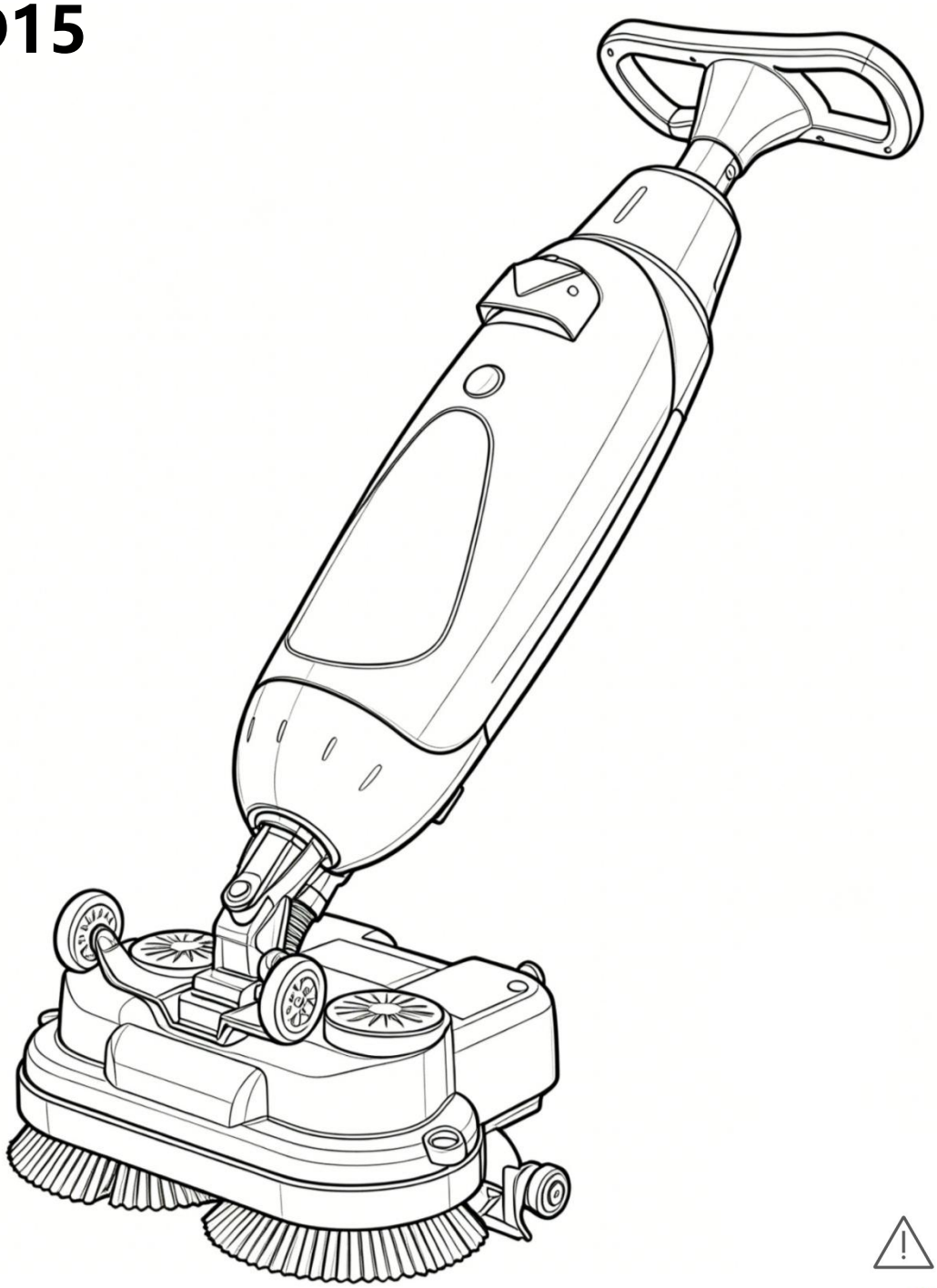
Mini Walk-behind Floor Scrubber

Instruction Manual

KRSD15



01/2026

Please read this manual carefully before operation/please properly keep it.

Preface

All models are enclosed with this manual. This manual provides necessary instructions for machine operation and maintenance.

Please read and understand this manual carefully before operating or using this machine.

