

# KEISER<sup>®</sup>tools<sup>®</sup>

## Mixing Station

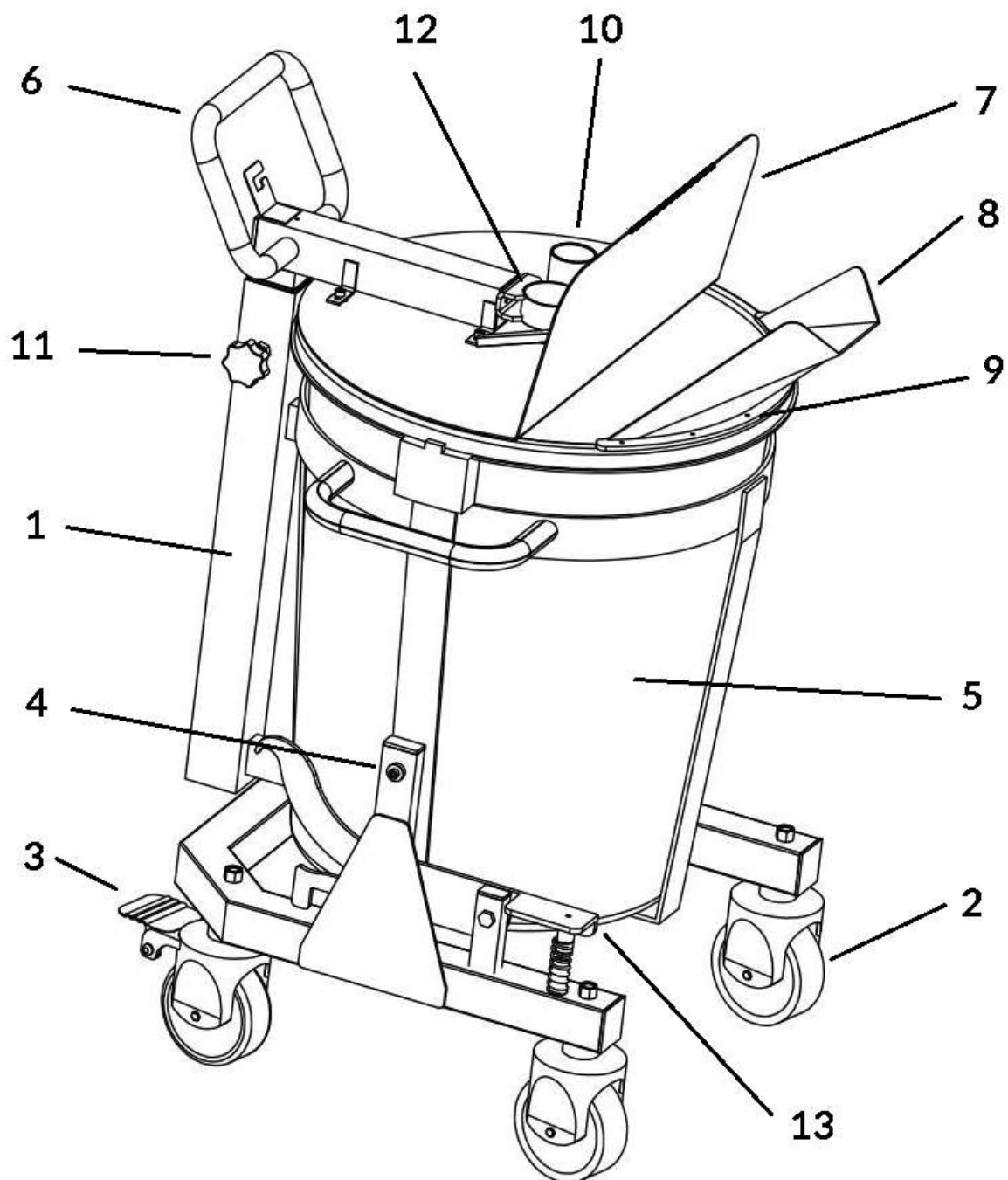
### Operating Manual

# KMX900



# ***KMX900***

## ***Mixing Station***



## Technical Data

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Model		KMX900
Power		1 900 W
Frequency		50/60 Hz
No-Load Speed	1 <sup>st</sup> Gear	50 – 300 rpm
	2 <sup>nd</sup> Gear	300 – 650 rpm
Weight		40 kg
Tub Capacity		100 Litres
Mixing Quantity		Up to 80 Litres
Mixing Tool Diameter		300 mm
Protection Class		IP II

