

# Operator and Parts Manual



## 25Kg Tub Mixer

### Versions:

**230v - order code 93156**

Fairport Construction Equipment manufactures a wide range of products in Sheffield UK. This range is supplemented by high quality product sourced from the EU with full CE certification.

This product is fully supported in the UK by:

**Fairport Construction Equipment Ltd.  
Blagden Street  
Sheffield  
S2 5QS**



## FAIRPORT

**For Parts  
Accessories  
and Service**

**call:**

**0114 2767921**

**fax:**

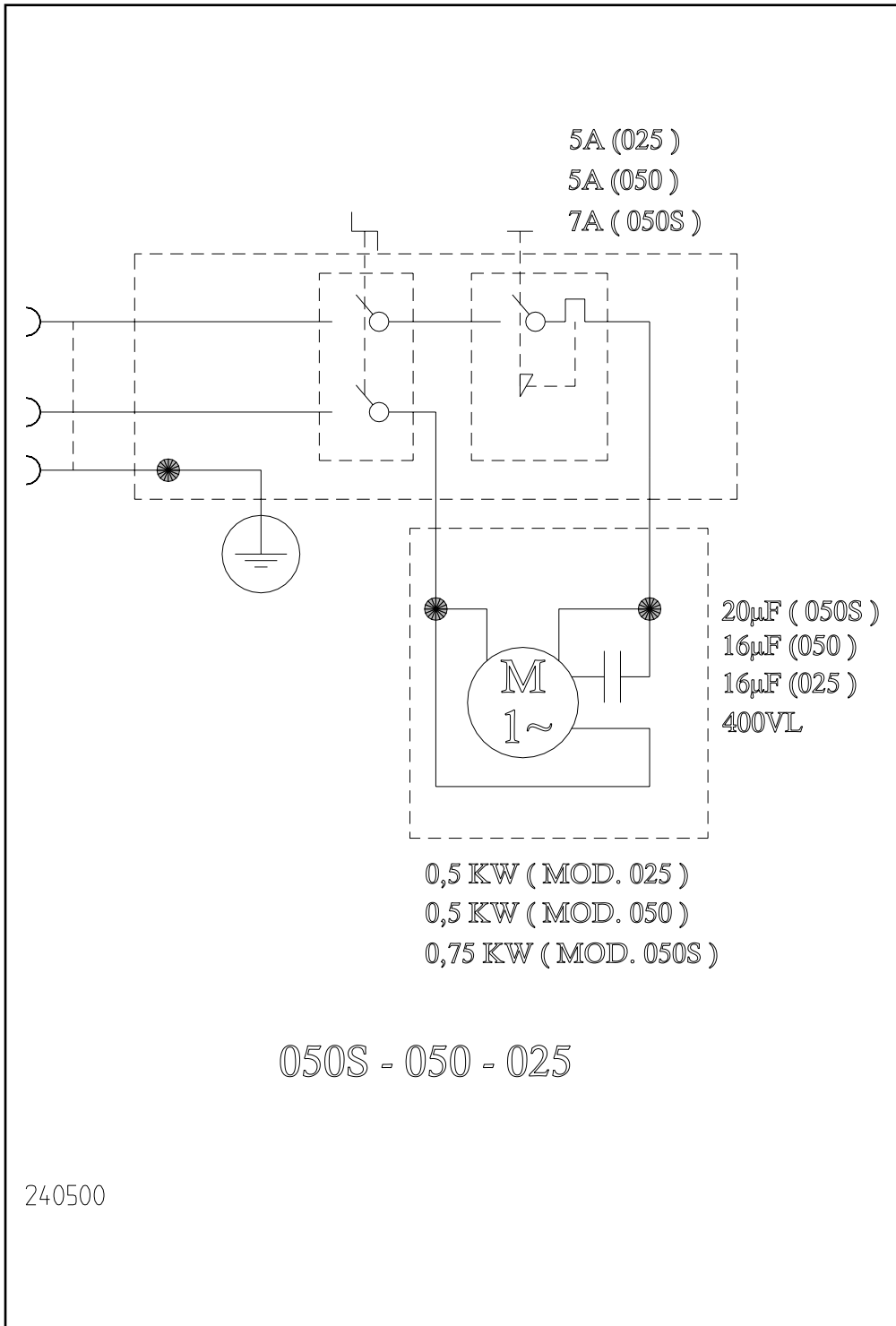
**0114 2720965**

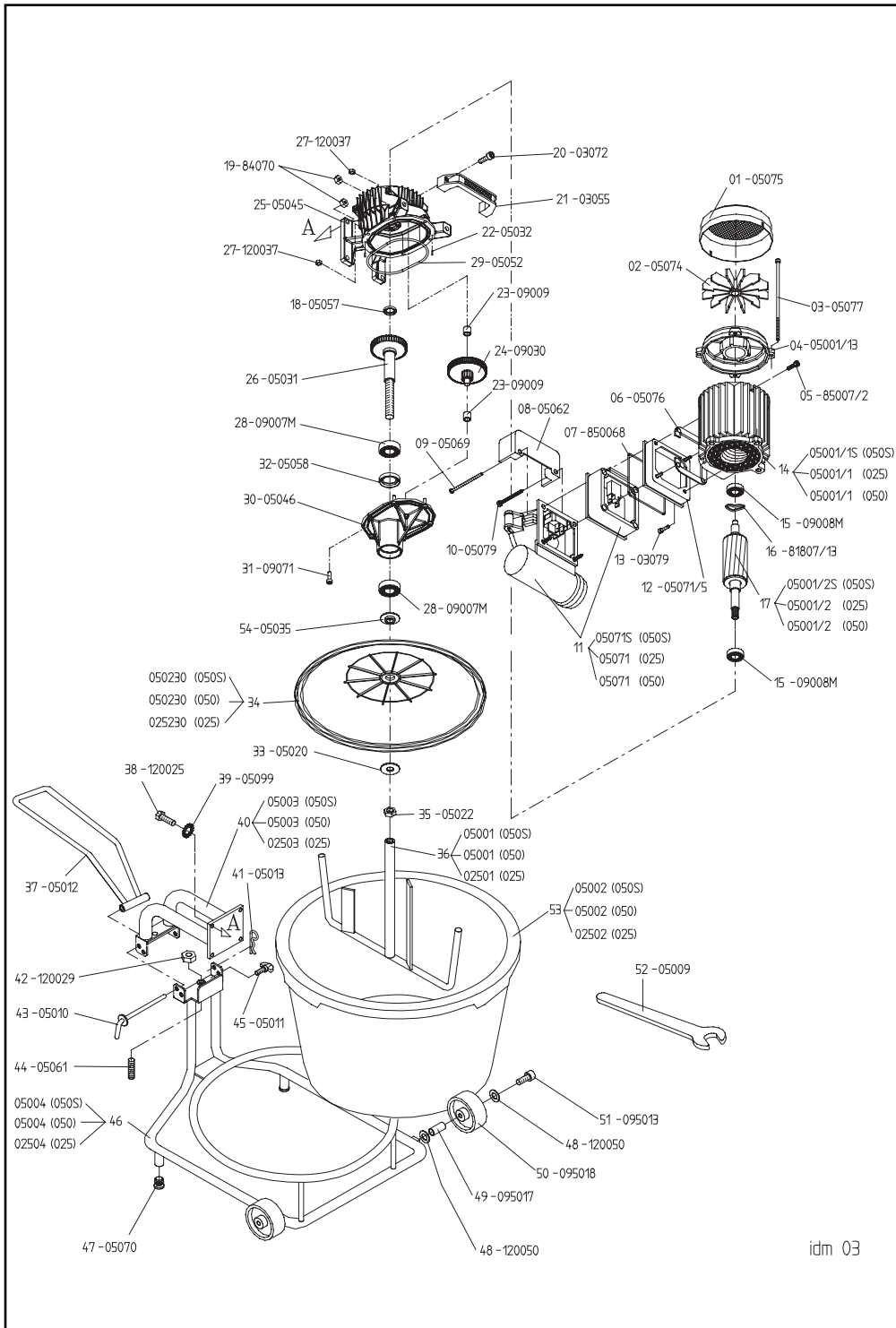
**email:**





**sales@fairport.uk.com**

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<b>I</b>	<b>GB</b>	<b>F</b>	<b>D</b>
<b>DICHIARAZIONE CE DI CONFORMITÀ</b>	<b>EC DECLARATION OF CONFORMITY</b>	<b>DECLARATION CE DE CONFORMITE</b>	<b>EG-KONFORMITÄTSERKLÄRUNG</b>
Il sottoscritto, rappresentante il seguente costruttore	The undersigned, representing the following manufacturer	Le soussigné, représentant le constructeur ci-après	Der Unterzeichner, der den nachstehenden Hersteller vertritt