Each new model is also enclosed with a complete parts manual, which shall be used when replacing the parts. In order to ensure timely delivery, please follow the instructions of "Parts Ordering Method" in the parts manual.

This machine can provide efficient service. Following these instructions, the machine can achieve the best results at the lowest cost:

- Operate the machine carefully.
- Maintain the machine regularly according to the maintenance instructions provided in the operation manual.
- Use parts manufactured by the original factory or of the same grade for maintenance.

Parts and supplies can be ordered online, by telephone, fax or e-mail.

Environmental protection

Please discard the packaging materials, old machine components such as batteries, antifreeze, oil and other toxic liquids under the premise of maintaining environmental safety according to your local waste disposal regulations.

Please do a good job in recycling.

Machine data

Please complete for future reference.

Model number- _____

Machine serial number-_____

Machine option- _____

Sales representative- _____

Sales representative's Tel- _____

Customer number- _____

Installation date- _____

Contents

1. General Safety Instructions 1
    1.1 Battery Charging Safety 1
    1.2 Operating Safety – Dangers 1
    1.3 Operating Safety – Cautions 1
    1.4 Machine Storage & Parking 2
2 Maintenance 2
3 Troubleshooting 3
4 Product Introduction 5
    4.1 Overview 5
    4.2 Working Principle 5
    4.3 Parts 5
    4.4 WARNING 5
5 Battery Installation 7
    5.1 Installing the Battery onto the Machine 7
    5.2 Battery: Installation and Connection 7
    5.3 Selecting a Battery Charger 7
6 Operating instruction 8
    6.2 Clean Water Tank 8
    6.3 Sewage Tank 8
    6.4 Sewage Tank Level Indicator 9
    6.5 Squeegee Installation, Adjustment & Rubber Replacement 9
    6.6 Moving the Machine (Non- Operating State) 9
    6.7 Disconnect the suction hose from the squeegee. 9
7 Routine Maintenance 10
    7.1 Daily Maintenance 10
    7.2 Weekly Maintenance 10
    7.3 Semi- Annual Maintenance 10
Product Warranty Certificate (Main Card) 11
Warranty regulations: 12
Product Warranty Certificate (Secondary Card) 13

1. General Safety Instructions

1.1 Battery Charging Safety

- If the charger power cord is damaged, it must be replaced by the manufacturer, authorized service personnel, or qualified technicians.
- Keep the battery away from sparks, fireworks, and flammable materials.
- Inspect the charger cable and power outlet before charging. Do not use if damaged.
- Do not disconnect the machine plug while charging (risk of electric arc). To stop charging, unplug from the wall socket first.

1.2 Operating Safety – Dangers

- In an emergency, turn off the main switch and remove the battery.
- **Do not clean** flammable gases, explosive/flammable liquids/powders, acids, or solvents (gasoline, paint thinner, acetone, aluminum/magnesium powder, etc.).
- Do not use in gas stations or explosive/hazardous environments.
- Only **trained, authorized personnel** may operate the machine.
- Do not use on slopes steeper than the rating on the serial plate.
- Not suitable for rough or uneven floors.
- In case of fire, use a fire extinguisher. **Do not use water.**
- Disconnect power and turn off the main switch when not in use.
- Do not operate if unfamiliar with the machine or under the influence of alcohol/drugs.
- Do not use while using mobile phones or other electronic devices.
- Do not use in dark, poorly lit areas or flammable environments.

1.3 Operating Safety – Cautions

- Do not allow fatigued persons, untrained individuals, or children to operate the machine. **Supervise children at all times.**
- Keep an eye on people nearby, especially children, during operation.
- Ensure the power supply voltage matches the machine rating.
- Do not cover labels. Replace damaged labels immediately.
- **Indoor use only**. Do not expose to rain, moisture, or outdoor conditions.
- Do not sweep burning materials (cigarettes, matches, embers).
- Wear protective gloves when handling detergents.
- Do not rest the brush tray on the floor when stationary.
- Do not allow foreign objects into the suction inlet. Do not use if blocked.
- Keep suction vents free of dust, hair, and debris.
- Check for leaks before starting.

- Ensure all safety devices are installed and functional.
- Tie back long hair, remove jewelry, and avoid loose clothing near moving parts.
- Do not transport or tilt the machine when clean water/sewage tanks are full.

