

MIXIT25 SERIES

Operating Manual

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This manual provides the basic information required and is only to be used as a guideline. The SPE machines are manufactured and covered by SPE design registrations granted and pending. SPE International Ltd reserves the right to alter the equipment design and specification as required without notice.

The SPE product range is subject to amendment and improvement as a result of on going research



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MIXIT25
Operating Manual

MIXIT25

OPERATING MANUAL

This manual covers to the best of our knowledge, the operation and maintenance of the **Mixit 25**. Before operation of the equipment the manual should be read and understood by the operator. The safety regulations must be followed at all times. Service of electrical should be carried out by authorised personnel. Failure to follow these instructions could result in damage to the machine and/or serious personal injury or death.

WARNING

Failure to follow these instructions may result in serious personal injury or death. SPE disclaims all responsibility for damage to persons or objects arising as a consequence of incorrect handling of the machine and failure to inspect the machine for damage or other faults that may influence the operation prior to starting work.

SAFETY OPERATING INSTRUCTIONS

Before operating the **MIXIT 25** ensure that the correct voltage and power supply is available and fitted with adequate fused protection.

By the nature of the machine and operational procedure it is not possible to fully enclose the moving parts. The operator is therefore directly responsible for the safe operation of the Mixit 25.

The Mixit 25 must only be operated by a fully trained, competent and responsible operative. Only the operator should be permitted within the work area of the Mixit 25 and must not operate the machine while wearing loose fitting clothing.

Before commencing work ensure that the Mixit 25 is sited on a flat level surface.

Never attempt to remove or replace the paddle arm unless the mixing bucket is stationary and the power supply turned off.

Never attempt to remove or replace the mixing bucket unless it is stationary and the power supply turned off.

It is absolutely essential that the operator is familiar with the procedure for stopping/starting the Mixit 25 and especially the procedure for EMERGENCY STOPS.

The motor is fitted with a large emergency stop button. When depressed it will immediately stop the bucket from revolving. Once stopped the Mixit 25 can only be restarted by resetting the emergency stop button. To reset the emergency stop button and start the mixer firmly grip the large red stop button and pull. The start button is then pressed and the mixer will operate.

The Mixit 25 has been designed for mixing a wide range of products. If operated correctly and as instructed and used only for the purposes for which it was intended the Mixit 25 will give many years safe and trouble free service.

In the event that any service work or repairs should become necessary the Mixit 25 should be returned to the manufacturer or their authorised distributor.

