



- ⓐ Operators Manual
- ⓑ Manuale Dell'Operatore
- ⓒ Manuel De L'Opérateur
- ⓓ Bedienungshandbuch
- ⓔ Manual del Operador

2

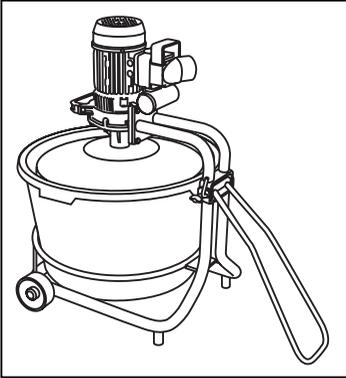
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TUBMIX 50



- Spare Parts Book
- Manuale dei ricambi
- Pièces détachées
- Ersatzteilhandbuch
- Libro Despiece

35

Technical data

Power supply: 115V 50Hz.~ 230V 50Hz.~

Max. absorbed power: 1200W

Max. active power: 750W

Capacitor (230V~50Hz.): 20 µF

Capacitor (115V~50Hz.): 85 µF

Weight: 25 Kg.

Basket capacity: 50 Kg.

Allowed functioning:

S1

continuous load

Rotation Speed: 55 min⁻¹

IP Degree: 44

Recommended use:

TILE ADHESIVES, CEMENT, PLASTER, 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.

BELLE 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 TUBMIX is a mixing machine for tile adhesives, cement, plaster, paints, varnish and epoxy resins.

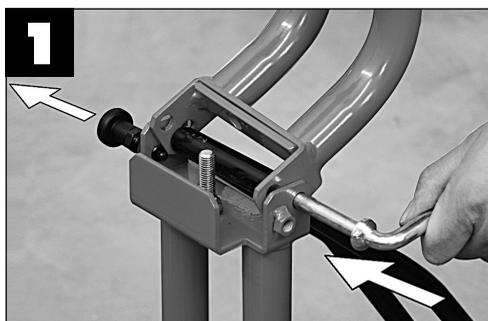
2. Precautions

- The manufacturer declines any liability for the use of the TUBMIX with tools and materials other than the original ones and not indicated in the paragraph "RECOMMENDED USE".
- The TUBMIX is designed to work exclusively according to the admissible working conditions indicated.
- Never introduce foreign objects or tools into the tub during operation with the agitator in rotating.

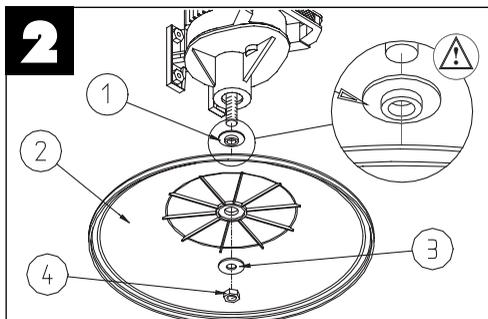
3. Installation

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

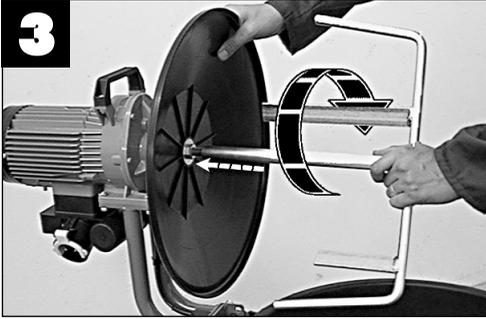
Insert the connecting pin fixing it with the safety clip, paying attention to the mechanical block.



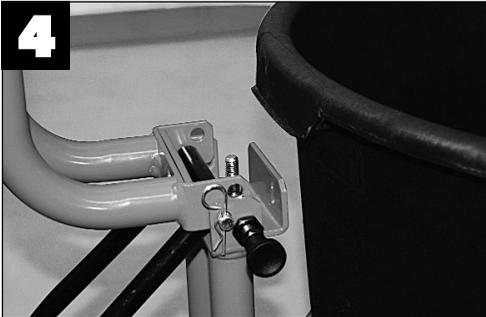
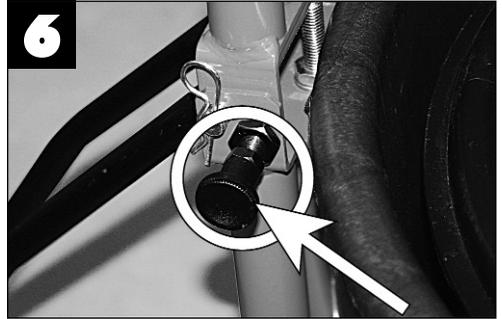
Insert all the different parts in the order shown in Fig. 2, then lock everything in place using the 22 mm hexagon spanner provided.