<b>NUOVA BATTIPAV</b> <b>di Tondini C. &amp; C. snc</b> <b>Z.i. 2 - Via Cavatorta, 6/1 - 48010 Cotignola (Ra) ITALY</b>			
dichiara qui di seguito che il mescolatore per adesivi per piastrelle, cemento, vernici, resine epossidiche	herewith declares that the universal mixer with agitator for tile adhesives, cement, paints, varnish, epoxy resins	déclare par la présente que le mélangeur universel avec fouet pour adhésifs destinés aux carrelages, ciment, vernis, résines époxydes	erklärt hiermit, daß Mehrzweckmischer mit spiralförmiges Rührwerk für Fliesenkleber, Zement, Farben, Lacke und Epoxidharze
<b>Mod. MIXER 25</b> 230V~50 Hz. 850W 60 min <sup>-1</sup> / IP 44 MOTOR CLASS F	<b>Mod. MIXER 50</b> 230V~50 Hz. 850W 60 min <sup>-1</sup> / IP 44 MOTOR CLASS F	<b>Mod. MIXER 50 SUPER</b> 230V~50 Hz. 1200W 60 min <sup>-1</sup> / IP 44 MOTOR CLASS F	
risulta in conformità a quanto previsto dalle seguenti direttive comunitarie: DIRETTIVA 98/37/CE, DIRETTIVA 89/336/CEE, DIRETTIVA 93/68/CEE, DIRETTIVA 92/31/CEE, DIRETTIVA 73/23/CEE, DIRETTIVA 2002/96/CEE. e che sono state applicate tutte le norme e/o specifiche tecniche indicate.	