



R 5 Plus • R 5 V.V. • R 6 • R 6 V.V.

robot g coupe®

CE

DECLARATION OF CONFORMITY

Robot-Coupe SNC:

Declares that the machines identified by their type above, comply with:

- The essential requirements of the following European directives and with the corresponding national regulations:
- Directive «Machinery» 2006/42/EC,
- Directive «Low voltage» 2006/95/EC,
- Directive «Electromagnetic compatibility» 2004/108/EC,
- Regulation (EC) $n^\circ 1935/2004$ «Materials and articles intended to come into contact with food»,
- Regulation (EU) n°10/2011 «Plastic materials and articles intended to come into contact with food»,
- Directive «Reduction of Hazardous Substances (RoHS) 2002/95/EC,
- Directive «WEEE» 2002/96/EC,
- The requirements of the European harmonized standards and with the standards specifying the hygiene and safety requirements:

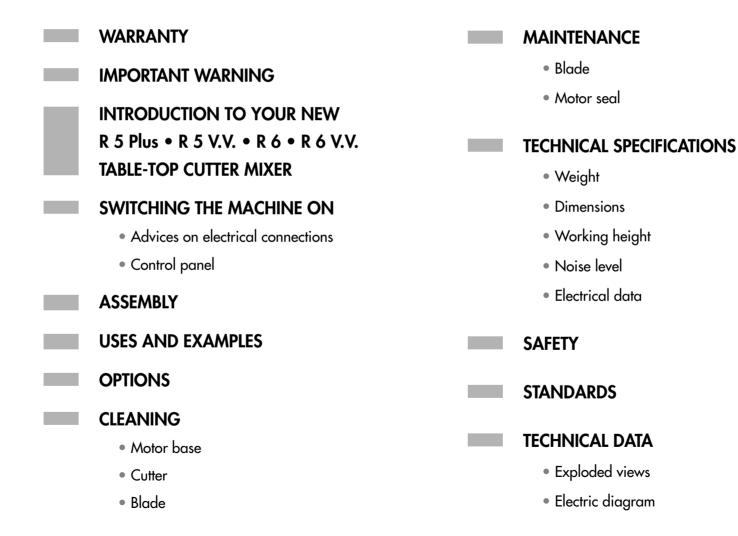
- EN 12100 -1 & 2 2004: Safety of machinery General principles for design,
- EN 60204-1 -2006: Safety of machinery Electrical equipment of machines,
- EN 12852: Food Processors and Blenders,
- EN 1678-1998: Vegetable Cutting Machines,
- EN 454: Blender-Mixers,
- EN 12853: Hand-held Blenders and Whisks (stick blenders),
- EN 14655: Bread Slicers,
- EN 13208: Vegetable Preparation Machines,
- EN 13621: Salad Spinners,
- EN 60529-2000: Degrees of protection,
- IP 55 for the electrical controls,
- IP 34 for the machines.

Signed in Montceau en Bourgogne on 19 February 2013

Alain NODET Industrial Director



SUMMARY



ROBOT-COUPE s.n.c., **LIMITED WARRANTY**

Your new ROBOT-COUPE appliance is warranted to the original buyer for a period of one year from the date of sale if you bought it from ROBOT-COUPE S.N.C.

If you bought your ROBOT-COUPE product from a distributor your product is covered by your distributor's warranty (Please check with your distributor terms and conditions of the warranty).

The ROBOT-COUPE S.N.C. limited warranty is against defects in material and/or work-manship.

THE FOLLOWING ARE NOT COVERED BY THE ROBOT-COUPE S.N.C. WARRANTY:

1 - Damage caused by abuse, misuse, dropping, or other similar damage caused by or resulting from failure to follow assembly, operating, cleaning, user maintenance or storage instructions. **2** - Labour to sharpen and/ or replacements for blades which have become blunt, chipped or worn after a normal or excessive period of use.

3 - Materials or labour to replace or repair scratched, stained, chipped, pitted, dented or discoloured surfaces, blades, knives, attachments or accessories.

4 - Any alteration, addition or repair that has not been carried out by the company or an approved service agency.

5 - Transportation of the appliance to or from an approved service agency.

6 - Labour charges to install or test new attachments or accessories (i.e., bowls, discs, blades, attachments) which have been arbitrarity replaced.

7 - The cost of changing direction-of-rotation of three-phase electric motors (Installer is responsible).

8 - SHIPPING DAMAGES. Visible and latent defects are the responsibility of the freight carrier. The consignee must inform the carrier and consignor immediately, or upon discovery in the case of latent defects.

KEEP ALL ORIGINAL CONTAINERS AND PACKING MATERIALS FOR CARRIER INSPECTION.

Neither ROBOT-COUPE S.N.C. nor its affiliated companies or any of its distributors, directors, agents, employees, or insurers will be liable for indirect damage, losses, or expenses linked to the appliance or the inability to use it.

The ROBOT-COUPE S.N.C. warranty is given expressly and in lieu of all other warranties, expressed or implied, for merchantability and for fitness toward a particular purpose and constitutes the only warranty made by ROBOT-COUPE S.N.C. France.

RECOMMENDATIONS CONCERNING THE INSTALLATION OF VARIABLE-SPEED APPLIANCES AND PERSONAL SAFETY

These recommendations apply to machines equipped with an induction motor and a single-phase wobbulator.

NB:

- The electrical circuit and the protective devices must comply with national regulations.
- The machine must be wired in by a qualified electrician

Protecting your appliance

- Like all electronic devices, wobbulators include components that are sensitive to electrostatic discharges (ESDs). Before conducting any work on these wobbulators, technicians must therefore rid themselves of electrostatic charges.
- The machine must be disconnected from the mains supply before any internal connection operations are carried out.
- Repeatedly switching on the appliance will cause the wobbulator to overload and may result in its destruction. After the machine has been switched off, you must wait for 3 minutes before switching it back on again.

Wiring

• The appliance requires single-phase* current as far as the wobbulator, which turns the latter into variable-speed three-phase current to supply the motor.

- You must connect the machine to a 200-240 V / 50 or 60 Hz single-phase* alternating current supply with an earthed socket. A higher voltage will destroy the wobbulator.
- The earthed socket ensures operator safety.

Circuit interrupters ensuring user safety

Ground fault circuit interrupters (GFCIs) intended for variable-speed appliances need to be selected with great care in order to ensure operator safety. GFCIs may be sensitive to alternating current (type AC), impulse current (type A) or all currents (type B).

Danger! Wobbulators feature a bridge-connected rectifier of the mains supply voltage. For this reason, in the event of an earth contact, a continuous fault current may fail to trip a differential circuit breaker that is only sensitive to alternating current (type AC).

As the appliance has a single-phase* supply, it is therefore advisable to use a GFCI that is sensitive to impulse current (type A), identified by the following symbol : $\overline{\mathbb{M}}$.

Caution: these GFCIs may go under different names, according to the manufacturer.

Appliances with wobbulators produce a fault current on the earth wire. This current may be sufficient to trip the differential circuit breaker unnecessarily. This may occur if :

- Several variable-speed appliances are connected to the same GFCI.
- The appliance produces a fault current that is above the GFCI's actual trip threshold.

Caution: As there are manufacturing tolerances, the actual trip threshold of a GFCI will be between 50% and 100% of its theoretical nominal threshold. Should a problem arise, measure the fault current and the GFCI's actual trip threshold.

You can begin by consulting the characteristics of your appliance in the table below :

Appliance		Conductor	GFCI (Ph + N)		
Appliance	Mains supply	ains supply Cross-section (mm²)		Threshold (mA)	
R 5 V.V. R 6 V.V.	50 or 60 Hz		B 20 A	≥ 30	

* Except for specific three-phase 200-240 V models sold in Japan.

IMPORTANT WARNING

WARNING KEEP THESE INSTRUCTIONS IN A SAFE PLACE

WARNING: In order to limit accidents such as electric shocks, personal injury or fire, and in order to limit material damage due to misuse of the appliance, please read these instructions carefully and follow them strictly. Reading the operating instructions will help you get to know your appliance and enable you to use the equipment correctly. Please read these instructions in their entirety and make sure that anyone else who may use the mixer also reads them beforehand.

UNPACKING

• Carefully remove the equipment from the packaging and take out all the boxes or packets containing attachments or specific items.

• WARNING - some of the tools are very sharp e.g. blade, discs... etc.

INSTALLATION

• We recommend you install your machine on a perfectly stable solid base.

CONNECTION

• Always check that your mains supply corresponds to that indicated on the rating plate on the motor unit and that it can take the amperage.

• The machine must be earthed.

HANDLING

• Always take care when handling the blades or discs - they are very sharp.

ASSEMBLY PROCEDURES

• Follow the various assembly procedures carefully (see page 19) and make sure that all the attachments are correctly positioned.

USE

- Do not open the lid until the motor has come to a complete stop.
- Never tamper with the locking and safety systems.
- Never put a hand object in the bowl while the machine is operating.
- Never force the ingredients down with your hands.
- Do not overload the machine.

CLEANING

- As a precaution, always unplung your appliance before cleaning it.
- Always clean the appliance and its attachments at the end of each cycle.
- Never place the motor unit in water.
- For parts made of aluminum alloys, use cleaning fluids suitable for « aluminum ».