Screw the agitator tightly into the motor shaft.
The full locking of this part will take place when the machine is in motion.



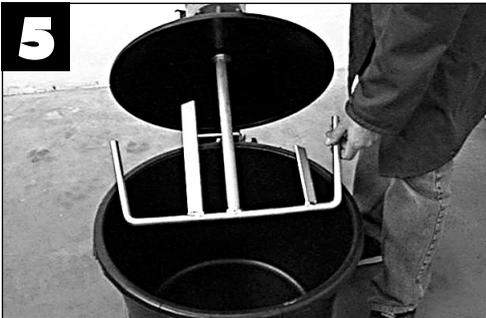
Insert the tub into the lower frame, making sure to insert one of the four transport handles in the metal tang provided.
This will prevent the rotation of the basket during mixing.



4. Basket removing

Switch off the TUBMIX when the mixture is completed. The agitator must be positioned inside the basket as shown in Fig. 5
The TUBMIX has been designed to permit the opening of the motor head only when the agitator is in this position.
Keep with one hand release the locking device and with the other one lift the motor head as shown in Fig. 7.

Insert the agitator by positioning it as shown in Fig. 5.
Lower the motor head in working position.



The plastic protection shield must never be removed. This is a safety device prescribed by law to prevent accidents.

5. Transport

The machine is easy to move. Lift the handle and move the machine on its wheels, as shown in Fig. 8.



6. Connecting to power supply

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:

	RCCB	Transformer
230V	In 10 A Id 20 mA	230 V 50 Hz 1500 W Cont. duty
115V	In 20 A Id 20 mA	115 V 50 Hz 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.

INFORMATION

Please be aware that when the mixing head and agitator are raised out of the mixing tub an automatic safety switch is engaged preventing the operation of the motor.

THE MOTOR SHOULD ONLY BE RUN IN THE MIXING POSITION WITH THE AGITATOR POSITIONED WITHIN THE MIXING TUB.

The TUBMIX are provided also 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 and empty the basket partially.



7. Preparation of the mixture

Proceed as follows to prepare the mixture:

- Always start the machine only when it is empty.
- Proceed as follows or as directed for the type of material to be mixed.



Adhesive for floor and wall tiles

- A) Carefully read the instructions on the glue sack you are going to use.
- B) Pour in the tub the quantity of water necessary to prepare the desired adhesive quantity following the manufacturer's instructions.
- C) Start the TUBMIX 50, then tip the first 25 kg of powder at a speed of 10 kg/min 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 mixture will be free from lumps.

- If necessary, allow the adhesive to rest for 5-15 minutes and then mix it again for few minutes. The machine may be moved to the position where the adhesive is to be used.

Cement

- The mixing machine is suitable for preparing mortar and plaster containing lime, cement, gypsum 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 for adhesive 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, gypsum 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 mixer motor is not overloaded.
- Pour into the tub the quantity of resin, hardener and any powders indicated by the product 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.



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

8. 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:

NLGI Degree: 0
Dropping point: °C 115
Thickening agent SODIUM SOAPS



To change the grease, contact your local dealer.

9. Disposal

- In the event of the tub 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
Poyamide	PA

Machine's Framework

Steel	AC
Poyamide	PA

Tub

Polyethylene	PET
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10. 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.
	Internal emergency switch has been damaged.	Consult local dealer.
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.