## Machine Components

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1. Trolley
2. Rollers, steerable
3. Brake pedal
4. Tub holder, tiltable
5. Mixing tub, 100 litres
6. Handle
7. Dust cover
8. Pouring spout
9. Screw connections for spout
10. Fitting for vacuum cleaner hose
11. Release lever
12. Chuck for mixer
13. Release pedal

*Not all the accessories illustrated or described are included as standard delivery*



### **WARNING:**

Read all notes and instructions on safety.  
Failure to observe any of the notes and instructions on safety  
may result in an electric shock, fire and/or serious injury.

## Safety Precautions

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To be able to use the machine safely it is essential that you read the operating instructions and the safety instructions thoroughly and comply with all of them. The machine is to be used only by persons who have read the operating instructions and who are acquainted with the occupational safety and accident prevention regulations in force in your country.

In addition, you must also comply with the general safety instructions also included with the machine.

Take care to ensure that the mains power supply corresponds to the specifications on the rating plate.

Do not use the device in any environments with potentially explosive atmospheres. Do not mix any readily flammable solvents or solvent-containing substances with a flash point of below 21° C.

Take care to ensure that no liquid splashes against the motor housing and keep it away from the rain – risk of electric shock!

Never clean the machine with water – risk of electric shock!

Do not wind cables or leads around any parts of your body.

Do not use the machine with a damaged cable. Do not touch the cable and pull out the power plug immediately. There is an increased risk of electric shock from damaged cables. If the mains power cable has to be replaced (because of damage or similar), ensure that it is replaced by the manufacturer or an authorized representative of the manufacturer (electrician) in order to avoid any risk to safety.

Always hold the machine firmly with both hands when carrying out your work and make sure you have a secure footing.

Hold the machine by the insulated grip surfaces when carrying out work where it may be possible for the plug-in tool to come into contact with concealed power cables or the machine's own mains power cable. Contact with a live cable may make metal components of the machine live as well and could cause an electric shock.

Before starting up, check that the mixing rod is securely attached and rotates without a hitch.

Start up and run down the machine in the mixing container only. Ensure that the mixing container is stood in a firm and secure position.

Do not reach into the mixing container with your hands or insert any other objects into it while mixing is in progress. Risk of crushing!

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Wait until the machine or tool comes to a complete standstill. Rotating tools can snag and cause injuries or damage.

If the sound pressure level should exceed 85 dB (A) where you are working, use ear protection!

We recommend that you wear work gloves and protective goggles when using the mixer. Regulations require that you wear close-fitting clothing.

To protect yourself from harmful dust while mixing, wear a dust mask. Some mineral materials are deemed to be carcinogenic. Use a dust extractor wherever possible.

Always connect machines via a residual current device (RCD) with a rated residual current of 30 mA or less



Read and observe the operating instructions for the machine before you start it up!



Always wear protective goggles and ear protection while working.



It is advisable to wear a dust mask whenever working with materials which generate large amounts of dust.



Always wear protective gloves while working.

## Intended Use

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The KMX900 is a mixer designed for mixing:

- a) low-viscous, self-levelling floor coatings;
- b) cement-based levelling compounds;
- c) liquid plastics
- d) screeds, epoxy screeds ;

The recommended mixing volume is a maximum of 80 litres per mix (depending on the material). It is recommended that you check the amount of time required for mixing by running tests with the required material before you start work.

Please follow the manufacturer's processing instructions for the material used.

Any other use or use over and beyond the above is deemed not to be in accordance with the intended use and therefore misuse. This can have an adverse effect on safety and protection.



KEISERtools shall not accept liability for any resultant damage.  
Compliance with the intended use also includes  
Observance of all the instructions in the operating instructions  
Observance with all safety instructions  
Compliance with inspection and maintenance work requirements



The user shall be liable for damages arising from misuse.

## Foreseeable incorrect use

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Reasonably foreseeable incorrect use which could lead to danger or risks for the user, third parties or the machine are as follows:

The use of the machine and its accessories contrary to the intended use.