• For plastic parts , do not use detergents that are too alkaline (i.e., containing too much caustic soda or ammonia...)

• Robot-Coupe can in no way be held responsible for the user's failure to follow the basic rules of cleaning and hygiene.

MAINTENANCE

• Before opening the motor housing, it is absolutely vital to unplung the appliance.

• Check the seals and washers regularly and ensure that the safety devices are in good working order.

• It is particularly important to maintain and check the attachments since certain ingredients contain corrosive agents e.g. citric acid.

• Never operate the appliance if the power cord or plug has been damaged in any way or if the appliance fails to work properly or has been damaged in any way.

• Do not hesitate to contact your local Maintenance Department if something appears to be wrong.

INTRODUCTION TO YOUR NEW R 5 Plus • R 5 V.V. • R 6 • R 6 V.V. TABLE-TOP CUTTER MIXER

The R 5 Plus, R 5 V.V., R 6 or R 6 V.V. is perfectly geared to professional needs. It can perform any number of tasks, which you will gradually discover as you use it.

This machine can be used to process meat, vegetables, fine stuffing, mousse, grinding, kneading,... in less than 5 minutes for even the longest tasks.

Its numerous functions will open the door to a whole new culinary world.

Thanks to its simple design, all components requiring frequent handling for maintenance or cleaning can be fitted and removed in a trice.

To make things easier for you, this manual gives a breakdown of all the various fitting operations.

This manual contains important information designed to help the user get the most out of his or her bowl cutter/vegetable preparation device.

We therefore recommend that you read it carefully before using your machine.

We have also included a few examples to help you get the feel of your new machine and appreciate its numerous advantages.

SWITCHING ON THE MACHINE

• ADVICE ON ELECTRICAL CONNNECTIONS

Before plugging in, check that your power supply corresponds to that indicated on the machine's identification plate.

WARNING

This appliance must be plugged into an earthed socket (risk of electrocution).

Three phase R 5 Plus • R 6

The R5 Plus/R6 come with different types of motor : $230 \times 400 \text{ V} / 50 \text{ Hz} / 3$

400 V / 50 Hz / 3 220 V / 60 Hz / 3 380 V / 60 Hz / 3

This machine is supplied with a cable to which you simply attach the appropriate electrical plug or isolator for your system. The cable has four wires, one earth wire, plus three phases wires.

If you have a 4-pin plug:

- 1) Connect the green and yellow earth wire to the earth pin.
- 2) Connect the three other wires to the remaining pins.

If you have more than 4 pins in the plug, please note the ROBOT-COUPE does not require a neutral wire.

Switch on the empty machine, making sure that the blade is rotating properly in an anti-clockwise direction.

On the motor unit and on the lid a arrow marks the blade rotation directions.

If the blade turns in a clockwise direction, swap over two wires.

GREEN YELLOW is the earth, DO NOT DISCONNECT

Swap either :

the ① and the ② the ① and the ③

the 🕗 and the 🕄

• Single phase R 5 Plus

The R 5 Plus is available with motor ratings:

230 V / 50 Hz / 1 220 V / 60 Hz / 1

The machine comes with a single phase plug connected to a power cord.

• Single phase R 5 V.V. • R 6 V.V.

WARNING

Before plugging in, read carefully the recommandations relating to the machines installation on page 17.

The R 6 V.V. is available with motor ratings + variabe speed : 230 V / 50-60 Hz / 1

The standardized plug must be calibrated to a minimum of 13 amps and preferably 20 amps, if the appliance is used intensively.

• CONTROL PANEL

Red switch = Off switch Green switch = On switch

- Green switch = On switch
- Black switch = Pulse control

R 5 Plus / R 6: Speed selector = 1,500 or 3,000 rpm.

R 5 V.V. / R 6 V.V.: Speed variation from 300 to 3,000 rpm.

ASSEMBLY



1) With the motor base facing you, position the cutter bowl on the motor base.

2) Turn the bowl to the right until it locks.





 Engage the blade on the motor shaft and lower it right to the bottom of the bowl.
 Make sure that it is correctly positioned, by rotating it in the bowl.

4) Place the lid on the bowl and rotate to the right until it clicks.



The device is now ready for use. The green light should therefore be illuminated.

USES AND EXAMPLES

The cutter will enable your to perform all your cutting tasks in minimum time; we recommend therefore, that you keep a close eye on the mixture in order to obtain the desired results.

The pulse control allows you to stop and start the machine for high-precision control when working with certain types of ingredients.

USES	R5 Plus R5 V.V. Max. processing quantity (in kg)	R6 R6 V.V. Max. processing quantity (in kg)	Suggested speed (in rpm)	Processing time (in mn)
CHOPPING				
• MEAT				
Hamburger/steak tartare	1.5	2	1200/1500	3
Sausagemeat/tomatoes	2	2.5	1200/1500	3
Terrine/pâté	2.5	2.5	1200/1500	3
• FISH				
Brandade	2.5	3	3000	5
Terrines	2.5	3	3000	5
• VEGETABLES				
Garlic/parsley/onion/shallots	0.5/1.0	0.5/1.5	1500/2000	3
Soup/purées	2	3	²⁵⁰⁰ / ₃₀₀₀	3
• FRUIT				
Compotes/purées	2	3	^{2500/} 3000	4
EMULSIFYING				
Mayonnaise/ailloli/rémoulade	3	3.5	²⁵⁰⁰ / ₃₀₀₀	4
Hollandaise/béarnaise	2	3	²⁵⁰⁰ / ₃₀₀₀	4
Snail or salmon butter	2	2.5	^{2500/} 3000	4

USES		R5 Plus R5 V.V. Max. processing quantity (in kg)	R6 R6 V.V. Max. processing quantity (in kg)	Suggested speed (in rpm)	Processing time (in mn)
KNEA	DING				
Shortcrust pasty/Shortbread		2	2.5	900/1500	4
Flaky pastry		2	2.5	^{900/} 1500	4
Pizza dough		2	2.5	^{900/} 1500	4
GRIN	DING				
Dried fruit		1	1.5	^{900/} 1500	4
lce		1	1.5	^{900/} 1500	4
Breadcrumbs		1	1.5	900/1500	4

The cutter version has numerous other applications. The above quantities and times are approximate and may vary according to the quality of the ingredients and recipes.

OPTIONS



For the R 5 Plus and R 5 V.V. models, a serrated blade knife is available as an option.

For the R 6 and R 6 V.V. models, serrated blades are available as an option.



The serrated blades are recommended for grinding and kneading tasks.

CLEANING

WARNING

As a precaution, always unplug your appliance before cleaning it (hazard of electrocution) and handle the blades with care (hazard of injury).

• MOTOR BASE

Never immerse the motor base in water. Clean using a damp cloth or sponge.

• CUTTER

After removing the lid, remove the bowl from the motor base by pushing the trigger fitted in the handle. Pull up to disengage, leaving the blade in the bowl in order to prevent any spillage when working with liquids.

If the food has a solid consistency, remove the blade and empty the bowl.

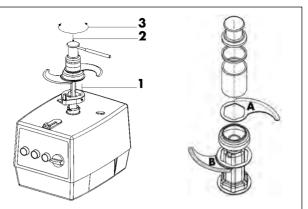
Replace the bowl, place the blade back on the shaft and switch on the machine in order to remove any mixture which may have stuck to the blade.

If you wish, you can rinse the bowl by filling it with hot water and switching on for a few minutes.

• BLADE

The stainless steel blade of R 6 - R 6 V.V. is easy to dismantle and to clean.

After cleaning the blade, always dry the blades well to prevent rusting.



Ensure power supply to machine is disconnected.

- 1 Place blade dismantling tool over shaft onto motor base.
- 2 Fit blade onto shaft ensuring it is correctly positioned.
- **3** Insert bar into blade cap and turn anti-clockwise to dismantle .
- When re-assembling do not over tighten.
- A Upper blade.
- **B** Lower blade.

IMPORTANT

Check that your detergent is suitable for cleaning plastic parts. Some washing agents are too alkaline (e.g. high levels of caustic soda or ammonia) and totally incompatible with certain types of plastic, causing them to deteriorate rapidly.

MAINTENANCE

• BLADE

We strongly recommend that the blades (smooth ones) are sharpened daily using sharpening stone supplied with machine. The quality of the cut depends mainly on the sharpness of your blades and the degree of wear. The blades are actually wearing parts, which should be replaced occasionally to ensure consistent quality in the final product.

• MOTOR SEAL

The motor seal on the shaft should be lubricated regularly using a food safe lubricant.

In order to keep the motor completely watertight, it is advisable to check the motor seal regularly for wear and tear and replace if necessary.

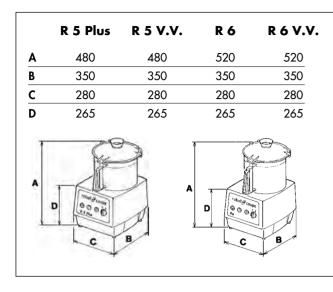
The motor seal can be easily replaced without having to remove the motor, so we strongly advise you to ensure that is in good condition.