is in conformity with the provisions of the following EC directives: DIRECTIVE 98/37/CE, DIRECTIVE 89/336/CEE, DIRECTIVE 93/68/CEE, DIRECTIVE 92/31/CEE, DIRECTIVE 73/23/CEE, DIRECTIVE 2002/96/CEE. and that the standards and/or technical specifications referenced have been applied.	est conforme aux dispositions des directives CE suivantes: DIRECTIVE 98/37/CEE, DIRECTIVE 89/336/CEE, DIRECTIVE 93/68/CEE, DIRECTIVE 92/31/CEE, DIRECTIVE 73/23/CEE, 2002/96/CEE et que les normes et/ou spécifications techniques ont été appliquées.	in Übereinstimmung ist mit den Bestimmungen der nachstehenden EG-Richtlinien: EG RICHTLINIE 89/37, EG RICHTLINIE 89/336, EG RICHTLINIE 93/68, EG RICHTLINIE 92/31, EG RICHTLINIE 73/23, EG RICHTLINIE 2002/96 und daß die Normen und/oder technischen Spezifikationen, zur Anwendung gelangt sind.
<b>EN 292-1, EN 292-2, EN 60335-1, EN 55014, EN 60204-1, CEI 107-55 (CENELEC HD 423.1.S1), ISO 3745.77, D.P.R. 27/04/55 N° 547, CIRC. 17/06/82 N° 76</b>			
Data di costruzione	Date of manufacture	Date de fabrication	Produktionsdatum
N° di Serie:	Series N.	N° de série	Seriennummer
Direttore Generale Claudio Tondini 	General Manager Claudio Tondini 	Le Directeur Général Claudio Tondini 	Der Generaldirektor Claudio Tondini 