1.4 Machine Storage & Parking

- Store in a dry, sheltered area. Protect from sun and rain.
- Do not park near flammable materials, gases, or liquids.
- Always park on a **level floor.**
- Turn off the main power before leaving the machine unattended.
- Storage temperature: **0°C ~ +40°C**, humidity: **30% ~ 95%.**

2 Maintenance

Danger:

- To avoid short circuits when working near electrical components, follow these steps: Do not use non-insulated tools; do not place or allow metal objects to fall on electrical components; remove any rings, watches, and/or clothing with metal parts that may come into contact with electrical components.

Warning:

- Before performing any maintenance or repair operations, carefully read all relevant instructions.
- If the machine does not work properly, check that the issue is not caused by a lack of routine maintenance. If it is, contact an authorized technical support center for assistance.
- Restore all electrical connections after any maintenance intervention.

Caution:

- For any maintenance work, turn off the machine using the main switch and remove the battery from the battery compartment.
- Avoid contact with moving parts. Do not wear loose clothing or jewelry; tie long hair back.

Note:

- Never modify the machine′s safety devices for any reason; always strictly follow the provided routine maintenance instructions.
- If you encounter any problems while using the machine, check to ensure they are not due to lack of proper maintenance. If they are, have the issue addressed by authorized personnel or an authorized service center.
- When replacing parts, request original equipment parts from the dealer or authorized retailer.
- To ensure the safe use and normal operation of the machine, perform the maintenance work specified in this manual.
- Do not wash the machine with direct or pressurized water streams or corrosive substances. If cleaning is needed, use a clean, wrung-out damp cloth.
- Have the machine inspected annually by an authorized technical support center.
- When disposing of consumable materials, comply with applicable laws and regulations. At the end of the

machine's service life, dispose of it properly according to the materials it contains, noting that the machine itself is made of fully recyclable materials.

- All repairs must be performed by qualified personnel.
- Do not physically alter the design characteristics of the machine.
- Use spare parts provided by authorized service centers.
- Wear personal protective equipment as required and recommended in the manual.

Transportation

Warning: Drain the clean water and sewage tanks before transportation.

Disposal

Note: At the end of the machine's service life, its battery contains toxic and harmful substances that must be disposed of at a battery disposal facility.

3 Troubleshooting

This chapter lists the most common problems related to using the machine. If you cannot resolve the issues with the information provided here, please contact the nearest service center.

Problem	Possible Causes	Solution
The machine does not start.	The main switch is off.	Press the main switch.
	Check if the battery is properly inserted into the machine.	Insert the battery correctly into the machine.
	Check the battery level by referring to the LED on the back of the machine.	The battery charge level is critical. Please perform a full charging cycle.
The battery does not charge correctly.	The power cable plug is not correctly inserted into the battery charger base socket.	Check if the plug on the battery charger power cable is connected to the socket on the battery charger base.
	The power cable plug is not correctly inserted into the power socket.	Check if the plug on the battery charger power cable is connected to the power outlet and that the outlet has power.
	The power specifications do not match the battery charger requirements.	Check if the specifications of the battery charger match those of the power supply.
	The LED on the battery charger base flashes repeatedly.	Refer to the battery charger's user and maintenance manual to check the meaning of the flashing signal during the charging phase.
The machine has insufficient power.	Check the battery level and ensure the voltage on the battery indicator is not lower than 23V.	The battery charge level is critical. Please perform a full charging cycle.

Low water output.	The clean water tank does not have enough water for operation.	Add an appropriate amount of clean water to the clean water tank.
Poor cleaning results.	The machine does not start.	Check if the main switch is pressed.
	Insufficient clean water output.	Check if the clean water tank is full.
	The brush is not properly inserted into the machine.	Insert the brush correctly into the machine.
	Excessive wear of the brush bristles.	Check the condition of the brush and replace it if necessary (see "Routine Maintenance").
The squeegee does not clean properly.	The vacuum device is clogged.	Remove residue from the squeegee blade.
		Remove residue from the suction hose.
		Remove obstructions from the sewage tank cover.
Excessive foam.	The detergent in use is unsuitable.	Check if a low-foam detergent is being used.
	The floor is not very dirty.	Further dilute the detergent in the solution tank.
Low vacuum suction power.	The sewage tank is full.	Empty the sewage tank.
	The vacuum device is clogged.	Remove residue from the vacuum device.