TECHNICAL SPECIFICATIONS

• WEIGHT

	Net	Gross
R 5 Plus	24 kg	26 kg
R 5 V.V.	25 kg	27 kg
R 6	25 kg	27 kg
R 6 V.V.	26 kg	28 kg

• DIMENSIONS (in mm)



• WORKING HEIGHT

We recommend that you position the food processor on a stable worktop so that the upper edge of the large feed hopper is at a height of between 1.20 m and 1.30 m.

• NOISE LEVEL

The equivalent continuous sound level when the food processor is operating on no-load is less than 70 db (A).

• ELECTRICAL DATA

R 5 Plus single-phase machine

Motor	Speed (rpm)	Intensity (amp.)
230 V/50 Hz	1,500	6
220 V/60 Hz	1,500	6

R 5 Plus three-phase machines

Motor	Speed 1 (rpm)	Speed 2 (rpm)	Intensité (amp.)
	1,500		230V = 4.4 400V = 2.5
230 x 400 V/50 Hz		2 000	400V = 2.3 230V = 7.0
		3,000	400V = 4.0
400 V/50 Hz	1,500		2.7
400 1/ 30 112		3,000	3.4
220 V/60 Hz	1,800		4.7
220 1/00 112		3,600	6.5

R 5 V.V. single-phase machines

Motor	Speed (rpm)	Intensity (amp.)
230 V/50 Hz	300 to 3,000	12

R 6 three-phase machines

Motor	Speed 1 (rpm)	Speed 2 (rpm)	Intensity (amp.)
	1,500		230V = 4.4 400V = 2.5
230 x 400 V/50 Hz		3,000	230V = 7.0
	5,000		400V = 4.0
400 V/50 Hz	1,500		2.7
400 1/ 50 112		3,000	3.4
220 V/60 Hz	1,800		4.7
		3,600	6.5

R 6 V.V. single-phase machines

Motor	Speed (rpm)	Intensité (amp.)
230 V/50 Hz	300 to 3,000	13

- Power shown on data plate.

SAFETY

These models are fitted with a magnetic safety device and motor braking system.

As soon as you open the lid of the cutter bowl or the vegetable attachment, the motor stops.

To restart the machine, simply close the lid and press the green switch.

In order to avoid splashing when processing liquid preparation, we recommend you stop the machine before opening the lid.

All the models are fitted with a **thermal cut-out** which automatically stops the motor if the machine is left on for too long or overloaded.

If this happens, allow the machine to cool completely before restarting.

WARNING

The blades are extremely sharp. Handle with care.

REMEMBER

Never try to override the locking and safety systems.

Never insert an object into the container where the food is being processed.

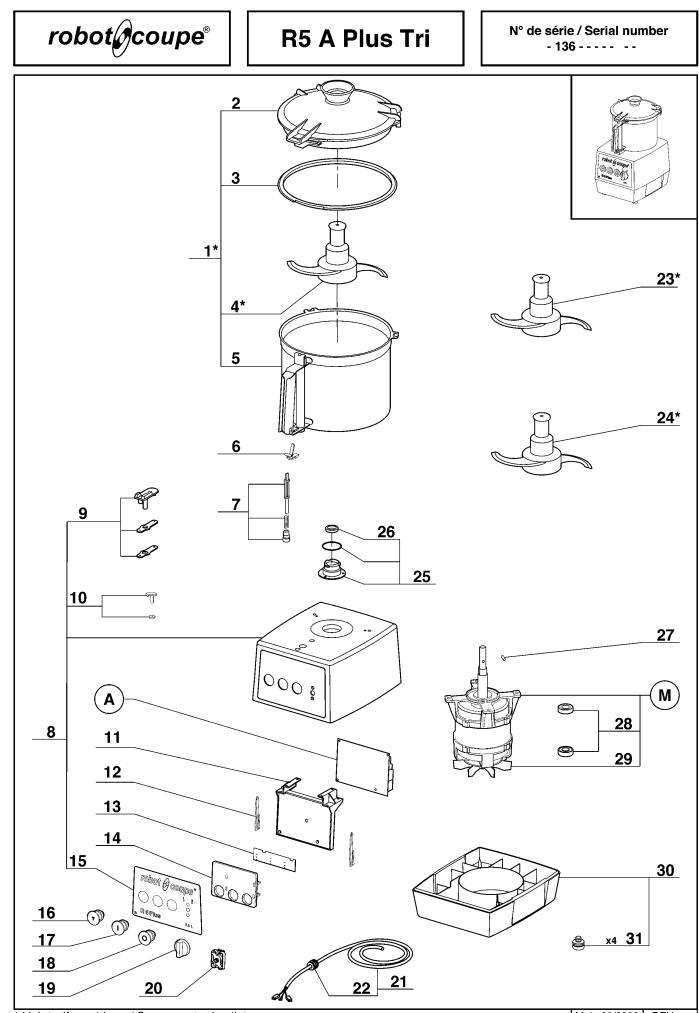
Never push the ingredients down with your hand.

Do not overload the appliance.

Never switch the appliance on when it is empty.

STANDARDS

Consult the declaration of compliance on page 2.



* Voir tarif machines / See export price list

146

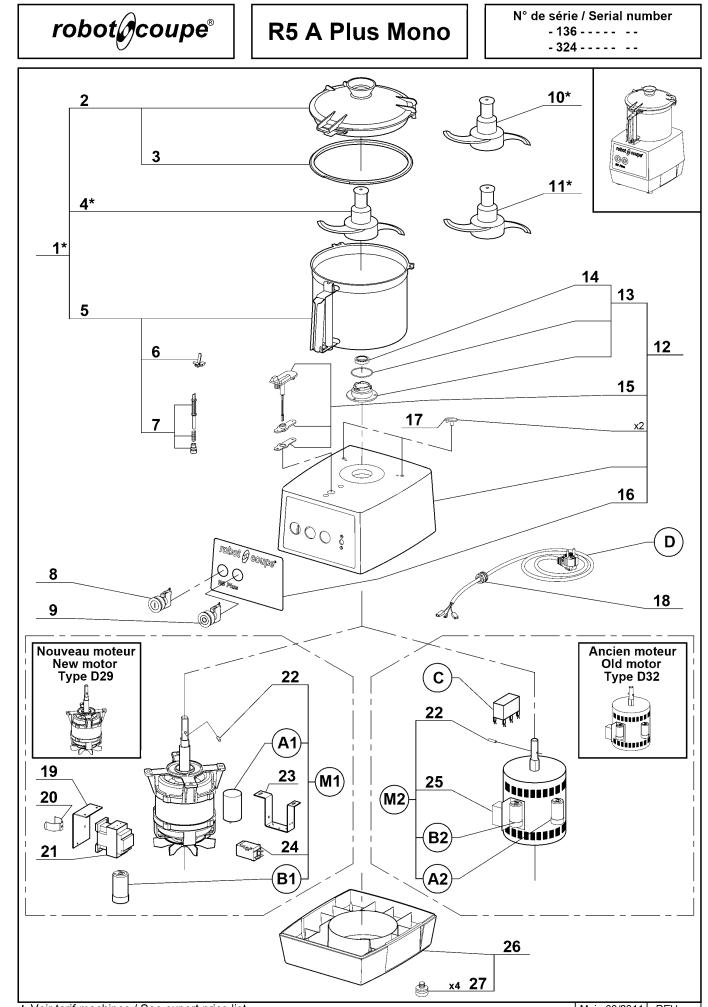
Maj : 09/2008 REV : a



R5 A Plus Tri

N° de série / Serial number - 136 - - - - - -

Index	Pièce / Part	Désignation		Description		
1*	27 127*	CUTTER COMPLET	-	CUTTER ATTACHEMENT		
2	29 341	COUVERCLE CUTT	ER	CUTTER LID		
3	117 100	JOINT COUVERCLE	=	LID SEAL		
4*	27 120*	COUTEAU LISSE		COMPLETE STRAIGHT BLADE		
5	117 106	CUVE CUTTER		CUTTER BOWL		
6	39 827	ENS. GACHETTE C	UVE R 502	/E R 502 SPRING CATCH ASSEMBLY		
7	39 474	ENS. TIGE SECURI	TE R 502	SAFETY ROAD ASSEMBLY		
8	29 350	ENS. SUPPORT MC	DTEUR	MOTOR SUPPORT ASSEMBLY		
9	29 586	ENS. ILS CUTTER		REED SWITCH CUTTER ASSEME	LY	
10	29 336	ENS. APPUI CUVE		BOWL SUPPORT ASSEMBLY		
11	117 809	SUPPORT PLATINE	E	CONTROL BOARD SUPPORT		
12	117 703	CLAVETTE		KEY		
13	117 813	CARTE BOUTON		CONTROLS PCB		
14	29 533	ENS. SUPPORT PL	ATINE	PCB SUPPORT ASSEMBLY		
15	401 547	PLAQUE FRONTAL	E	FRONT PLATE		
16	502 171	BOUTON NOIR		BLACK KNOB		
17 502 170 BOUTON VERT				GREEN KNOB		
18 502 169 BOUTON ROUGE				RED KNOB		
19 117 072 POIGNEE COMMU			TATEUR	COMMUTATOR HANDLE		
20 117 792 COMMUTATEUR		COMMUTATEUR		COMMUTATOR		
21 515 570 CABLE D'ALIMENT		CABLE D'ALIMENT	BLE D'ALIMENTATION POWER CORD			
22 515 515 PRESSE ETOUPE		PRESSE ETOUPE	TOUPE STRAIN RELIEF			
23*			TE COMPLETE SERRATED BLADE			
24*	27 351*	COUTEAU DENTE				
25	39 088	ENS. PORTE JOINT	-	SEAL SUPPORT ASSEMBLY		
26	501 624	BAGUE D'ETANCHE	EITE	SEAL RING		
27	110 308	GOUPILLE AXE MO	TEUR	MOTOR SHAFT PIN		
28	39 819	ENS. ROULEMENT	MOT R 502	BEARING ASSEMBLY		
29	105 885	VENTILATEUR		FAN		
30	29 581	ENS. SOCLE		BASE ASSEMBLY		
31	39 833	PIED GRIS		GREY FOOT		
	Α	PLATINE		POWER CIRCUIT BOARD		
	М	MOTEUR		MOTOR		
	Mach	ine	Voltage	A	Μ	
	24 310 UK		415/50/3			
	24 309		400/60/3	-	303 051	
	24 287 JAP			102 600		
	24 311		220/60/3		303 052	
24 313			380/60/3	1	303 054	
24 312		230/400/50/3	112 600 303 114			