SAFETY INSTRUCTIONS

Warning! When using electric tools, the 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 safe place

- When not in use, tools should be stored in dry and safe 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

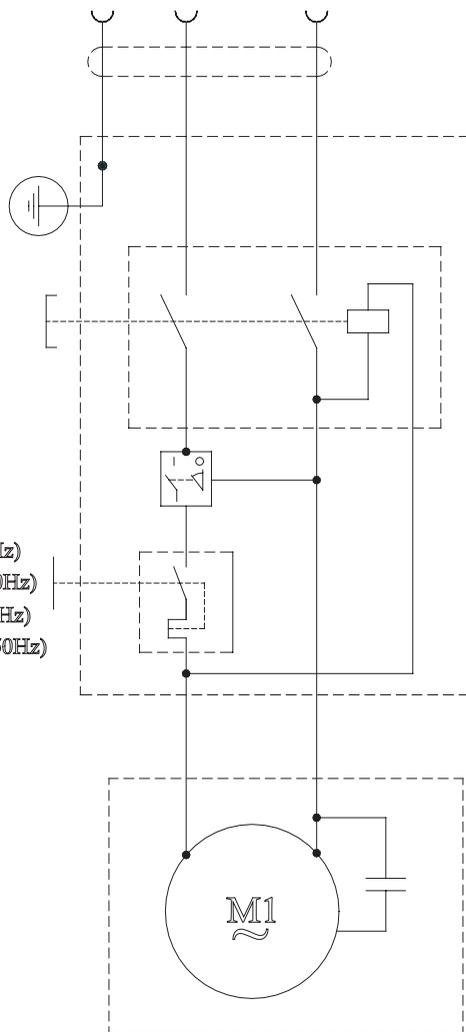
- Before further use of the tool, check it and the safety devices for damages and be sure that they operate properly. Check for functioning and binding of moving parts, breakage of parts, correct mounting, and any other conditions that may affect the correct operation of the tool.
- Damaged safety devices 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.



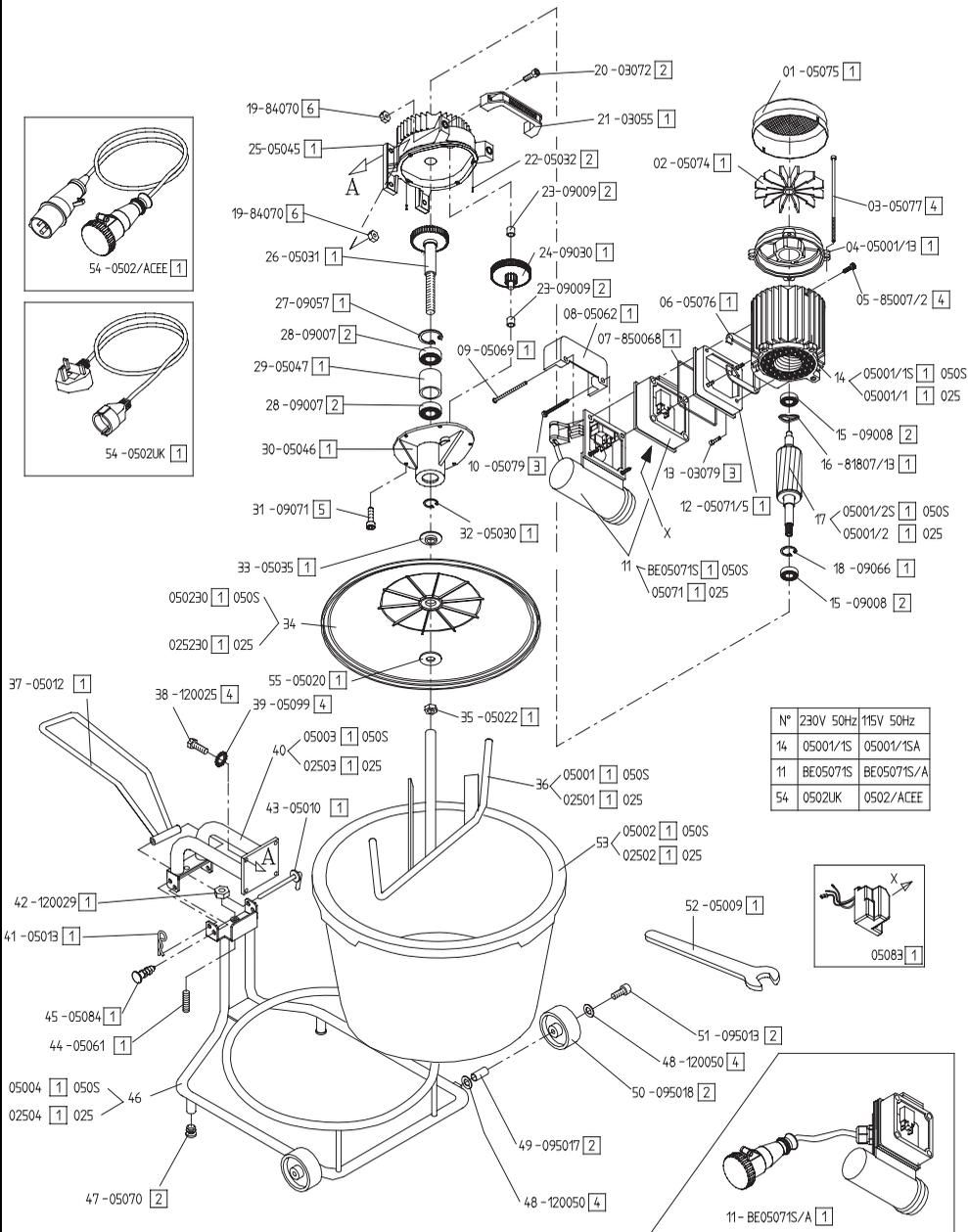
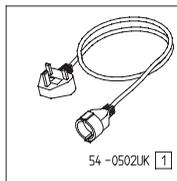
5A (025) (230V 50Hz)
 7A (050S) (230V 50Hz)
 10A (025) (115V 50Hz)
 15A (050S) (115V 50Hz)