4 Product Introduction

4.1 Overview

The Electric Mini Double Scrubber is a compact cleaning appliance that washes and vacuums in one pass. Suitable for flat or moderately rough floors in commercial and industrial environments.

4.2 Working Principle

- Sprays diluted detergent onto the floor.
- Dual brushes scrub dirt.
- Vacuum motor picks up dirty water via the rear squeegee.

4.3 Parts



N0.	Name	N0.	Name
①	Handle	⑨	Suction motor
②	Sewage tank handle	⑩	Water inlet
③	Sewage tank	⑪	Clean water tank handle
④	Casters	⑫	Clean water tank
⑤	Battery cover	⑬	Grip
⑥	Battery cover screw	⑭	Suction assembly
⑦	Cover	⑮	Brush tray
⑧	Anti- collision wheel	⑯	

4.4 WARNING

- Please strictly follow this manual (especially important information regarding hazards or warnings) and the accompanying safety instructions. The manufacturer shall not be liable for any serious consequences arising from failure to operate in accordance with these instructions.
- The machine may only be operated by trained and competent personnel.
- Minors are not permitted to operate the machine.
- Do not use the machine in poorly lit areas, flammable or explosive environments, on public roads, or in places harmful to health.
- The designed operating temperature of the machine is 4°C to 35°C. Do not use the machine when the temperature is below 0°C or above 50°C.
- The recommended operating humidity range for the machine is 30% to 95%.
- Do not use the machine to absorb flammable and explosive liquids (such as gasoline, fuel oil, etc.), flammable gases, dry powders, or freshly diluted acids or solvents (such as paint thinners, acetone, etc.). Do not use it to absorb burning or hot objects.
- Do not use the machine on slopes steeper than 2 degrees. Do not operate the machine horizontally on gentle slopes. Operate carefully and do not reverse. When operating on steep slopes, take care to avoid the machine tipping over or accelerating out of control. Move slowly on slopes and raise the floor brush and squeegee.
- Do not park the machine on slopes.
- Before leaving the machine, you must turn off the motor to prevent accidental startup.
- Take care not to harm people around your workplace, especially children.
- Do not use the machine to carry people, objects, or pull items. Do not drag the machine.
- Do not place any objects on the machine.
- Do not block the ventilation heat dissipation openings.
- Do not remove or modify safety devices.
- Operators should use personal protective equipment, including protective aprons or work clothes, non-slip waterproof shoes, rubber gloves, goggles, ear protection, and masks to protect the respiratory tract.
- The recovered sewage contains detergents, disinfectants, water, organic and inorganic substances. Therefore, sewage must be discharged in accordance with local relevant regulations.

5 Battery Installation

When installing or maintaining the battery, the operator must wear necessary protective equipment (gloves, goggles, etc.) to reduce the risk of accidents. Keep away from open flames, avoid short circuits between electrodes, prevent electric sparks, and do not smoke.





5.1 Installing the Battery onto the Machine

Step.1: Loosen the battery compartment nut, open the compartment, and connect the battery cables.
Step.2: Close the battery compartment cover securely.
Before using the machine for the first time, charge the battery. Refer to the relevant instructions for details.

5.2 Battery: Installation and Connection

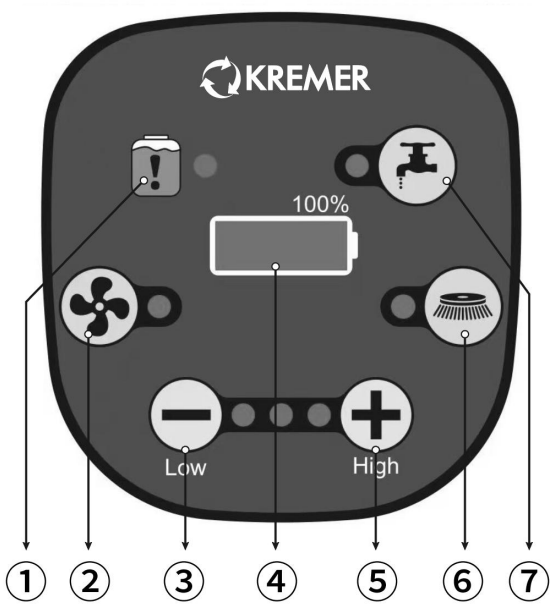
- Ensure all switches on the control panel are in the "0" (OFF) position.
- Connect the positive (+) marked connector of the battery cable to the positive terminal of the battery. Do not test the battery polarity by striking the terminals.
- Operate carefully as instructed, as a short circuit between the battery terminals may cause the battery to explode.
- Use appropriate equipment to lift and install the battery.
- The positive and negative connectors of the battery have different diameters to prevent incorrect connection.
- Do not over-discharge the battery, as this will cause irreversible damage.