**Technical data**

Voltage: 230V. 50 Hz. ~

MIXER 25	MIXER 50	MIXER 50 SUPER
Max. absorbed power		
850W	850W	1200W
Max. active power		
500W.	500W	750W
Capacitor		
16 µF	16 µF	20 µF
Weight		
22 Kg.	25 Kg.	25 Kg.
Basket capacity		
25 Kg.	50 Kg.	50 Kg.

**Allowed functioning:**

	S1
	continuous load
Rotation Speed:	55 min <sup>-1</sup>
IP Degree:	44

**Recommended use:**

TILE ADHESIVES, CEMENT, PAINTS, VARNISH AND EPOXY RESINS.



The noise level of the machines has been measured in compliance with standard ISO3745-77.

Lw	76,6 [dBW(A)]
Lw	62,7 [dB(A)]

**1. Use**



Before using the machine read the safety instruction chapter carefully. All machines have been thoroughly tested and checked before leaving our factory.

NUOVA BATTIPAV works for a continuous development of the machines the company manufactures, therefore the company reserves the right to modify its models. No rights can be claimed as far as the data and the pictures of this manual are concerned.

The MIXER is a mixing machine for tile adhesives, cement, paints, varnish and epoxy resins.

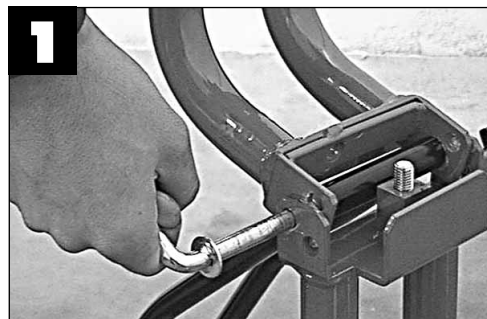
**2. Precautions**

- The manufacturer declines any liability for the use of the MIXER with tools and materials other than the original ones and not indicated in the paragraph "RECOMMENDED USE".
- The MIXER is designed to work exclusively according to the admissible working conditions indicated.
- Never introduce foreign objects or tools into the basket during operation with the agitator in rotation.
- Make sure that safety knob is tightly closed down and prevents the machine from opening during operation.
- The power supply cable is not supplied with the machine. The machine can be connected using a normal extension with a minimum section of 3 x 1.5 mm<sup>2</sup>, fitted with a Franco-German plug; type: SHUKO.

**3. Installation**

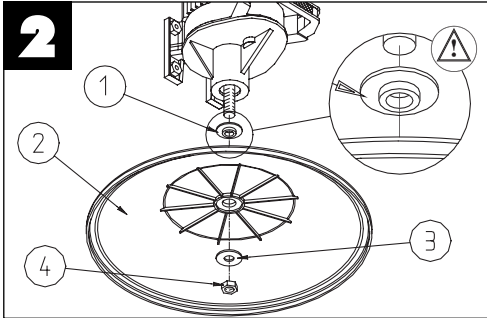
Assemble the top frame and the transporting handle as shown in Fig. 1.

Insert the connecting pin fixing it with the safety clip.

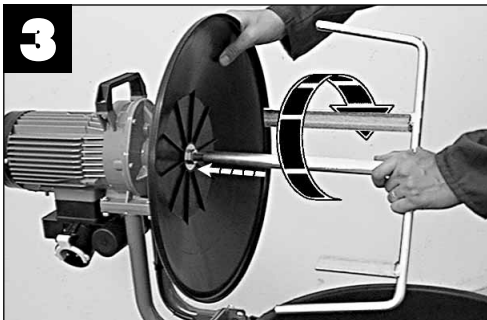


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Insert all the different parts in the order shown in Fig. 2, then lock everything in place using the 22 mm hexagon wrench provided.