The operation of the machine with a mixing tool which is different to the one specified.

The use of a damaged container or a container which is unsuitable for the mixer.

Mixing plastic or high viscosity materials.

Mixing potentially explosive substances.

Mixing electrically conductive substances.

Mixing chemically aggressive substances and corrosive liquids.

Mixing foodstuffs.

Operation of the system beyond the physical limits for use specified in the chapter entitled "Initial start-up / Operation"

Use of the machine without the intended mixing tub or with an unsuitable tub.

Use of the machine in the maintenance position (drive unit swung up)

Overfilling the tub

Use of water jets or high-pressure cleaners for cleaning

Modifications to the mixer and additions or conversions without prior consultation with KEISERtools.

Bridging or deactivation of safety and protective precautions on the machine.

Repair, cleaning and maintenance work without the mixer having been disconnected from the main power supply



## Operation

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1. Fix the mixing station as shown in Fig 1, step on the brakes.

**Fig. 1**



2. Loosen the knob as shown in Fig 2, counter clockwise.

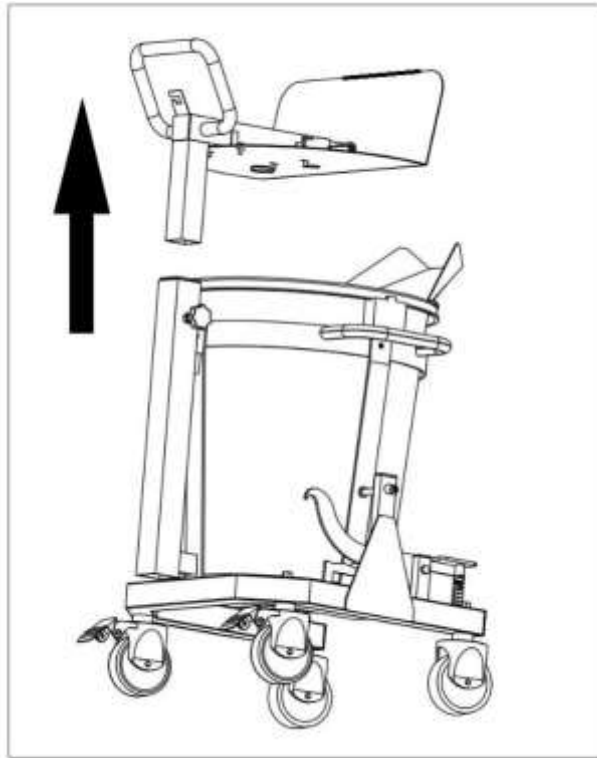
**Fig. 2**





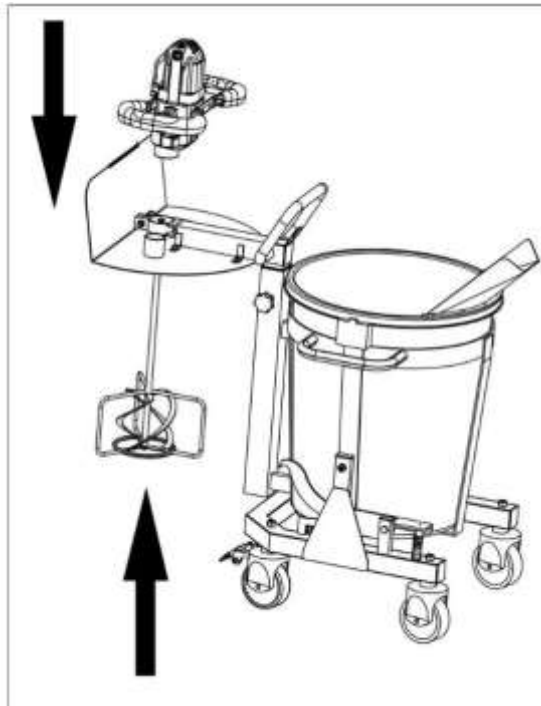
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3. Lift arm as shown in Fig 3, grab the handle and lift the arm