* Voir tarif machines / See export price list

148

Maj : 03/2011 REV : g



R5 A Plus Mono

N° de série / Serial number - 136 - - - - -- 324 - - - - -

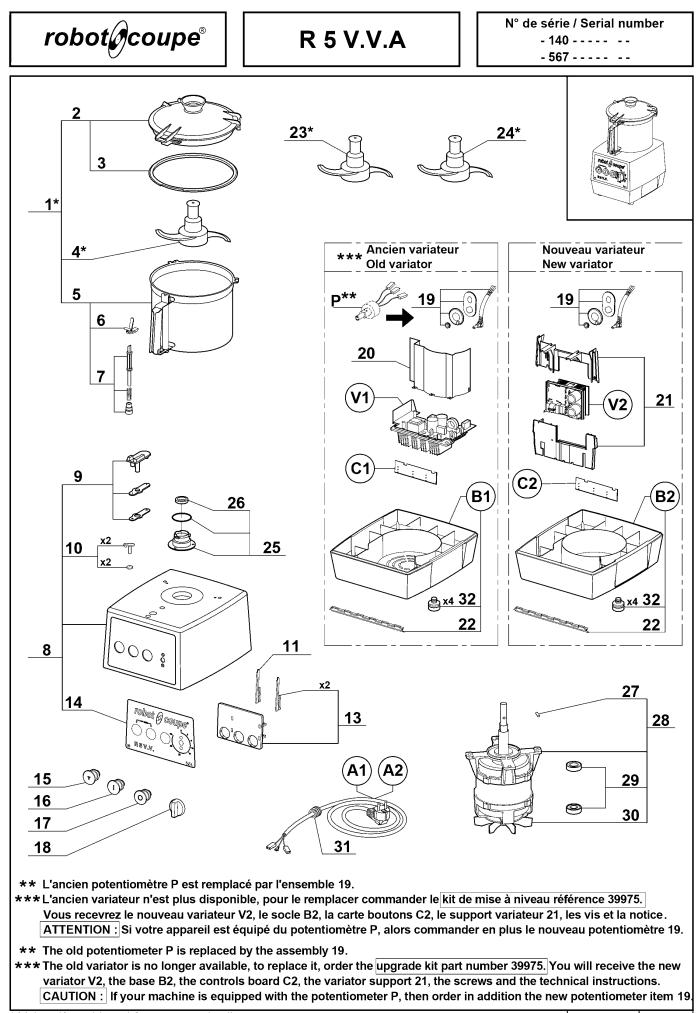
Index	Pièce / Part	Désignation	Description
1*	27 127*	CUTTER COMPLET	CUTTER ATTACHMENT
2	29 341	COUVERCLE CUTTER	CUTTER LID
3	117 100	JOINT COUVERCLE	LID SEAL
4*	27 120*	COUTEAU LISSE	COMPLETE STRAIGHT BLADE
5	117 106	CUVE CUTTER	CUTTER BOWL
6	39 827	ENS GACHETTE	SPRING CATCH ASSEMBLY
7	39 474	ENSEMBLE TIGE SECURITE	SAFETY ROAD ASSEMBLY
8	502 174	BOUTON VERT AVEC BLOC DE CONTACT	GREEN KNOB + CONTACT BLOCK
9	502 173	BOUTON ROUGE AVEC BLOC DE CONTACT	RED KNOB + CONTACT BLOCK
10*	27 121*	COUTEAU CRANTE	SERRATED BLADE
11*	27 351*	COUTEAU DENTE	FINE SERRATED BLADE
12	29 361	ENSEMBLE SUPPORT MOTEUR	MOTOR SUPPORT ASSEMBLY
13	39 088	ENSEMBLE PORTE JOINT	SEALING SOCKET KIT
14	501 624	BAGUE D'ETANCHEITE	SEAL RING
15	117 136	ENSEMBLE ILS CUTTER	SAFETY SWITCH ASSEMBLY
16	401 593	PLAQUE FRONTALE	FRONT PLATE
17	29 336	ENSEMBLE APPUI CUVE	BOWL SUPPORT ASSEMBLY
18	515 515	PRESSE ETOUPE	STRAIN RELIEF
19	118 419	SUPPORT CONTACTEUR	CONTACTOR SUPPORT
20	602 261	AGRAFE CONDENSATEUR DE DEMARRAGE	STARTING CAPACITOR SUPPORT
21	503 888	CONTACTEUR	CONTACTOR
22	110 308	GOUPILLE AXE MOTEUR	MOTOR SHAFT PIN
23	117 268	SUPPORT RELAIS	RELAY SUPPORT
24	504 127	RELAIS DE DEMARRAGE	STARTING RELAY
25	514 030	RELAIS DE DEMARRAGE	STARTING RELAY
26	29 620	ENSEMBLE SOCLE	BASE ASSEMBLY
27	39 833	PIED GRIS	GREY FOOT



ladav	Dácian	4i								
Index	Désigr									
A1 - A2						ONTINOUS C				
B1 - B2			DE DEMARF	KAGE	STARTING CAPACITOR CONTACTOR					
C D		FACTEUR .E D'ALIMEN'				DNTACTOR)			
M1 - M2	MOTE		TATION			OTOR)			
141 - 1412	MOTE	LUK			IVIV	OTOR				
N			verau mote New motor Type D29			Old r Type	moteur notor 2 D32			
			I		1					
Machine	Voltage	M 1	A1	B1	M2	A2	B2	С		D
24 654 ZAF					-	-	-	-		39 600
24 323	230/50/1									503 978
24 339 CH		301 093	502 473	600 087	303 021	501 914	502 474	509 12		504 075
24 197 UK	240/50/1									503 126
24 399 Aust										504 289
24 324					303 022	501 915	601 140		-	503 978
24 568 BRA 24 624 SAU	220/60/1	301 094	508 222	22 505 406	-	-	-	500 56		39 603 503 126
				ırs type D	NTION NING 32 ne son are no mo	-	-			
D32 Old to b	en moteu à rempla d motor de chang ncien mot Old moto Type D32	acer ? D32 led ? eur r		ommandez Order : 303 021 ou or 302 022	2:	Nouveau New m Type	notor	receive	25	
			, i i i i i i i i i i i i i i i i i i i	t de mise niveau) pgrade ki			22 Câbles e		24	21