5.3 Selecting a Battery Charger

- Ensure the charger is compatible with the battery to be charged.

6 Operating instruction

6.1 Operation Buttons Description



①	Full Waste Water Indicator
②	Suction Button
③	Speed -
④	Battery Level Gauge
⑤	Speed +
⑥	Brush Button
⑦	Water Volume Adjustment Button

6.2 Clean Water Tank

The clean water tank is located on the rear side of the machine, with a 4.5 L capacity. To remove it, pull it outwards as shown in the diagram. Open the blue cap to add clean water. For floors with stains or oil, you may add detergent in the recommended ratio.

Important: If detergent is added to the clean water tank, anti-foam agent must be added to the sewage tank to prevent foam from entering and damaging the suction motor.



6.3 Sewage Tank

The sewage tank is located on the front side of the machine, with a 7.5 L total capacity (max operating level: 5 L). When the water reaches the MAX level:

- Loosen the rear knob on the handle.
- Pull the tank outwards as shown in the diagram.
- Open the blue cap to empty the sewage.

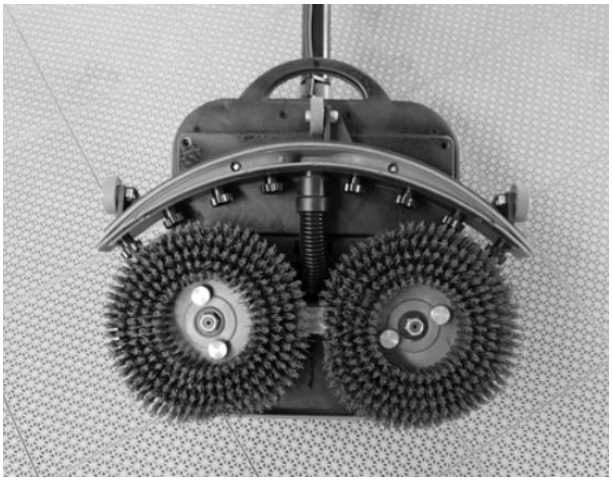
Important: If detergent was used, **anti-foam agent must be added to the sewage tank** to protect the suction motor.

6.4 Sewage Tank Level Indicator

Do not fill the sewage tank beyond the **blue maximum level line** on its side.

6.5 Squeegee Installation, Adjustment & Rubber Replacement

The squeegee is the first step in drying the floor. It is pre-installed on the machine at the factory and does not require initial assembly or adjustment.



Step.1: Ensure the suction hose is correctly inserted into the raised ring in the middle of the squeegee.

Step.2: Loosen the knobs on the inner side of the squeegee to replace the rubber blade.

Step.3: Tighten the squeegee knobs after replacing the rubber blade.

The squeegee rubber blade removes water and detergent from the floor to prepare for complete drying. Over time, the contact edge of the rubber may become rounded or cracked, reducing suction efficiency. Inspect the blade regularly and replace it when worn.

For optimal suction performance, the squeegee must be adjusted so that during operation, the rear rubber blade bends at a **45° angle** to the floor and maintains full contact. If the blade is worn, replace it with an original factory part.

6.6 Moving the Machine (Non- Operating State)

To move the machine when not in use, follow these steps:

Step.1: Lift the machine chassis so that the support wheels touch the ground.

Step.2: Hold the upper handle with one hand and the chassis handle with the other. Always carry the machine with both hands to avoid dropping it and causing damage.

Step.3: Place the machine in a safe location before starting work.

Replacing the Squeegee Rubber Blade

6.7 Disconnect the suction hose from the squeegee.

Step.1: Loosen the 8 inner knobs and remove the squeegee pressure plate from the mounting bracket.

Step.2: Release the rubber blade retainer lock.

Step.3: Pull the rubber blade retainer outwards from the squeegee frame and remove the old blade.

Step.4: Install the new rubber blade onto the squeegee frame.

Step.5: Align the rubber blade retainer with the screws on the squeegee frame, fit it into place, and push it inward.