**Fig. 3**

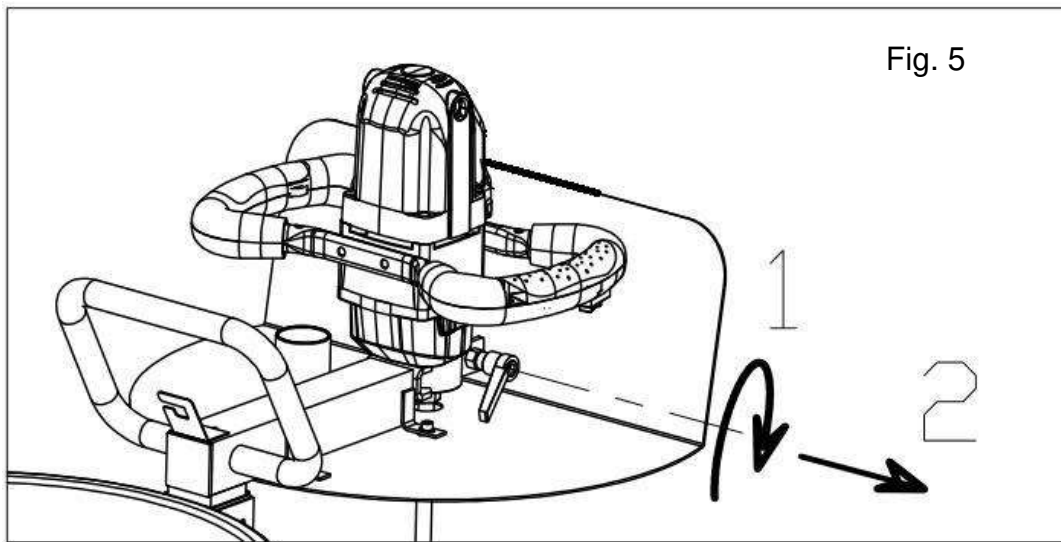


4. Fix the mixer and mixing tool as shown in Fig 4,
- Install the arm as shown.
  - Put the mixer into the chuck.
  - Screw the mixing tool into the mixer and tighten

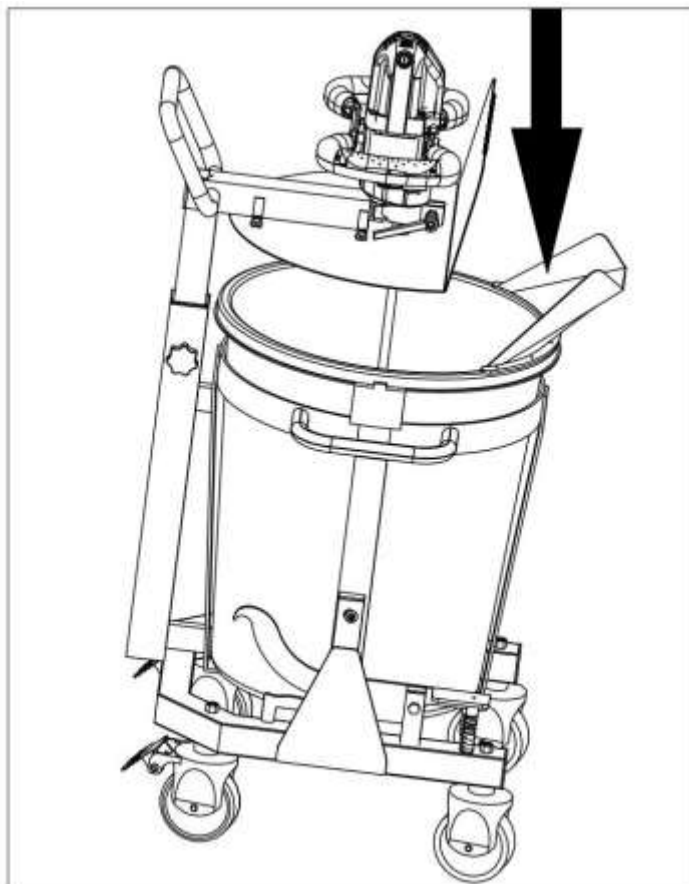
**Fig. 4**



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5. Tighten the chuck as shown in Fig 5,
- Rotate the wrench clockwise in the swivel space, as shown in step 1.
  - Then pull the wrench out and turn it counter clockwise, as shown in step 2
  - Release the wrench, it will automatically return, then repeat step 1 and step 2.

