

- 1 Selector slider
- 2 Trigger switch
- 3 Button for starting lockout
- 4 Carbon brush
- 5 Ventilation slits

- 6 Electronic speed adjustor
- 7 Neck of the machine
- 8 Spindle
- 9 Mixing paddle



Technical data

	TTM 1100		TTM 1300		TTM 1600	
Rated power:	1100 W		1300 W		1600 W	
Voltage:	230 V / 50 Hz	110 V / 60 Hz	230 V / 50 Hz	110 V / 60 Hz	230 V / 50 Hz	110 V / 60 Hz
Gears:	1		2		2	
RPM:	180-700		180-350 / 350-700		180-350 / 350-700	
Recommended paddle Ø:	Ø 120 mm		Ø 140 mm		Ø 160 mm	
Sound pressure level:	80 dB (A)		83 dB (A)		86 dB (A)	
Noise emission level:	92 dB (A)		94 dB (A)		98 dB (A)	
Hand-arm vibration:	< 1,8 m ²		< 1,9 m ²		< 2,0 m ²	
Protection class:	/ II		/ II		/ II	

Safety instructions



It is essential that you read these safety instructions thoroughly to ensure safe work conditions. The machine may only be used by people who are familiar with operating instructions and the regulations in force concerning work safety and accident prevention.

In addition, also read the general safety instructions included in the shipment.

Take care to ensure that the current voltage indicated on the rating label corresponds to that of the main power supply.

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

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

Use only cables approved for outdoor use. Never use the machine with a damaged cable.

Start up and run down the machine in the mixing container only. Ensure that the mixing container is placed 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.

Use ear protection, if the sound pressure level should exceed 85 dB (A) where you are working.

We recommend that you wear work gloves and protective goggles when using the mixer. Regulations require that you wear close-fitting clothing. Dust developing during the mixing procedure is harmful to one's health. Wear a dust protection mask.

Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.

Cutting accessory contacting a live wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.



Intended use

The machine is designed for mixing liquid and powder-based building products such as paints, mortar, adhesives, plaster and similar substances in the construction business. Use the recommended mixing tool for the consistency of the material and the quantity to be mixed. Please refer to the information in the technical data when choosing the size of the mixing tool (diameter). Do not use the machine for stirring in the food area. Do not mix with slightly inflammatory / inflammable / explosive materials. The machine is not suitable for mixing of materials containing graphite powder, hydrochloric solutions or liquid manure. Mixing such materials can damage or destroy the machine.

Before first time use

Screw the mixing tool with a size M14 male thread (9) firmly into the mixing shaft (8). To do this you will require two open-ended wrenches. Place one open-ended wrench on the mixing shaft and the other on the hexagonal holding fixture and tighten. To release or change the mixing tools, follow this sequence in reverse order. Connect the machine with 230 volt main power supply. 230 volt devices can also be used with a 220 volt supply.

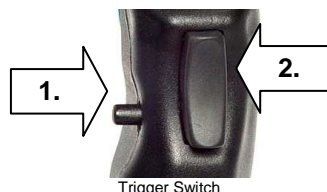
Before introduction always check the firm seat of the mixing paddle and his flawless run.

First time use

Always hold the machine with both hands.

Press the starting lockout button (1). Press the ON/OFF switch (2).

The integrated electronic controls will start up the machine in a controlled fashion. The more pressure you apply to the ON/OFF switch, the faster the machine will run.



Trigger Switch

Release the ON/OFF switch to stop work.

Machines with 2-speed gear units have two maximum speeds available. Slide the gear selection slider to change from one gear to the other.

Always reduce the speed when submerging the mixing tool in the mixing material or lifting it out.

Once the mixing tool is fully submerged, increase the speed again to ensure that the motor is adequately cooled.



Selector slider

During mixing you should guide the machine around the mixing container. Continue mixing until all of the mixing material is completely mixed.

Care and maintenance

Always pull out the main plug first before you carry out any operations on the machine, including changing the mixing tool!



Keep the machine and mixing tool clean. It is to be seen to the fact that the device may be cleaned by no means with water and that no liquid splashes to the engine case – electric shock danger.

Keep the ventilation slits (5) clean, so that the machine can be properly cooled.

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 an authorized customer service centre or by the BERG TECTOOL Service.

The power line by damage or substitute can be replaced by an authorised customer service centre or by the BERG TECTOOL Service.

Have repairs carried out only by an approved workshop or by the BERG TECTOOL Service.

Only use original BERG TECTOOL replacement parts and mixing paddles - with offence a security danger exists!

Warranty

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.

In order to make a claim under the warranty, please provide 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.

The warranty does not apply to damages caused by natural wear, overloading or improper handling.

Complaints can only be accepted if the device is sent to the BERG TECTOOL Service centre undismantled.

Disposal

Throw electric power tools not in the domestic waste! Supply device, accessories and packaging of a recycling appropriate for environment. Follow, besides, the nationwide applying regulations.
According to EU directive in 2002/96/EC electric power tools must be collected apart and be supplied to a recycling appropriate for environment.



CE – Declaration of Conformity

We declare in sole responsibility that the under „technical data“ described product agrees with the following norms and normative documents:

2006/42/EC: EN 60745-1:2009;
2004/108/EC: EN 55014-1:2006;
EN 55014-2:1997+A1:2001+A2:2008;
EN 61000-3-2:2006;
EN 61000-3-3:2008

A handwritten signature in black ink, appearing to read 'Fabian Berg', with a horizontal line extending to the right from the end of the signature.

Fabian Berg
Commissioned person for technical documents, CEO
Cologne, July 2010

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Subject to change