Screw the agitator tightly into the motor casing. The definitive locking will take place when the machine is in motion.

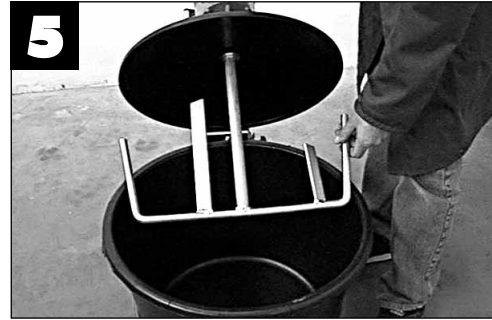


Insert the basket into the lower frame, making sure to insert one of the four transport handles in the metal tang provided.

This will prevent the rotation of the basket during product mixing.



Insert the agitator by positioning it as shown in Fig. 5.



Lower the motor head and tighten lock knob (Fig. 6).



At this point, the MIXER is ready for use. In order to remove the basket, perform the operations above in inverse order.



Prior to any operation, make sure that the switch is OFF.



For the opening and closing of the motor head the agitator must be positioned as shown in Fig. 5.

The MIXER has been designed to permit the opening of the motor head only when the agitator is in this position.

Plastic protection must never be removed from the machine, because it ensures the accident-prevention protection measures for the agitator prescribed by law.

**4. Transport**

The machine is easy to move. Lift the handle and move the machine on its wheels, as shown in Fig. 7.



**5. Connecting to power supply**

**AVOID UNEXPECTED STARTING**

Make sure that the switch is turned off before inserting the plug.

The machine is to be connected to the power supply by a residual current circuit breaker (RCCB) or class II isolation transformer with the following characteristics:

**MOD. MIXER 25 and MIXER 50**

<u>RCCB</u>	In 5A Id 30 mA
<u>Transformer</u>	230V 50Hz 1000 W cont. Duty

**MOD. MIXER 50 SUPER**

<u>RCCB</u>	In 10A Id 30 mA
<u>Transformer</u>	230V 50Hz 1500 W cont. Duty

**N.B. To ensure correct functioning, periodically check the efficiency of the RCCBs by pressing the push-button on the front of the same.**

Prior to connecting the machine to the power supply, make sure that the voltage is the same as indicated on the machine data plate. The machine must be connected to an effective earth wire. In case of doubt, do not connect the machine.

**i INFORMATION**

The MIXER are provided with overheat protection with manual reset. This intervenes in the event of the agitator jamming. In the event of it jamming, before resetting the thermal protection, disconnect the machine from the mains electricity supply.



Do not run the machine at full throttle. The machine will generate its maximum output, whilst observing safety conditions, only if it is used according to the operating conditions for which it has been designed.

**6. Preparation of the mixture**

- Always start the machine only when it is empty.
- Proceed as follows on the basis of the type of component to be used.

**⚠ CAUTION !**

**Glue for floor and wall tiles**

**MOD. MIXER 25**

- Carefully read the instructions on the glue sack you are going to use.
- Pour in the basket the quantity of water necessary to prepare the desired glue quantity following the manufacturer's instructions.
- Start the MIXER 25, then tip 25 kg of powder (a sack) at a speed of 10 kg/m directly on the plastic protection, which will centrifuge the material to obtain an appropriate mixture. Continue with this operation in a continuous and uniform manner and wait for the whole product to be properly mixed. In this way the past will be free from lumps.
  - If necessary, allow the glue to rest for 5-15 minutes and then mix it again for few minutes. As indicated in the foregoing paragraphs, the machine may be moved directly to the position where the glue is to be used.