230V 50Hz	115V 50Hz
20 μ F (050S)	85 μ F (050S)
16 μ F (025)	70 μ F (025)
400VL	400VL

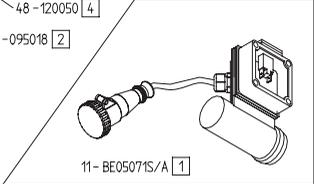
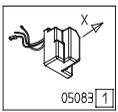
0,5 KW (MOD. 025)
 0,75 KW (MOD. 050S)

150304BE

To order parts, contact your Belle dealer or Belle Engineering (01298 84050)
 Please state - model name & serial number - part number (e.g. 0300) & quantity



N°	230V 50Hz	115V 50Hz
14	05001/1S	05001/1SA
11	BE05071S	BE05071S/A
54	0502UK	0502/ACEE



<p style="text-align: center;">(I)</p>	<p style="text-align: center;">(GB)</p>	<p style="text-align: center;">(F)</p>	<p style="text-align: center;">(D)</p>
<p>DICHIARAZIONE CE DI CONFORMITÀ</p>	<p>EC DECLARATION OF CONFORMITY</p>	<p>DECLARATION CE DE CONFORMITE</p>	<p>EG-KONFORMITÄTSERLÄRUNG</p>
<p>Il sottoscritto, rappresentante il seguente costruttore</p>	<p>The undersigned, representing the following manufacturer</p>	<p>Le soussigné, représentant le constructeur ci-après</p>	<p>Der Unterzeichner, der den nachstehenden Hersteller vertritt</p>
<p>BELLE GROUP Sheen, Nr.Buxton, Derbyshire, SK17 0EU, UK</p>			
<p>dichiara qui di seguito che il mescolatore per adesivi per piastrelle, cemento, vernici, resine epossidiche</p>	<p>herewith declares that the universal mixer with agitator for tile adhesives, cement, paints, varnish, epoxy resins</p>	<p>déclare par la présente que le mélangeur universel avec fouet pour adhésifs destinés aux carrelages, ciment, vernis, résines époxydes</p>	<p>erklärt hiermit, daß Mehrzweckmischer mit spiralförmiges Rührwerk für Fliesenkleber, Zement, Farben, Lacke und Epoxidharze</p>
<p>TUBMIX 50 230V~50 Hz. 1200 W . 60 min⁻¹ / IP 44 MOTOR CLASS F</p>			
<p>risulta in conformità a quanto previsto dalle seguenti direttive comunitarie: DIRETTIVA 98/37/CE, DIRETTIVA 89/336/CEE, DIRETTIVA 92/31/CEE, DIRETTIVA 73/23/CEE. e che sono state applicate tutte le norme e/o specifiche tecniche indicate.</p>	<p>is in conformity with the provisions of the following EC directives: 98/37/CE, 89/336, 93/68/CEE, 92/31, 73/23. and that the standards and/or technical specifications referenced have been applied.</p>	<p>est conforme aux dispositions des directives CE suivantes: DIRECTIVE 98/37/CE, DIRECTIVE 89/336/CEE, DIRECTIVE 92/31/CEE, DIRECTIVE 73/23/CEE. et que les normes et/ou spécifications techniques ont été appliquées.</p>	<p>in Übereinstimmung ist mit den Bestimmungen der nachstehenden EG-Richtlinien: EG RICHTLINIE 98/37/CE, EG RICHTLINIE 89/336, EG RICHTLINIE 92/31, EG RICHTLINIE 93/68/CEE, EG RICHTLINIE 73/23. und daß die Normen und/oder technischen Spezifikationen, zur Anwendung gelangt sind.</p>
<p>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</p>			
<p>Data di costruzione</p>	<p>N° di Serie:</p>	<p>Date de fabrication</p>	<p>Produktionsdatum</p>
<p>Ray Neilson</p>	<p>Series N.</p>	<p>N° de série</p>	<p>Seriennummer</p>
<p>Direttore Generale Belle Group Ray Neilson </p>	<p>Belle Group Managing Directors Ray Neilson </p>	<p>Directeur Général Belle Group Ray Neilson </p>	<p>Belle Group Generaldirektor Ray Neilson </p>