151

Wires and technical instructions



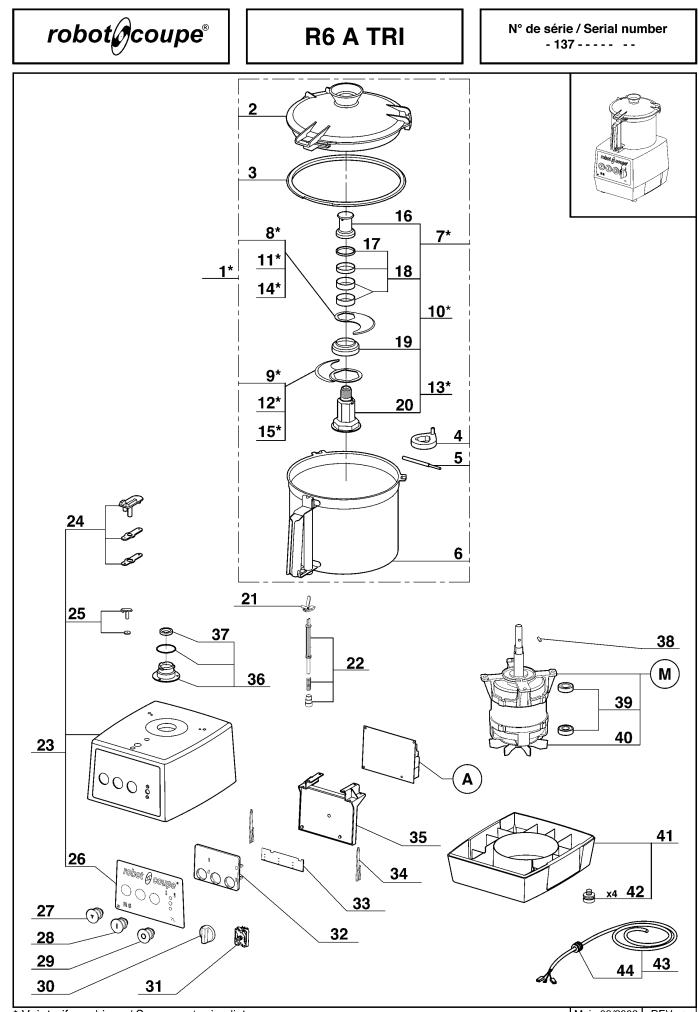
robot

R 5 V.V.A

27 127* 29 341 117 100 27 120* 117 106 39 827 39 474 29 595 29 586 29 336 117 703 29 533 406 279 502 171 502 170 502 169 117 073	CUTTER COMPLET ENS. COUVERCLE CUTTER JOINT COUVERCLE COUTEAU LISSE CUVE CUTTER ENS. GACHETTE CUVE ENS. TIGE SECURITE ENS. SUPPORT MOTEUR ENS. INTERRUPTEUR DE SECURITE ENS. APPUIS CUVE (x2) CLAVETTE ENS. SUPPORT PLATINE PLAQUE FRONTALE BOUTON NOIR BOUTON VERT BOUTON ROUGE	CUTTER ATTACHMENT CUTTER LID ASSEMBLY LID SEAL STRAIGHT BLADE CUTTER BOWL BOWL LATCH ASSEMBLY SAFETY ROD ASSEMBLY MOTOR SUPPORT ASSEMBLY SAFETY SWITCH ASSEMBLY BOWL SUPPORT ASSEMBLY (x2) KEY PCB SUPPORT ASSEMBLY FRONT PLATE BLACK KNOB GREEN KNOB					
117 100 27 120* 117 106 39 827 39 474 29 595 29 586 29 336 117 703 29 533 406 279 502 171 502 170 502 169	JOINT COUVERCLE COUTEAU LISSE CUVE CUTTER ENS. GACHETTE CUVE ENS. TIGE SECURITE ENS. SUPPORT MOTEUR ENS. INTERRUPTEUR DE SECURITE ENS. APPUIS CUVE (x2) CLAVETTE ENS. SUPPORT PLATINE PLAQUE FRONTALE BOUTON NOIR BOUTON VERT	LID SEAL STRAIGHT BLADE CUTTER BOWL BOWL LATCH ASSEMBLY SAFETY ROD ASSEMBLY MOTOR SUPPORT ASSEMBLY SAFETY SWITCH ASSEMBLY BOWL SUPPORT ASSEMBLY (x2) KEY PCB SUPPORT ASSEMBLY FRONT PLATE BLACK KNOB					
27 120* 117 106 39 827 39 474 29 595 29 586 29 336 117 703 29 533 406 279 502 171 502 170 502 169	COUTEAU LISSE CUVE CUTTER ENS. GACHETTE CUVE ENS. TIGE SECURITE ENS. SUPPORT MOTEUR ENS. INTERRUPTEUR DE SECURITE ENS. APPUIS CUVE (x2) CLAVETTE ENS. SUPPORT PLATINE PLAQUE FRONTALE BOUTON NOIR BOUTON VERT	STRAIGHT BLADE CUTTER BOWL BOWL LATCH ASSEMBLY SAFETY ROD ASSEMBLY MOTOR SUPPORT ASSEMBLY SAFETY SWITCH ASSEMBLY BOWL SUPPORT ASSEMBLY (x2) KEY PCB SUPPORT ASSEMBLY FRONT PLATE BLACK KNOB					
117 106 39 827 39 474 29 595 29 586 29 336 117 703 29 533 406 279 502 171 502 170 502 169	CUVE CUTTER ENS. GACHETTE CUVE ENS. TIGE SECURITE ENS. SUPPORT MOTEUR ENS. INTERRUPTEUR DE SECURITE ENS. APPUIS CUVE (x2) CLAVETTE ENS. SUPPORT PLATINE PLAQUE FRONTALE BOUTON NOIR BOUTON VERT	CUTTER BOWL BOWL LATCH ASSEMBLY SAFETY ROD ASSEMBLY MOTOR SUPPORT ASSEMBLY SAFETY SWITCH ASSEMBLY BOWL SUPPORT ASSEMBLY (x2) KEY PCB SUPPORT ASSEMBLY FRONT PLATE BLACK KNOB					
39 827 39 474 29 595 29 586 29 336 117 703 29 533 406 279 502 171 502 170 502 169	ENS. GACHETTE CUVE ENS. TIGE SECURITE ENS. SUPPORT MOTEUR ENS. INTERRUPTEUR DE SECURITE ENS. APPUIS CUVE (x2) CLAVETTE ENS. SUPPORT PLATINE PLAQUE FRONTALE BOUTON NOIR BOUTON VERT	BOWL LATCH ASSEMBLY SAFETY ROD ASSEMBLY MOTOR SUPPORT ASSEMBLY SAFETY SWITCH ASSEMBLY BOWL SUPPORT ASSEMBLY (x2) KEY PCB SUPPORT ASSEMBLY FRONT PLATE BLACK KNOB					
39 474 29 595 29 586 29 336 117 703 29 533 406 279 502 171 502 170 502 169	ENS. TIGE SECURITE ENS. SUPPORT MOTEUR ENS. INTERRUPTEUR DE SECURITE ENS. APPUIS CUVE (x2) CLAVETTE ENS. SUPPORT PLATINE PLAQUE FRONTALE BOUTON NOIR BOUTON VERT	SAFETY ROD ASSEMBLY MOTOR SUPPORT ASSEMBLY SAFETY SWITCH ASSEMBLY BOWL SUPPORT ASSEMBLY (x2) KEY PCB SUPPORT ASSEMBLY FRONT PLATE BLACK KNOB					
29 595 29 586 29 336 117 703 29 533 406 279 502 171 502 170 502 169	ENS. SUPPORT MOTEUR ENS. INTERRUPTEUR DE SECURITE ENS. APPUIS CUVE (x2) CLAVETTE ENS. SUPPORT PLATINE PLAQUE FRONTALE BOUTON NOIR BOUTON VERT	MOTOR SUPPORT ASSEMBLY SAFETY SWITCH ASSEMBLY BOWL SUPPORT ASSEMBLY (x2) KEY PCB SUPPORT ASSEMBLY FRONT PLATE BLACK KNOB					
29 586 29 336 117 703 29 533 406 279 502 171 502 170 502 169	ENS. INTERRUPTEUR DE SECURITE ENS. APPUIS CUVE (x2) CLAVETTE ENS. SUPPORT PLATINE PLAQUE FRONTALE BOUTON NOIR BOUTON VERT	SAFETY SWITCH ASSEMBLY BOWL SUPPORT ASSEMBLY (x2) KEY PCB SUPPORT ASSEMBLY FRONT PLATE BLACK KNOB					
29 336 117 703 29 533 406 279 502 171 502 170 502 169	ENS. APPUIS CUVE (x2) CLAVETTE ENS. SUPPORT PLATINE PLAQUE FRONTALE BOUTON NOIR BOUTON VERT	BOWL SUPPORT ASSEMBLY (x2) KEY PCB SUPPORT ASSEMBLY FRONT PLATE BLACK KNOB					
117 703 29 533 406 279 502 171 502 170 502 169	CLAVETTE ENS. SUPPORT PLATINE PLAQUE FRONTALE BOUTON NOIR BOUTON VERT	KEY PCB SUPPORT ASSEMBLY FRONT PLATE BLACK KNOB					
29 533 406 279 502 171 502 170 502 169	ENS. SUPPORT PLATINE PLAQUE FRONTALE BOUTON NOIR BOUTON VERT	PCB SUPPORT ASSEMBLY FRONT PLATE BLACK KNOB					
406 279 502 171 502 170 502 169	PLAQUE FRONTALE BOUTON NOIR BOUTON VERT	FRONT PLATE BLACK KNOB					
502 171 502 170 502 169	BOUTON NOIR BOUTON VERT	BLACK KNOB					
502 170 502 169	BOUTON VERT						
502 169		GREEN KNOB					
	BOUTON ROUGE						
117 073	1 200. DIT 10000L	RED KNOB					
	POIGNEE POTENTIOMETRE	POTENTIOMETER HANDLE					
39 202	POTENTIOMETRE	POTENTIOMETER					
103 905	DEFLECTEUR	DEFLECTOR					
39 973	SUPPORT VARIATEUR	VARIATOR SUPPORT					
117 705	SEPARATEUR DE FLUX	AIR FLOW SEPARATOR					
27 121*	COUTEAU CRANTE	SERRATED BLADE					
27 351*	COUTEAU DENTE	FINE SERRATED BLADE					
39 088	ENS. PORTE JOINT	SEAL SUPPORT ASSEMBLY					
501 624	BAGUE D'ETANCHEITE	SEAL RING					
110 308	GOUPILLE AXE MOTEUR	MOTOR SHAFT PIN					
303 009	MOTEUR	MOTOR					
39 819	ENS. ROULEMENTS	BEARINGS ASSEMBLY					
105 885	VENTILATEUR	FAN					
515 515	PRESSE ETOUPE	STRAIN RELIEF					
39 833	PIED GRIS (x4)	GREY FOOT (x4)					
		POWER CORD					
	ENS. SOCLE	BASE ASSEMBLY					
- C2	CARTE BOUTONS	CONTROLS BOARD					
- V2	VARIATEUR	VARIATOR					
_	110 308 303 009 39 819 105 885 515 515 39 833 A2 B2 C2	110 308 GOUPILLE AXE MOTEUR 303 009 MOTEUR 39 819 ENS. ROULEMENTS 105 885 VENTILATEUR 515 515 PRESSE ETOUPE 39 833 PIED GRIS (x4) A2 CABLE D'ALIMENTATION B2 ENS. SOCLE C2 CARTE BOUTONS					

