INTRODUCTION

Thank you for purchasing this CLARKE Multi function tool kit.

Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service.

GUARANTEE

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

ENVIRONMENTAL RECYCLING POLICY

Through purchase of this product, the customer is taking on the obligation to deal with the WEEE in accordance with the WEEE regulations in relation to the treatment, recycling & recovery and environmentally sound disposal of the WEEE.

In effect, this means that this product must not be disposed of with general household waste. It must be disposed of according to the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognised disposal facility.

If disposing of this product or any damaged components, do not dispose of with general waste. This product contains valuable raw materials. Metal products should be taken to your local civic amenity site for recycling of metal products.
## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>CMFT250</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length of stroke</td>
<td>3.8mm</td>
</tr>
<tr>
<td>Strokes/minute</td>
<td>15000 - 21000</td>
</tr>
<tr>
<td>Orbit angle</td>
<td>3.2 degrees</td>
</tr>
<tr>
<td>Product weight</td>
<td>2.68 kg</td>
</tr>
<tr>
<td>Dimensions (D x W x H)</td>
<td>333 x 196 x 102mm</td>
</tr>
<tr>
<td>Operating voltage &amp; frequency</td>
<td>230 V~ 50 Hz</td>
</tr>
<tr>
<td>Electrical insulation class</td>
<td>Class II</td>
</tr>
<tr>
<td>Fuse rating</td>
<td>5 amps</td>
</tr>
<tr>
<td>Rated input power</td>
<td>250W</td>
</tr>
<tr>
<td>Vibration (sanding)</td>
<td>Less tan 3.332m/s2</td>
</tr>
<tr>
<td>Sound pressure level</td>
<td>82.4 dB LpA</td>
</tr>
<tr>
<td>Sound power</td>
<td>93.4 dB LpA</td>
</tr>
</tbody>
</table>

### Accessories

**Sanding pad**
- Backing pad type: Polymer with hook & loop system
- Dimensions: 91 x 91 x 91mm

**Scraper blade**
- Dimensions: 73 (total) x 50 (edge) x 0.95mm

**Straight cutting blade**
- Dimensions: 90 x 32 x 0.6mm
- Number of teeth: 23

**Semi circular cutting blade**
- Diameter & thickness: 87 x 0.65mm
- Number of teeth: 120

Please note that the details and specifications contained herein, are correct at the time of going to print. However, CLARKE International reserve the right to change specifications at any time without prior notice.
SAFETY WARNINGS

WORK AREA
1. Keep the work area clean and well lit. Cluttered and dark areas invite accidents.
2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

ELECTRICAL SAFETY
1. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce the risk of electric shock.
2. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
3. Do not abuse the power cable. Never use it for carrying, pulling or unplugging the power tool. Keep the power cable away from heat, oil, sharp edges or moving parts. Damaged or entangled cables increase the risk of electric shock.
4. When operating a power tool outdoors, use an extension cable suitable for outdoor use. Use of a cable suitable for outdoor use reduces the risk of electric shock.
5. If operating the power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.

PERSONAL SAFETY
1. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in personal injury.
2. Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
3. Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
4. Remove any wrench before turning the power tool on. A wrench left attached to a rotating part may result in personal injury.
5. **Do not overreach.** Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

6. **Dress properly.** Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

**POWER TOOL USE AND CARE**

1. **Do not force the power tool.** Use the correct accessories for your application. The correct power tool will do the job better and safer at the rate which it was designed.

2. **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

3. **Disconnect the plug from the power source before changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

4. **Store idle tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate it.** Power tools are dangerous in the hands of untrained users.

5. **Maintain power tools.** Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool’s operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

6. **Use the power tool and accessories in accordance with these instructions and in the manner intended, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from intended could result in a hazardous situation.

7. The performance of this tool may vary, depending upon variations in line voltage. Extension cable usage may also affect performance.

**SERVICING**

1. Have your power tool serviced by qualified service personnel using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

**SAFETY RULES FOR OSCILLATING SAWS & SANDERS**

1. **Hold power tools by insulated gripping surfaces when performing an operation where the cutting tools may contact hidden wiring.** Contact with a “live” wire will make exposed metal parts of the tool “live” and shock the operator. Do not cut or break into existing walls or other blind areas where electrical wiring may exist. If this situation is unavoidable, disconnect all fuses or circuit breakers feeding this worksite.
2. Use a metal detector to determine if there are gas or water pipes hidden in the work area or call the local utility company for assistance before beginning the operation. Striking or cutting into a gas line will result in explosion. Water entering an electrical device may cause electrocution.

3. Keep hands away from cutting area. Do not reach under the material being cut. The proximity of the blade to your hand is hidden from your sight.

4. Do not use dull or damaged blades. Bent blades can break easily or cause kickback.

5. Exercise caution when handling the accessories. The accessories are very sharp.


7. Limit the exposure time to vibration by taking frequent rest periods. Vibration caused by the tool may be harmful to the hands and arms.

8. Before scraping, check the workpiece for nails. If found, either remove them or set them well below intended finished surface. Striking a nail with accessory edge could cause the tool to jump.