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### MOD. MIXER 50

- A) Carefully read the instructions on the glue sack you are going to use.
- B) Pour in the basket the quantity of water necessary to prepare the desired glue quantity following the manufacturer's instructions.
- C) Start the MIXER 50, then tip the first 25 kg of powder at a speed of 10 kg/m directly on the plastic protection, which will centrifuge the material to obtain an appropriate mixture. Continue with this operation in a continuous and uniform manner with the second sack (25 kg) pouring in half of its content and wait for the whole product to be properly mixed.
- Now pour in the rest of the powder. In this way the past will be free from lumps.
  - If necessary, allow the glue to rest for 5-15 minutes and then mix it again for few minutes. As indicated in the foregoing paragraphs, the machine may be moved directly to the position where the glue is to be used.

### MOD. MIXER 50 SUPER

- A) Carefully read the instructions on the glue sack you are going to use.
- B) Pour in the basket the quantity of water necessary to prepare the desired glue quantity following the manufacturer's instructions.
- C) Start the MIXER 50 SUPER, then tip the first 25 kg of powder at a speed of 10 kg/m directly on the plastic protection, which will centrifuge the material to obtain an appropriate mixture. Continue with this operation in a continuous and uniform manner with the second sack (25 kg) and wait for the whole product to be properly mixed. In this way the past will be free from lumps.
- If necessary, allow the glue to rest for 5-15 minutes and then mix it again for few minutes. As indicated in the foregoing paragraphs, the machine may be moved directly to the position where the glue is to be used.

### Cement

- The mixing machine is suitable for preparing mortar from plaster containing lime, cement and fine sized aggregates. It is not suitable for mixing concrete or mortar containing medium-large sized gravel or aggregates.
- For the preparation of mortar for plaster, proceed as described in the foregoing paragraph: Glue for floor and wall tiles.
- As the mortar is a highly hygroscopic preparation, in order to prevent excessive hardening of the compound, a great deal of attention must be paid to the addition of lime, cement or aggregates when nearing the end of the mixing process.

### Epoxy resins

- For mixing epoxy resin, check the viscosity and the density of the products to be prepared, so that the mixers motor is not overloaded.
- Pour into the drum the quantity of resin, hardener and any powders indicated by the products' supplier.
- Mix carefully to prevent bubbles or lumps forming in the mixture.

### Paints

- Pour the paint to be mixed into the mixer drum and add the necessary amount of water required for the solution.



**CAUTION !**

- ! *The use of chemical products or solvents may affect the properties of the basket, made of high density polyethylene PET.*
- ! *Check the compatibility of the products to be mixed with the properties of the machine before use.*

## 7. Maintenance

The machine's reduction unit is lubricated with semi-fluid type synthetic grease suited for the lubrication of enclosed gears in casings. When changing the grease, use only products with the characteristics listed below:

<b>NLGI Degree:</b>	<b>0</b>
<b>Dropping point: °C</b>	<b>115</b>
<b>Thickening agent</b>	<b>SODIUM SOAPS</b>



**CAUTION !**

**To change the grease, contact your local dealer.**

## 8. Disposal

- In the event of the basket becoming worn or damaged, it must be disposed of in accordance with the methods laid down by current legislation.
- In the event of scrapping the complete machine, it must be disposed of in accordance with the methods laid down by current legislation.

### Electric Motor

Aluminium	AL
Steel	AC
Copper	CU
Polyamide	PA



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Machine's Framework	
Steel	AC
Polyamide	PA
Basket	
Polyethylene	PET

The European Directive 2002/96/CE arranges that in the event of scrapping of electrical equipment, they must not be disposed of city solid refusals but collected separately, in order to optimize the level of recovery and recycling of the materials and above all in order to prevent damages to health and environment.

To comply with European Directive 2002/96/CE, all electrical equipments must be marked with crossed basket symbol.

The packing of the machine will be disposed of in accordance with the methods laid down by current legislation.

For further information concerning disposal of electrical equipment, please refer to public administration service.