		N°de série / Serial number							
Machine	Voltage	140*				567			
		A1	B1	C1	V 1	A2	B2	C2	V2
24 336	230/50-60/1	503 978			39 975	39 978	29 620	39 977	39 972
24 337 UK		503 126	29 581	117 706		39 979			
24 338 Aust		504 289				39 980			

* SI VOUS AVEZ DEJA REMPLACE VOTRE VARIATEUR PAR UN NOUVEAU, PASSEZ A LA COLONNE 567. * IF YOU HAVE ALREADY CHANGED YOUR VARIATOR BY A NEW ONE, USE COLUMN 567.



* Voir tarif machines / See export price list

154

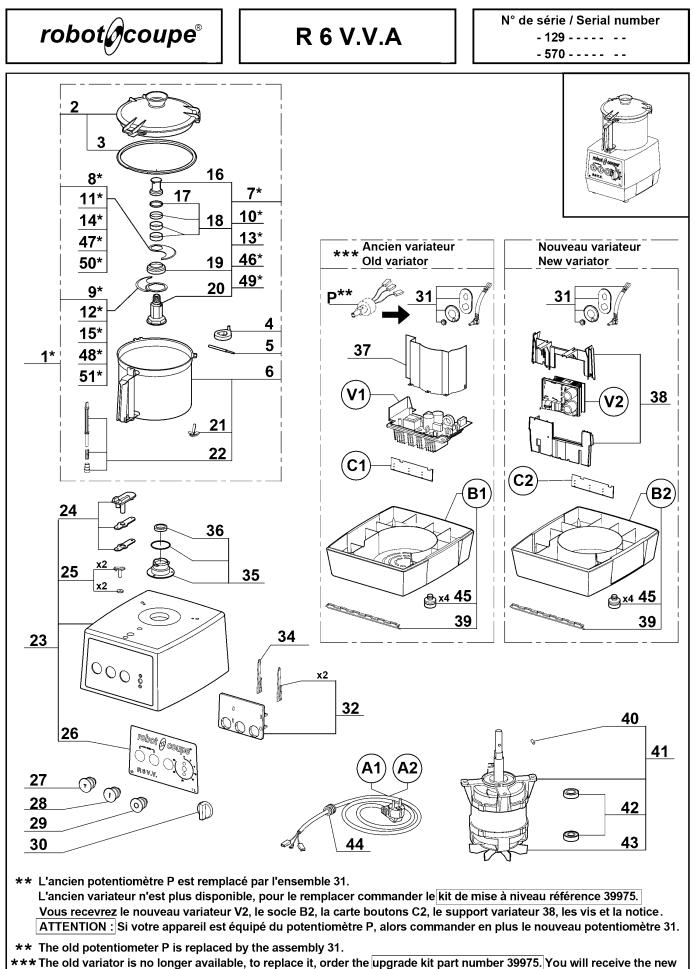
Maj : 09/2008 REV : a



R6 A TRI

N° de série / Serial number - 137 - - - - - -

Index	Pièce / Part	Désignation		Description					
1*	27 128*	CUTTER COMPLET		CUTTER ATTACHEMENT					
2	29 341	COUVERCLE CUTTE	R	CUTTER LID					
3	117 100	JOINT COUVERCLE		LID SEAL					
4	117 320	DEMONTE COUTEAU	J	DISSASEMBLY BLADES TOOL					
5	101 845	CLEF COUTEAU		KNIFE KEY					
6	117 107	CUVE CUTTER		CUTTER BOWL					
7*	27 124*	COUTEAU CR LISSE		STRAIGHT BLADE KNIFE CR					
8*	117 033*	LAME SUP CR LISSE		UPPER BLADE CR STRAIGHT					
9*	117 032*	LAME INF CR LISSE		LOWER BLADE CR STRAIGHT					
10*	27 125*	COUTEAU CR CRAN	TE	SERRATED BLADE KNIFE CR					
11*	117 035*	LAME SUP CR CRAN	TE	UPPER BLADE CR SERRATED					
12*	117 038*	LAME INF CR CRANT	E	LOWER BLADE CR SERRATED)				
13*	27 352*	COUTEAU CR DENTE	Ξ	FINE SERRATED BLADE CR					
14*	106 519*	LAME SUP CR DENT	E	UPPER BLADE CR FINE SERR	ATED				
15*	106 520*	LAME INF CR DENTE		LOWER BLADE CR FINE SERR	ATED				
16	102 073	ECROU DE COUTEAU	U	BLADE LOCKING NUT					
17	117 031	BAGUE PLASTIQUE 5	ōmm	PLASTIC RING 5mm					
18	39 835	ENS. BAGUES COUT	EAU	ST RING ASSEMBLY					
19	117 029	ENTRETOISE BASSE		LOWER SPACER					
20	103 904	SUPPORT COUTEAU	I	BLADE SUPPORT					
21	39 827	ENS. GACHETTE CU'	VE R 502	SPRING CATCH ASSEMBLY					
22	39 475	ENS. TIGE SECURITE	E R 602	SAFETY ROAD ASSEMBLY					
23	29 351	ENS. SUPPORT MOT	EUR	MOTOR SUPPORT ASSEMBLY					
24	29 586	ENS. ILS CUTTER		REED SWITCH CUTTER ASSE	MBLY				
25	29 336	ENS. APPUI CUVE		BOWL SUPPORT ASSEMBLY					
26	401 548	PLAQUE FRONTALE		FRONT PLATE					
27	502 171	BOUTON NOIR		BLACK KNOB					
28	502 170	BOUTON VERT		GREEN KNOB					
29	502 169	BOUTON ROUGE		RED KNOB					
30	117 072	POIGNEE COMMUTA	TEUR	COMMUTATOR HANDLE					
31	117 792	COMMUTATEUR		COMMUATOR					
32	29 533	ENS. SUPPORT PLAT	ΓINE	PCB SUPPORT ASSEMBLY					
33	117 813	CARTE BOUTON		CONTROLS PCB					
34	117 703	CLAVETTE		KEY					
35	117 809	SUPPORT PLATINE		CONTROL BOARD SUPPORT					
36	39 088	ENS. PORTE JOINT		SEAL SUPPORT ASSEMBLY					
37	501 624	BAGUE D'ETANCHEI	TE	SEAL RING					
38	110 308	GOUPILLE AXE MOT		MOTOR SHAFT PIN					
39	39 819	ENS. ROULEMENT M	OT R 502	BEARING ASSEMBLY					
40	105 885	VENTILATEUR		FAN					
41	29 581	ENS. SOCLE		BASE ASSEMBLY					
42	39 833	PIED GRIS		GREY FOOT					
43	515 570	CABLE D'ALIMENTAT	TION	POWER CORD					
44	515 515	PRESSE ETOUPE		STRAIN RELIEF					
	Α	PLATINE		POWER CIRCUIT BOARD					
	М	MOTEUR		MOTOR					
		•	·· ··						
		hine	Voltage	A	Μ				
	24 315 UK	<u> </u>	400/50/3	102 600	303 051				
	24 314 24 316		220/60/3		303 052				
	24 316		230/400/50/3						
	24 317		230/400/30/3	112 000	303 114				



*** The old variator is no longer available, to replace it, order the upgrade kit part number 39975. You will receive the new variator V2, the base B2, the controls board C2, the variator support 38, the screws and the technical instructions.

 CAUTION :
 If your machine is equipped with the potentiometer P, then order in addition the new potentiometer item 31.