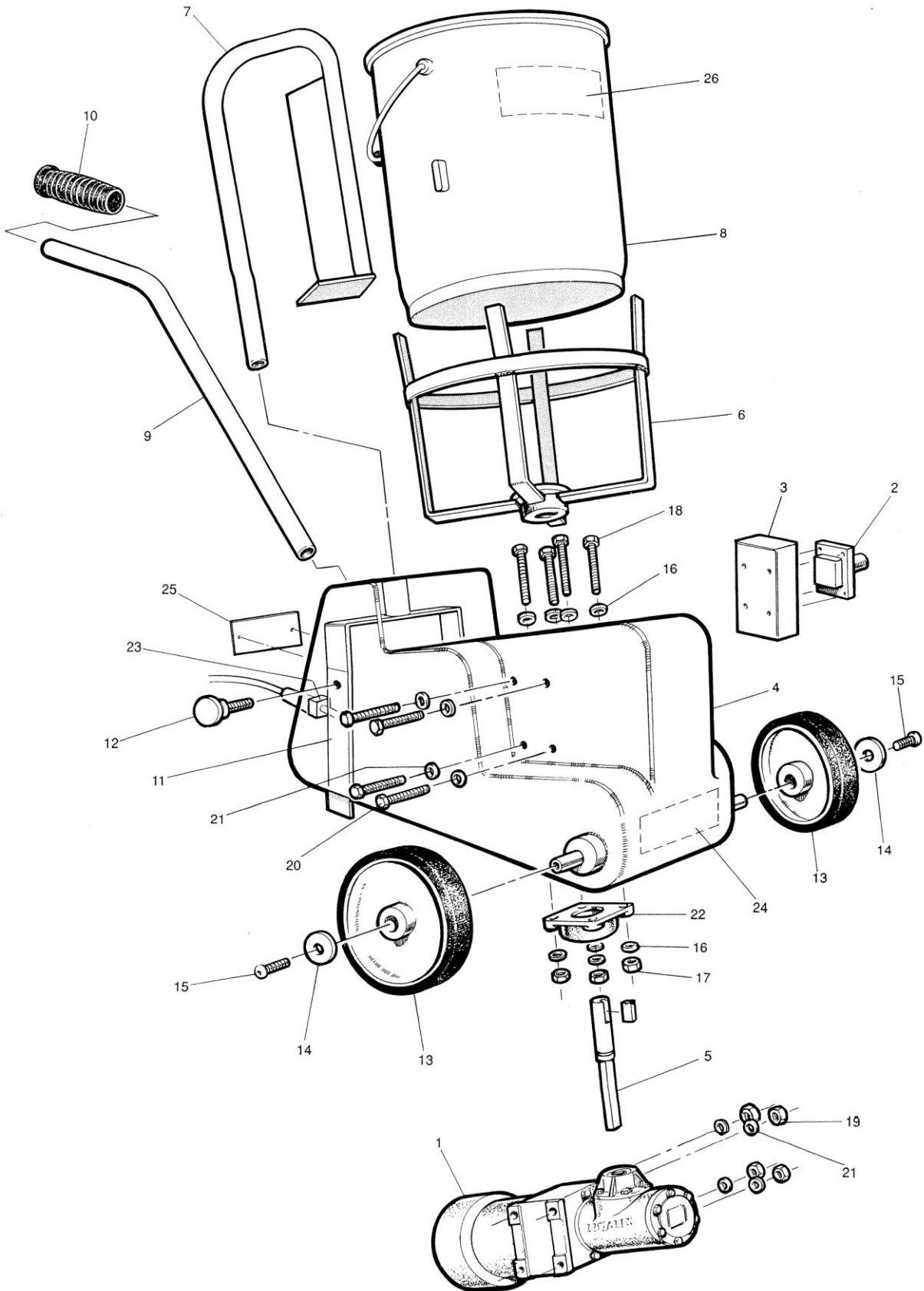
380/415v 3 phase MACHINE

The direction of the drum rotation should be tested prior to use and if this is not in the direction of the arrows then a screwdriver should be inserted in between the top pins of the external electrical surface plug and turned.



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Spare Parts Breakdown



SPARES PART LIST

1	6006	Motor 110v	1
1A(n/i)	6007	Gearbox	1
2	6008	Use LMZ106/25	
	LMZ106/25	Stop button	
2A(n/i)	6009	Switch	1
3	6010	Switch Enclosure	1
4	6001	Chassis	1
5	6011	Drive Shaft c/w Key	1
6	6002	Bucket Carrier	1
7	6003	Paddle	1
8	6004	Drum	1
9	6005	Handle Bar	1
10	9104/25	Grip	1
12	2019/25	Knob	1
13	6013	Wheel	2
14	6014	Washer	2
15	6015	Screw	2
16	6016	Washer	8
17	6017	Nut	4
18	6018	Screw	4
19	6019	Nut	4
20	6020	Screw	4
21	6021	Washer	8
22	6012	Bearing	1
23	6022	Gland	1
23A(n/i)	6023	Surface Plug	1
<u>Modified Switch – March 1997</u>			
	6008A	Use LMZ106/25	
	LMZ106/25	Stop Button	
	6009A	Use LMS2516/25	
	LMS2516/25	Switch - 110v	1
	6010A	Use LMZ113/25	
	LMZ113/25	Switch Enclosure	1

SPECIFICATION SHEET



Mixit 25

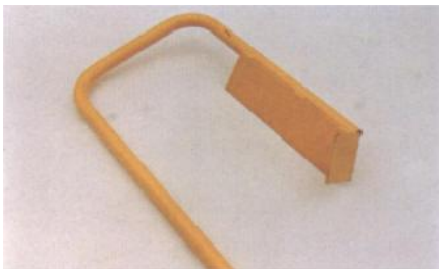
The Mixit25 has been developed to mix promptly and effectively quantities of a wide range of materials including epoxy screed, repair mortars, cement adhesives, polyester resins, liquid plastics, bituminous sealants, paints and powders. An optional paddle is available to increase the agitation by forcing material through its perforations. The machine is both robust and portable offering the user high output and single handed operation.