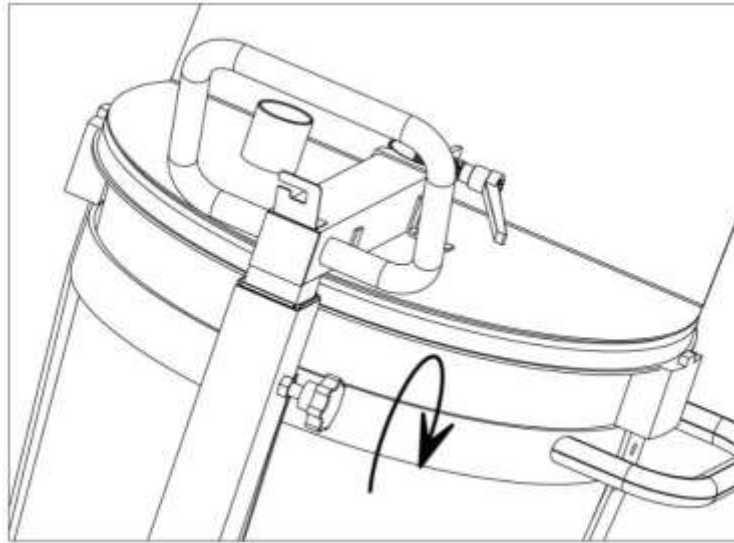


6. Put the arm back as shown in Fig 6,



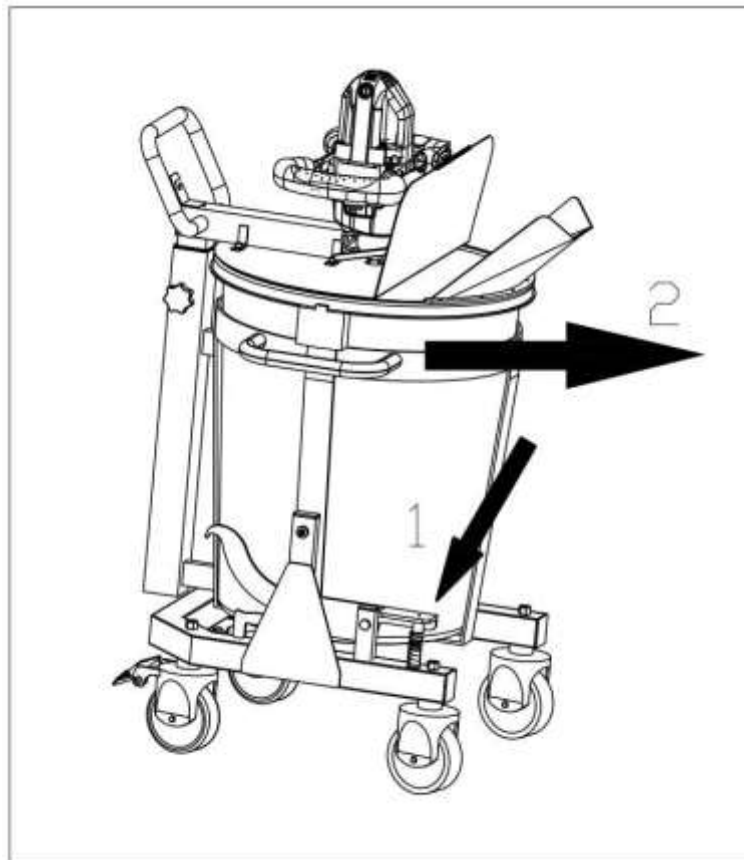
6. Tighten the knob as shown in Fig 7,

**Fig. 7**




7. Dump the material as shown in Fig 8,
- a. Step on the pedal, as shown in step 1.
  - b. Grab the side handle; swing the bucket stand, as shown in step 2.
  - c. As shown in Fig 9.