R 6 V.V.A

N° de série / Serial number - 129 - - - - -- 570 - - - - - -

Index	Pièce / Part	Désignation	Description
1*	27 128*	CUTTER COMPLET	CUTTER ATTACHMENT
2	29 341	ENS. COUVERCLE CUTTER	CUTTER LID ASSEMBLY
3	117 100	JOINT COUVERCLE	LID SEAL
4	117 320	DEMONTE COUTEAU	DISSASEMBLY BLADE TOOL
5	101 845	CLEF COUTEAU	KNIFE KEY
6	117 107	CUVE CUTTER	CUTTER BOWL
7*	27 122*	ENS. COUTEAU LISSE DROIT	SMOOTH STRAIGHT BLADE ASSEMBLY
8*	117 037*	LAME SUP. LISSE DROITE	UPPER SMOOTH STRAIGHT BLADE
9*	117 036*	LAME INF. LISSE DROITE	LOWER SMOOTH STRAIGHT BLADE
10*	27 124*	ENS. COUTEAU LISSE CROISSANT	SMOOTH GROWING BLADE ASSEMBLY
11*	117 033*	LAME SUP. LISSE CROISSANT	UPPER SMOOTH GROWING BLADE
12*	117 032*	LAME INF. LISSE CROISSANT	LOWER SMOOTH GROWING BLADE
13*	27 123*	ENS. COUTEAU CRANTE DROIT	SERRATED STRAIGHT BLADE ASSEMBLY
14*	117 039*	LAME SUP. CRANTE DROIT	UPPER SERRATED STRAIGHT BLADE
15*	117 038*	LAME INF. CRANTE DROIT	LOWER SERRATED STRAIGHT BLADE
16	102 073	ECROU DE COUTEAU	BLADE LOCKING NUT
17	117 031	BAGUE PLASTIQUE 5mm	PLASTIC RING 5mm
18	39 835	ENS. BAGUES COUTEAU	
19	117 029		
20	103 904		
21	39 827		BOWL LATCH ASSEMBLY
22 23	39 475 29 583	ENS. TIGE SECURITE ENS. SUPPORT MOTEUR	SAFETY ROD ASSEMBLY MOTOR SUPPORT ASSEMBLY
23	29 585	ENS. INTERRUPTEUR DE SECURITE	SAFETY SWITCH ASSEMBLY
24 25	29 336	ENS. APPUIS CUVE (x2)	BOWL SUPPORT ASSEMBLY (x2)
25	401 565	PLAQUE FRONTALE	FRONT PLATE
27	502 171	BOUTON NOIR	BLACK KNOB
28	502 170	BOUTON VERT	GREEN KNOB
29	502 169	BOUTON ROUGE	RED KNOB
30	117 073	POIGNEE POTENTIOMETRE	POTENTIOMETER HANDLE
31	39 202	POTENTIOMETRE	POTENTIOMETER
32	29 533	ENS. SUPPORT PLATINE	PCB SUPPORT ASSEMBLY
34	117 703	CLAVETTE	KEY
35	39 088	ENS. PORTE JOINT	SEAL SUPPORT ASSEMBLY
36	501 624	BAGUE D'ETANCHEITE	SEAL RING
37	103 905	DEFLECTEUR	DEFLECTOR
38	39 973	SUPPORT VARIATEUR	VARIATOR SUPPORT
39	117 705	SEPARATEUR DE FLUX	AIR FLOW SEPARATOR
40	110 308	GOUPILLE AXE MOTEUR	MOTOR SHAFT PIN
41	303 009	MOTEUR	MOTOR
42	39 819	ENS. ROULEMENTS	BEARINGS ASSEMBLY
43	105 885	VENTILATEUR	FAN
44	515 515	PRESSE ETOUPE	STRAIN RELIEF
45	39 833	PIED GRIS (x4)	GREY FOOT (x4)
46	27 125	ENS. COUTEAU CRANTE CROISSANT	
47	117 035	LAME SUP. CRANTE CROISSANT	
48	117 034	LAME INF. CRANTE CROISSANT	LOWER SERRATED GROWING BLADE
49 50	27 352	ENS. COUTEAU DENTE CROISSANT	FINE SERRATED GROWING BLADE ASSEMBLY
50 51	106 519 106 520	LAME SUP. DENTE CROISSANT LAME INF. DENTE CROISSANT	UPPER FINE SERRATED GROWING BLADE LOWER FINE SERRATED GROWING BLADE
51	100 020		LOWERT INE GERRATED GROWING DEADE

robotØcoupe®	
--------------	--

R 6 V.V.A

Index	Désignation	Description	
A1 - A2	CABLE D'ALIMENTATION	POWER CORD	
B1 - B2	ENS. SOCLE	BASE ASSEMBLY	
C1 - C2	CARTE BOUTONS	CONTROLS BOARD	
V1 - V2	VARIATEUR	VARIATOR	

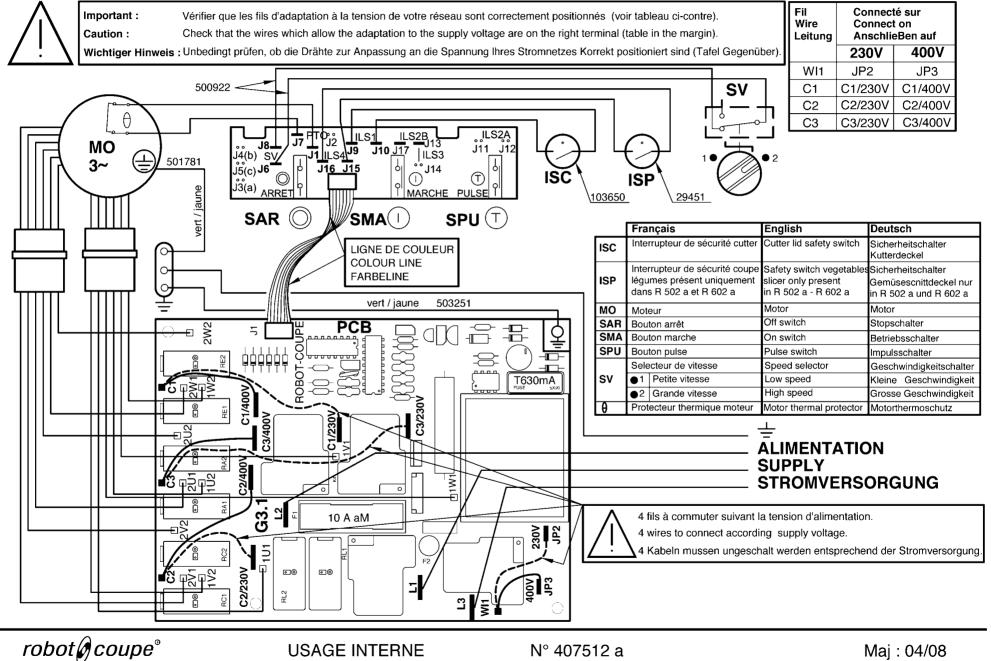
		N°de série / Serial number							
Machine	Voltage	129*			570				
		A1	B1	C1	V 1	A2	B2	C2	V2
24 305 UK		503 126			117 706 39 975 117 711	39 979	39 979 39 980 39 978	39 977	39 972
24 306 Aust		504 289	- 29 581	117 706		39 980			
24 304	200-230/50-60/1	503 978				20.070			
24 308		502 067				39 97 0			
24 307 JAP				-		39 991	1		

* SI VOUS AVEZ DEJA REMPLACE VOTRE VARIATEUR PAR UN NOUVEAU, PASSEZ A LA COLONNE 570. * IF YOU HAVE ALREADY CHANGED YOUR VARIATOR BY A NEW ONE, USE COLUMN 570.