Features:

- Disposable mixing container
- Sealed for life gearbox and motor
- Robust monocoque steel chassis
- Light and portable
- Quickly disassembles for transportation in a van or car
- Fully protected against overload



Part No. 6004



Part No. 6003

Specifications		
Type	Mixit25 1 Phase	Mixit25 3 Phase
Part No.	Mix 25 -1 110v -2 240v	Mix25 -3
Power	0.55kw	0.55kw
Voltage	110/240	415
RPM	58	58
Capacity	32ltr	32ltr
Weight	43kg	43kg
Length (mm)	700	700
Width (mm)	460	460
Height (mm)	813	813

RECORD OF NOISE AND VIBRATION ASSESSMENT

Manufacturer: SPE
 Type: Mixer
 Model No. Mixit 25-1 Electric
 Operation : Running empty

HAND-ARM VIBRATION

Frequency Weighted Energy Equivalent Accelerations ($a_{h,w}$)

Measurement Position	Acceleration (m/s^2)			
	X axis	Y axis	Z axis	Vector Sum
Handle	0.18	0.19	0.37	0.45

NOISE LEVELS

Sound Power Level (L_{WA})

L_{WA} at Octave Band Centre Frequency (Hz)						Sound Power Level L_{WA}
250	500	1000	2000	4000	8000	
71.0	63.6	64.4	64.3	59.4	49.5	73.3

Operator's Ear

$L_{Aeq,T}$ at Octave Band Centre Frequency (Hz)						Overall Level ($L_{Aeq,T}$)	L_{Peak} dB(C)
250	500	1000	2000	4000	8000		
57.7	48.3	47.3	44.1	39.2	28.1	59.2	75.7



WARRANTY

The standard warranty period of this equipment is **12 months** from the date below in accordance with the company Conditions of Sale (copy attached).

<i>Warranty start date:</i>	As despatch date
<i>Model:</i>	MIXIT25
<i>Serial no:</i>	
<i>Customer name:</i>	
<i>Customer Address:</i>	

<i>Manufacturer:</i>	SPE International Ltd
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DECLARATION OF CONFORMITY

WE
SPE INTERNATIONAL LTD

OF
Honeyholes Lane
Dunholme
Lincoln
LN2 3SU

DECLARE that under our sole responsibility for the supply/manufacture of the product

(Description/name) MIXIT25 110v Forced Action Mixer

(Model/type) MIXIT25

to which this declaration relates is in conformity with the following standards and other normative documents following the provisions of Directive 2006/42/EC.

A handwritten signature in black ink, appearing to read 'B. Jacklin'.

.....
Brian Jacklin – Technical Manager
SPE INTERNATIONAL LTD

The quotation overleaf and any order placed following such quotation are subject to the following conditions of sale in which SPE International Limited is referred to as the "Company".

1. Validity of quotation

No order received from a customer by the Company shall constitute a contract until accepted in writing by the Company.

2. Prices

Prices quoted by the Company are firm for 30 days only or until previously withdrawn. Unless otherwise stated all prices are exclusive of any applicable Value Added Tax for which the customer shall be additionally liable to the Company.

3. Delivery

Delivery periods and dates are given in good faith but are not the subject of any warranty or condition and time shall not be of the essence of the contract in these respects. No liability will attach to the Company if delivery periods or dates are not met for any reason whatsoever.

4. Payment

Save as may otherwise be agreed in writing the customer shall pay the price in full on or before the estimated delivery date whereupon the Company shall raise a receipted invoice. Each invoice includes an Overdue Account Levy of 5% of the total invoice value inclusive of VAT. Subject to payment in full being made on or before the due date a sum equal to the Overdue Account Levy shall be credited to the customers account with the Company. Until such time as payment in full has been made the Company shall be under no obligation to allow or effect of any goods to the customer.

