update the product and this manual based on your valuable feedback.

## User Feedback Form

Dear User,

Hello! Thank you for using our product!

To continuously enhance customer satisfaction with the quality and service of our products, we kindly ask you to complete the User Feedback Form. This will allow us to better understand your needs. If you have better methods for operating or maintaining the equipment, or any suggestions for optimizing technical data, please contact us immediately. We will verify, modify, or update the product and this manual based on your generous guidance.



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Model No.: \_\_\_\_\_

Specification: \_\_\_\_\_

Serial Number: \_\_\_\_\_

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### **Overall Evaluation of the Product Used**

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### **Suggestions and Feedback on the Product Used**

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Date: \_\_\_\_\_ (Year/Month/Day)

(Signature/Stamp)

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We sincerely appreciate your support and cooperation. Please mail or fax this feedback form to our company. We will promptly verify your valuable information and include it in our database.