Step.6: Secure the rubber blade retainer lock and tighten the knobs.

7 Routine Maintenance

7.1 Daily Maintenance

- After completing cleaning work each day, perform the following maintenance:
- Disconnect the machine power supply.
- Empty and clean the sewage tank.
- Clean the squeegee rubber blade and check its wear; replace it if necessary.
- Check the suction inlet of the squeegee for blockages and clear debris inside.

7.2 Weekly Maintenance

- Clean the float switch in the sewage tank to ensure proper operation.
- Clean the suction motor filter and check for damage; replace it if necessary.
- Clean the clean water filter in the clean water tank and check for damage; replace it if necessary.
- Clean the suction hose.
- Clean the clean water tank and sewage tank.

7.3 Semi- Annual Maintenance

- Have the electrical circuit inspected by a qualified professional.

8 Product Specifications

Category	Parameter
Cleaning width	430 mm
Squeegee width	430 mm
Brush width	215 mm
Solution tank capacity	4 L
Recovery tank capacity	6 L
Battery	36V/10.5Ah
Vacuum motor	150 W
Brush motor	200 W*2
Working Noise	65-73dB
Continuous operating time	1~1.5 h
Weight	18 kg
Max. coverage per hour	2200 ㎡/h
Product size	430*360*1160mm

9 EC Declaration of Conformity

Model Name: KRSD15
Model: Floor Scrubber
Brand: KREMER

We Matos Nederland B.V.,

Declare under our sole responsibility that this product is in conformity andaccordance with the following standards and regulations.

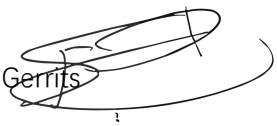
The under signed is responsible for the compilation of the technical documentation.

Satisfies the requirement of the Council Directives:
2014/30/EU Electromagnetic Compatibility Directive/Annex I
2014/35/EU Low Voltage Directive/Annex II

And conforms to the norms:
EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A14:2019+A2:2019+A15:2021
EN 62233:2008
EN IEC 55014-1:2021
EN IEC 55014-2:2021
EN IEC 61000-3-2:2019+A1:2021
EN 61000-3-3:2013+A1:2019+A2:2021
IEC 60335-1:2010 (including COR1:2010, COR2:2011, AMD1:2013, COR1:2014, AMD2:2016, COR1:2016)

Signature and Stamp on under signed responsible.
Date: May ,2026

Legal Representative:P.Gerrits



Product Warranty Certificate (Main Card)

(This warranty card is the main certificate of warranty service, please keep it properly.)

Warranty regulations:

During the warranty period, faults arising from normal use according to the instruction manual will be repaired free of charge. Please send the product to be repaired with this warranty certificate and invoice to the seller for repair free of charge.

Please kindly understand that, in any one of the following cases during the warranty period, the repair shall be a paid repair.

1. The original warranty certificate and valid invoice cannot be provided.
2. Faults or damages are caused by wrong use and improper repair or modification.
3. Failures or damages are caused by transportation, handling or falling after purchase.
4. Failures or damages are caused by using power sources other than those specified (voltage, frequency, etc.) or abnormal voltages.
5. Machine appearance, or accessories such as dust-proof piece, filter element, electric wire, hose and steel pipe, etc.

During the period stipulated in this warranty, repair will be provided free of charge according to the above agreed conditions. The warranty does not extend to other losses caused by the failures.

User's name: _____

Add: _____

Invoice number: _____

Date of purchase: _____

Seller: _____

Address: _____

Product Warranty Certificate (Secondary Card)

Product information			
Product model and name:			
Factory number:			
User information			
End user:		Tel:	
Address:		Fax:	
E-mail:		Postal code:	
Seller information			
Seller's name: (valid with seal)			
Add:			
Contact:			
Tel:			
Postal code:		Sale date:	

In order to honor the Company's service commitments and relieve worries of users with excellent service, the Company will establish user information files in the Customer Service Computer System.

1. Please be sure to complete the main card and the secondary card of the warranty certificate as soon as possible, and return the secondary card to the Customer Service Department of the Company for filing within 1 month of the purchase of the machine. The mailing address is as follows:

2.If the main card of the warranty certificate or the voucher of purchase of the machine is lost, you may check the Company's User Information Files for all services available.


KREMER