5. Warranty

The Company warrants that all goods supplied by it will correspond to their specifications and will be free from defects in materials or workmanship for a period of 12 months from the date of delivery. The Company's obligation in the event of a breach of this warranty is limited to the repair or replacement of any defective goods which shall be returned at the cost and expense of the customer to the Company. This warranty is given in lieu of all the other warranty or conditions expressed or implied (whether by statute or otherwise) and is subject to the following conditions:-

5.1 Claims must be notified in writing to the Company within seven days from the date of delivery or (where the defect is not apparent on reasonable inspection) as soon as practicable after discovery of the defect.

5.2 The Company shall be under no liability in respect of any defect in the goods arising from any drawing, design or specification supplied by the customer.

5.3 The Company shall be under no liability if the defect or failure in the reasonable opinion of the Company arises from wilful damage or misuse, negligence by the customer or any third party. Failure to follow the Company instructions, usage of non-recommended parts and materials, alteration or repair of the goods without the prior approval of the Company or non-recommended maintenance.

5.4 The Company shall be under no liability if the price for the goods has not been paid by the due date for payment.

5.5 The above warranty does not extend to:-

5.5.1 Parts, materials or equipment not manufactured by the company in respect of which the customer shall be entitled only to the benefit of any such warranty or guarantee as is given by the manufacturer to the Company.

5.5.2 Any component part of the goods or associated parts coming into contact with abrasive elements or dust within surface Preparation equipment.

5.5.3 Fair wear and tear of moving parts within the goods.

5.6 Except in the case of death or personal injury caused by the Company negligence, the Company shall not be liable for any consequential loss or damage (whether for loss of profit or otherwise) or other claims for consequential compensation.

6. Carriage

Packing, carriage and insurance charges in respect of delivery of the goods to the customer will be charged to the customer at cost to the company.

7. Damage in Transit

The company does not accept any liability for loss or damage to the goods while in transit to the customer.

8. Risk

The risk in the goods shall pass to the customer on delivery to the customer or (if earlier) when possession of the goods is taken by a carrier for delivery to the customer.

9. Force Majeure

The Company shall not be liable to the customer or be deemed to be in breach of any contract with the customer by reason of any delay in performing or any failure to perform any obligation of the Company obligation in relation to the goods if the delay or failure was due to force majeure or to any other cause beyond the Company's reasonable control.

10. Reservation of Title

The goods sold under these conditions shall remain the absolute property of the Company and legal title in the goods shall remain vested in the Company until payment in full of all amounts invoiced or due to the Company in respect of the goods. If the customer shall enter into liquidation have a winding up order made against it or have a Liquidator, receiver, administrator or administrator receiver shall be appointed over its assets, income or any part thereof before the property in the goods has passed in accordance with this condition the Company shall be entitled immediately after giving notice of its intention to repossess any goods to enter upon the premises of the customer with such transport as may be necessary and to repossess any goods to which it has title under this condition. No liquidator, receiver, administrator or administrative receiver of the customer shall have authority to sell goods to which the Company has title without the prior written consent of the Company.

11. Insolvency of Customer

If the customer being a body corporate, shall pass a resolution or suffer an order of the Court to be made for winding – up, or if a Receiver, Administrator or Administrative Receiver shall be appointed or, being an individual or partnership, shall suspend payment, propose or enter into any composition or arrangement with his or their creditors, or have a bankruptcy order made against him or them, then the Company shall have the right, without prejudice to any other contract with the customer, not to proceed further with the contract and shall be entitled to charge for work already carried out (whether completed or not) and for goods and materials already purchased for the customer such charge to be an immediate debt due from the customer.

12. Patent Rights, etc

The acceptance of a quotation includes the recognition by the customer of the Company under any patents, trademarks, registered designs or other intellectual property rights relating to the goods and the customer undertakes that patent numbers, trademarks or other trade markings on goods supplied shall not be obliterated, altered or defaced.

13. Applicable Law

These conditions shall be governed by and construed in accordance with English law and parties acknowledge and accept the exclusive jurisdiction of the English Courts.