## 9. Troubleshooting

### **HAVE YOUR TOOL REPAIRED BY A QUALIFIED PERSON**

*This electric tool complies with the relevant safety rules. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.*

<u>Fault</u>	<u>Cause</u>	<u>Remedy</u>
The machine does not function.	The power supply cable is damaged or not properly connected.	Press the plug firmly into the power socket.
	No voltage in the socket.	Have the socket checked.
	The thermal protection has been activated.	Remove the power supply cable from the main socket and reset the thermal protection. In case this is not possible, wait a few minutes to allow it to cool.
Machine is difficult to start.	Mixture too hard.	Remove part of the mixture from the basket, than try to start the machine.
	The agitator is encountering obstacles whilst rotating (stones or lumps).	Remove the stones which are too big or the lumps. Proceed as above indicated.
	Start capacitor is damaged.	Consult local dealer.
	Bearings or bushings of reduction gear are damaged.	Consult local dealer.
Unusual noise coming from the reduction gear.	Reduction gear damaged.	Switch off the machine immediately and contact your local dealer.

## **SAFETY INSTRUCTIONS**

**Warning! When using electric tools, following safety precautions should always be followed to reduce the risk of fire, electric shock and personal injuries. Read and follow all these instructions before attempting to operate this product and save them with care!**

### **SAVE THESE INSTRUCTIONS WITH CARE.**

#### **Keep your work area perfectly clean**

- Cluttered areas invite injuries.

#### **Consider work area environment**

- Don't expose tools to rain.
- Don't use tools in damp or wet locations. Keep work area well lit.
- Don't use tools in presence of flammable liquids or gases.

#### **Guard against electric shocks**

- Prevent body contact with grounded surfaces.

#### **Keep children away!**

- Do not let third parties contact tool or extension cord. All visitors should be kept away from work area.

#### **Store your tools in a save place**

- When not in use, tools should be stored in dry and save places, out of the reach of children.

#### **Don't force tool**

- It will function better and in a safer way at the rate for which it was intended.

#### **Use the right tool**

- Don't use low duty tools or accessories to do the job of a heavy-duty tools. Don't use tools for purposes not intended.

#### **Dress properly**

- Rubber gloves and non-slip footwear are recommended when working outdoors. Wear protective hair covering to contain long hair. Use safety glasses.
- Use a mask if working operations are dusty.

#### **Don't abuse cord**

- Never carry tool by cord or yank it to disconnect it from socket.
- Keep cord from heat, oil and sharp edges.

#### **Avoid unsteady positions**

- Be sure to work in a safe and balanced position.

#### **Maintain tools with care**

- Keep tools sharp and clean for better and safer performance.
- Follow all maintenance advice and instructions to replace accessories subject to wear. Inspect tool cords periodically and, if damaged, have them repaired by an authorised expert. Check extension

cords periodically and replace them if damaged. Keep handles dry, clean and free from oil and grease.

#### **Disconnect tools**

- When not in use, before servicing, and when changing accessories subject to wear.

#### **Remove service keys from tool**

- Form the habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

#### **Avoid unintentional starting**

- Be sure that the switch is off when plugging in the tool.

#### **Extension cords for outdoor works**

- When tool is used outdoors, use only extension cords intended for this particular use and so marked.

#### **Stay alert**

- Watch what you are doing. Use common sense. Do not operate tool when you are inattentive.

#### **Check tool for damaged parts**

- Before further use of the tool, check it and the safety devices for damages and be sure that they operate properly. Check for functioning and binding of moving parts, breakage of parts, correct mounting, and any other conditions that may affect the correct operation of the tool.
- Damaged safety devices or other parts should be properly repaired or replaced by an authorised Service Centre unless otherwise indicated elsewhere in this instruction manual.
- Have defective switches replaced by an authorised Service Centre.
- Do not use tool if its switch cannot be turned on or off.

#### **Warning**

- For your personal safety use only accessories recommended in this instruction manual or in the relevant catalogues. The use of any other accessory or attachment other than those recommended in this instruction manual or in the relevant catalogue may present a risk of personal injury.

#### **Have tools repaired by qualified personnel**

- This electric appliance is in accordance with the safety rules in force. Only qualified experts may carry out repairing of electric appliances otherwise it may cause considerable danger for the user.