BLIXER 5A Plus - BLIXER 6A - R 5A Plus - R 6A - R 502D - R 502E - R 602D - R 602E 230/400V-50Hz 3~ SCHEMA ELECTRIQUE

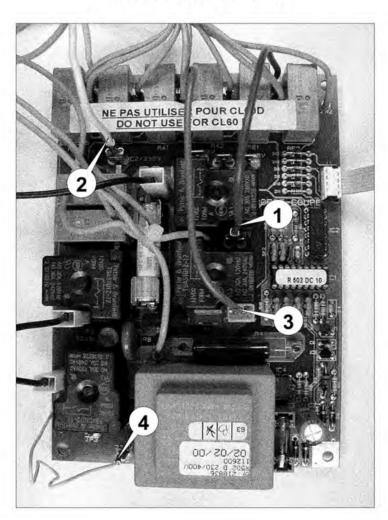
ELECTRIC DIAGRAM

ELEKTRISCHES SCHALTBILD

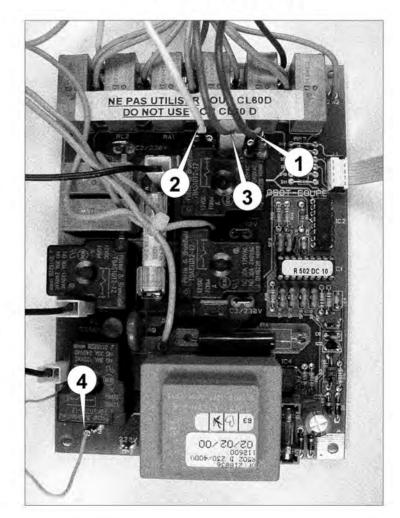


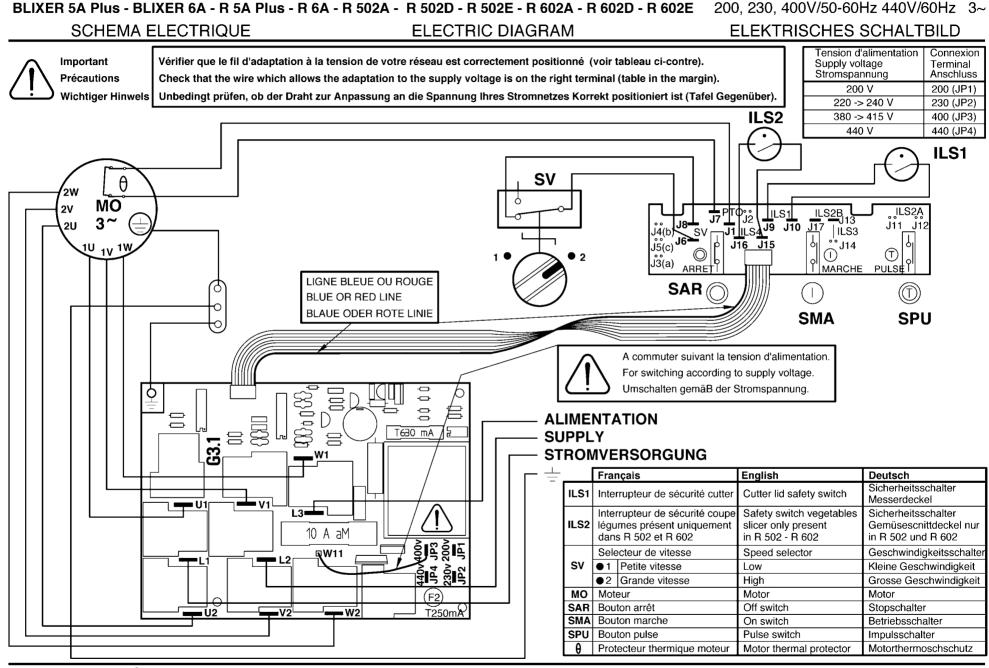
Blixer 5A Plus - R 5A Plus - R 6A - R 502D - R 602D230/400V - 50Hz - 3~ATTENTION :II y a 4 fils à connecter suivant la tension d'alimentation.CAUTION :There are 4 wires to connect according to the supply voltage.

230 V / 50 Hz / 3~

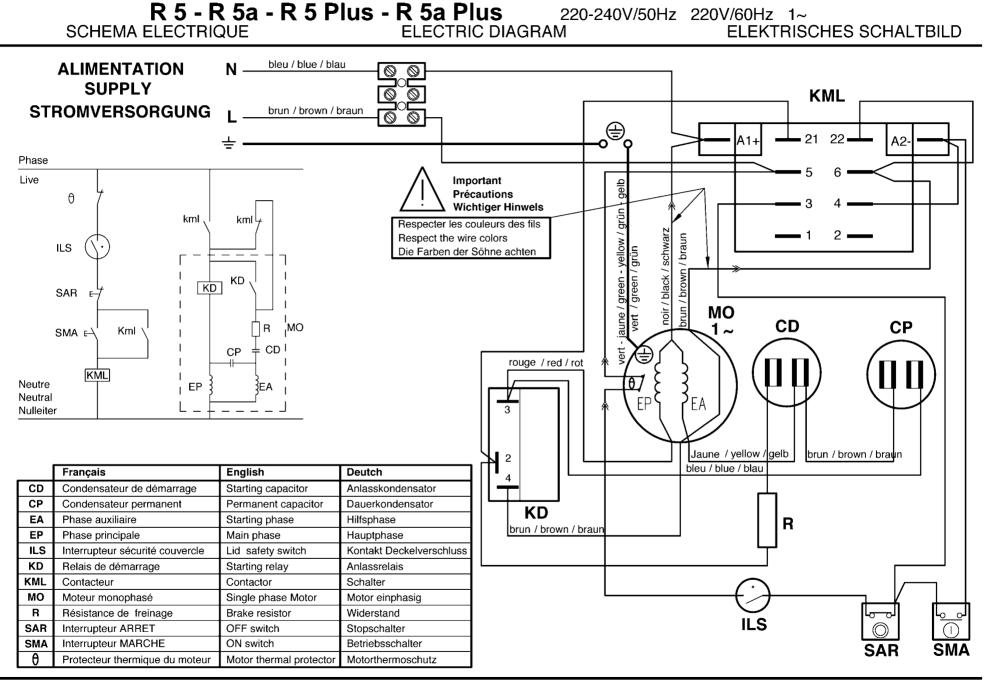


400 V / 50 Hz / 3~





robot@coupe[®]

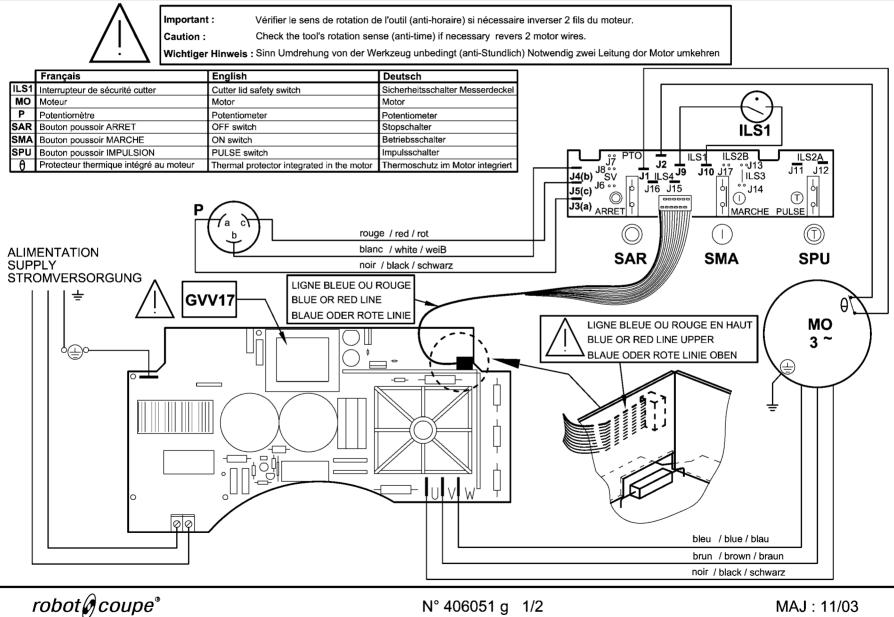


robot@coupe[®]

R 5 V.V.a - BLIXER 5 V.V.a / R 6 V.V.a - BLIXER 6 V.V.a

SCHEMA ELECTRIQUE

200-230V/50-60Hz 1~ **ELEKTRISCHES SCHALTBILD**



ELECTRIC DIAGRAM

N° 406051 g 1/2

SCHEMA ELECTRIQUE ELECTRIC DIAGRAM ELEKTRISCHES SCHALTBILD Important : Vérifier le sens de rotation de l'outil (anti-horaire) si nécessaire inverser 2 fils du moteur. Cautions : Check the tool's rotation sense (anti-time) if necessary revers 2 motor wires. Wichtiger Hinweis : Sinn Umdrehung von der Werkzeug unbedingt (anti-Stundlich) Notwendig zwei Leitung dor Motor umkehren Français English Deutsch ILS1 Interrupteur de sécurité cutter Cutter lid safety switch Sicherheitsschalter Messerdeckel MO Moteur Motor Motor Ρ Potentiomètre Potentiometer Potentiometer SAR Bouton poussoir ARRET OFF switch Stopschalter II S SMA Bouton poussoir MARCHE ON switch Betriebsschalter J4(b) ³SV J5(c) J6 ∞ '3(ε) SPU Bouton poussoir IMPULSION PULSE switch Impulsschalter 1 J2 ILS1 ILS2B ILS2A A Protecteur thermique intégré au moteu Thermal protector integrated in the motor Thermoschutz im Motor integriert ົ⊷J13 ∣ILS3 **J10** J17 J1 ILS4 J9 J1 ILS4 J9 J16 J15 $J_{11} J_{12}$ ٩ ا Ρ (T) \bigcirc J3(a) ARRET MARCHE PULSE h \bigcirc (\top) rouge / red / rot blanc / white / weiB SAR **SMA** SPU noir / black / schwarz LIGNE BLEUE OU ROUGE BLUE OR RED LINE θ BLAUE ODER ROTE LINIE MO **GVV29** 3~ ALIMENTATION SUPPLY STROMVERSORGUNG 놑 늪 \bigcirc \bigcirc 1 noir / black / schwarz bleu / blue / blau brun / brown / braun

R 5 V.V.a - BLIXER 5 V.V.a / R 6 V.V.a - BLIXER 6 V.V.a

robot@coupe[®]

200-230V/50-60Hz 1~

robot o coupe*

Head Office, French, Export and Marketing Department:

48, rue des Vignerons 94305 Vincennes Cedex- France Tel.: 01 43 98 88 15 - Fax: 01 43 74 36 26 Email: international@robot-coupe.com Robot Coupe Australia Pty Ltd: Unit 3/43 Herbert St Artarmon NSW 2064 Australia T (02) 9478 0300 F (02) 9460 7972 Email: orders@robotcoupe.com.au

www.robot-coupe.com

Robot-Coupe U.K. LTD:

Fleming Way, Isleworth, Middlesex TW7 6EU Tel.: 020 8232 1800 Fax: 020 8568 4966 Email: sales@robotcoupe.co.uk