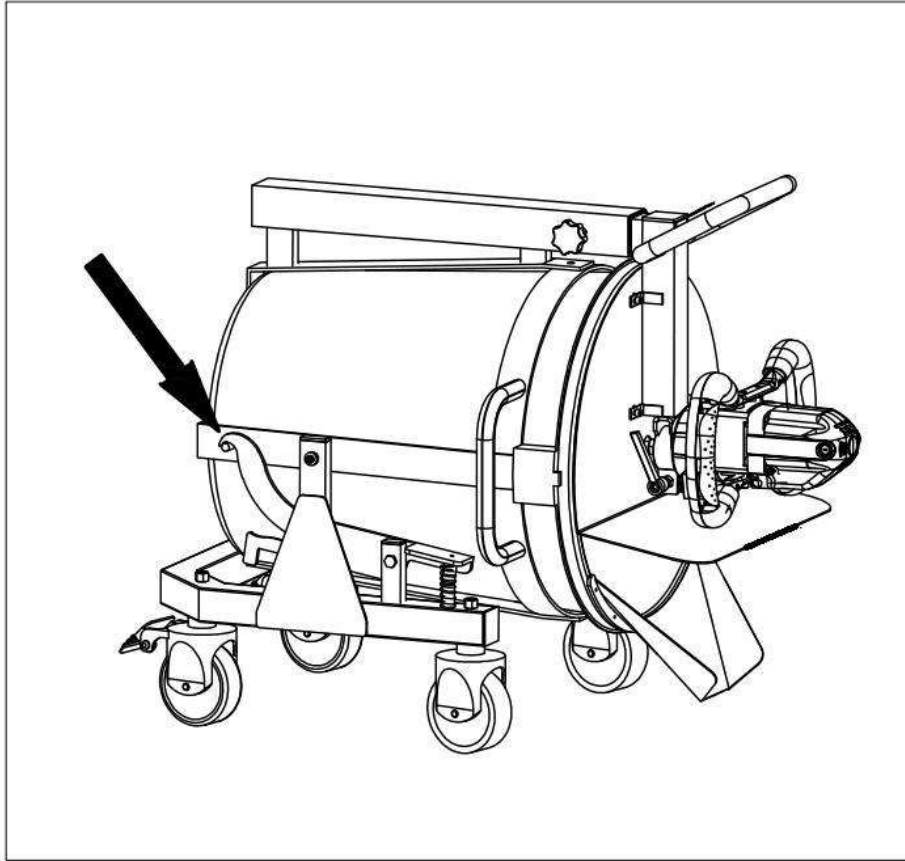
**Fig. 8**



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 Pay attention to hook when dumping, make sure you are not standing in the way.

**Fig. 9**





## Care and maintenance

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Before you carry out any operations on the machine, and especially when changing the mixing tool, always pull out the power plug out first.

Clean the machine and the mixing tool immediately after use.

Take the mixing tool out of the coupling after you have finished your work.

Grease the M14/M27 mount of the coupling at regular intervals with suitable grease.

Keep the ventilation slits clean and clear at all times so that the machine can be properly cooled. Blocked ventilation slits will lead to irreparable damage to the machine.

Make sure that the ON/OFF switch moves and releases smoothly at all times.

The machine is equipped with self-deactivating carbon brushes. This means that the machine will shut itself down once a certain level of wear is reached. The carbon brushes can be replaced by the authorized customer service centre or by the KEISERtools Service centre. Have repairs carried out only by an approved workshop or by your KEISERtools Service. Only use original KEISERtools accessories and replacement parts.

## Disposal

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The device, accessories and packaging should all be consigned for environment-friendly recycling. Electrical tools which have come to the end of their service lives must be made unusable by removing the mains power cable.

For EU countries only:

Do not dispose of electrical tools with household waste.  
In accordance with EU Directive 2002/96/ EC concerned with used electrical and electronic equipment and the incorporation of the requirements of the directive in national legislation, unusable electrical equipment must be collected separately and consigned for environment-friendly recycling.

## Warranty

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The manufacturer provides a warranty within the framework of his terms and conditions of delivery in accordance with the requirements of statutory/ country-specific provisions. Should you need to make a claim under the warranty, please provide us with your invoice or delivery note.

On no account will any warranty claims be accepted if any repairs are carried out by third parties. In the event of any irregularities, please send the machine to us. Complaints can only be accepted if the device is sent to the KEISERtools Service centre undismantled.

The warranty does not apply to damages caused by normal wear, overloading, improper handling, unsuitable accessories or inadequate maintenance.

Any structural or functional modifications to the machine which are made without our agreement shall render the warranty and the Declaration of Conformity null and void.

Subject to change.





**KEISER**tools®