No.1 for Light Construction Equipment

www.BelleGroup.com

Belle Group Head Office
Sheen, nr. Buxton
Derbyshire. SK17 OEU GB.
Tel: +44 (0)1298 84000
Fax: +44 (0)1298 84722
email: sales@belle-group.co.uk

Belle Group France
70, av du Général de Gaulle
94022 Creteil, Cedex.
FRANCE
Tel: +33 (0) 1 49 81 68 32
Fax: +33 (0) 1 43 39 94 40
Ventes : 0800 902 461
SAV : 0800 905 336
SAV Fax : 0800 909 895

Belle Equipos SL
Calle Doctor Calero Cial 19,
Local 22, 28220 Majadahonda
Madrid, Spain
Tel: +34 (0) 91 636 2043
Fax: +34 (0) 91 634 1535
email: belleequipos@belleequipos.com

Belle Group Deutschland
Husumer Straße 45 a,
D-33729,
Bielefeld
Deutschland
Tel : +49(0) 5217 707505
Fax : +49 (0) 5217 707506
Sales: 0800 1808069
Spares: 0800 1816673

Belle Poland sp. z.o.o.
96-200 Rawa Mazowiecka
Ul. Mszczonowska 36,
Polska
Tel: +48 (0) 46 8144091
Fax: +48 (0) 46 8144700

Belle Group Portugal
Rua Laura Alves, 225, 2º F
2775-116 Parede
Portugal
Tel: +35 1 (21) 453 59 91
Fax: +35 1 (21) 453 59 91

Belle Group Netherlands
Tel: 0800 249861

Belle Group Belgium
Tel: 0800 80295

Belle Group Austria
Tel: 0800 291544

Belle Group Russia
64 Nevsky pr.
St, Petersburg
Russia
Tel : +7(812)314-81-34
Moscow : +7(495)589-64-32

Belle Group South East Asia
21, Jalan Ara AD 7/3B,
Pandar Sri Damansara
S2200 Kuala Lumpur, Malaysia
Tel: +60 (0) 3 62721678
+60 (0) 3 6272 9308
Fax: +60 (0) 3 6272 9528

Belle Group (GB), Shanghai Office
Room 213, Zhonghuang Building,
1007 Zhongshan Nan Er Road,
Xuhui, Shanghai 200030 China
Tel: 00 - 86 - 21 - 5461 5228
Mobile: 00 - 86 - 133 8172 2653
Fax: 00 - 86 - 21 - 5461 5369
email: morgan.liu@bellegroup.com.cn

Belle Group Inc
3959 Electric Rd
Roanoke
Suite 360
VA 24018. USA.
Tel: +1.540.345.5090
Fax: +1.540.345.5091
Toll free 866 540 5090
e-mail: sales@bellegroup.net



Belle Group World Parts Centre
Unit 5, Bode Business Park
Ball Haye Green,
Leek,
Staffordshire,
ST13 8BW
Tel: 44+ 1538 380000
Fax: 44+ 1538 380038

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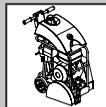
COMPACTING...



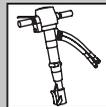
MIXING...



CONCRETING...



CUTTING...



BREAKING...



MOVING