9. Do not wet sand with this tool. Water entering the motor housing is an electrical shock hazard.

10. Never work in area which is wet or damp such as newly applied wallpaper. There is an electrical shock hazard when working in such conditions with a power tool and heating of the water caused by scraping action may cause harmful vapours to be emitted from workpiece.

11. Always wear eye protection and a dust mask for dusty applications and when sanding overhead. Sanding particles can be absorbed by your eyes and inhaled easily and may cause health complications.

12. Use special precautions when sanding chemically pressure treated lumber, lead-based paint, or any other material that may contain carcinogens. A suitable breathing respirator and protective clothing must be worn by persons entering the work area. The work area should be sealed by plastic sheeting and persons not protected should be kept out until work area is thoroughly cleaned.

13. Do not use sandpaper intended for larger sanding pads. Larger sandpaper will extend beyond the sanding pad causing snagging, tearing of the paper or kick-back. Extra paper extending beyond the sanding pad can also cause cuts.

Please keep these instructions in a safe place for future reference.
SAFETY SYMBOLS

Read instruction manual before use

Wear eye protection

Wear ear defenders

Wear protective gloves
ELECTRICAL CONNECTIONS

WARNING: READ THESE ELECTRICAL SAFETY INSTRUCTIONS THOROUGHLY BEFORE CONNECTING THE PRODUCT TO THE MAINS SUPPLY

Before switching the product on, make sure that the voltage of your electricity supply is the same as that indicated on the rating plate. This product is designed to operate on 230VAC 50Hz. Do not connect it to any other power source.

This product may be fitted with a non-rewireable plug. If it is necessary to change the fuse in the plug, the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a suitable replacement is obtained.

If the plug has to be changed because it is not suitable for your socket, or due to damage, it should be cut off and a replacement fitted, following the wiring instructions shown below. The old plug must be disposed of safely, as insertion into a mains socket could cause an electrical hazard.

WARNING: THE WIRES IN THE POWER CABLE OF THIS PRODUCT ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:

Blue = Neutral  Brown = Live

If the colours of the wires in the power cable do not correspond with the terminal markings of your plug, proceed as follows.

- The Blue wire must be connected to the terminal marked N or coloured Black.
- The Brown wire must be connected to the terminal marked L or coloured Red.

We strongly recommend that this product is connected to the mains supply via a Residual Current Device (RCD). If in doubt, consult a qualified electrician. DO NOT attempt repairs yourself.

This symbol indicates that this is a Class II product and does not require an earth connection.

Always fit a 13 Amp fuse.

Ensure that the outer sheath of the cable is firmly held by the clamp

Plug must be BS1363/A approved.

Neutral (Blue)

Live (Brown)

Earth (Green and Yellow)
When unpacking, check for damage or shortages etc. Any found should be reported to your CLARKE dealer where the appliance was originally purchased. The CMFT250 multi function tool kit is supplied with the following components:

1. 1 x Retaining Disc
2. 1 x Retaining Screw
3. 1 x Semi Circular Cutting Blade
4. 1 x Scraper Blade
5. 1 x Side Handle
6. 1 x Straight Cutting Blade
7. 3 x Sanding Sheets - 60, 120 & 240 grit
8. 1 x Sanding Pad
9. 1 x Hexagon key
BEFORE USE

WARNING: ENSURE THAT THE TOOL IS SWITCHED OFF AND UNPLUGGED FROM THE MAINS SUPPLY BEFORE FITTING OR REMOVING THE ACCESSORIES OR HANDLE.

FITTING THE SIDE HANDLE

1. If required, screw the side handle onto the body of the tool.

NOTE: The handle can be fitted for left or right handed use as required. Choose the most appropriate position for user comfort and the task in hand.

FITTING THE ACCESSORIES

The multi-function tool should be supplied with the retaining disc held in place by the retaining screw.

NOTE: The drive spindle has four accessory locating pins as shown.

1. Remove the retaining screw using the hex key supplied, and lift away the retaining disc.

2. Position your chosen accessory on the drive spindle, ensuring that the locating pins engage with the corresponding holes in the accessory and that the accessory lays flat on the spindle.

3. Replace the retaining disc, ensuring that the flat face is in contact with the accessory, and secure in place with the retaining screw.

NOTE: All accessories are fitted in this way.
Tighten the retaining screw in a clockwise direction using the hex key supplied. Do not overtighten.

FITTING THE SANDING SHEETS

The sanding pad is faced with hook and loop material enabling the sanding sheets to be quickly and simply attached or removed.

1. Align the sanding sheet to the sanding pad and press firmly to attach in place.
   - Try to ensure that the holes in the sanding sheet line up with the holes in the sanding pad.

2. To remove the sanding sheet, carefully peel off the sheet from one of the corners.
OPERATION

1. Hold the tool firmly and switch on by sliding the On/Off switch forward. The motor will then run continuously. Slide the switch back and the motor will stop.

2. Adjust the speed control to the desired working speed by turning the thumb-wheel at the rear of the machine.

3. Slowly apply the tool to the workpiece and proceed to sand or cut. Move the tool across the work applying a light even pressure.
   • Whether cutting, scraping or sanding, always ensure the workpiece is securely fixed, i.e. clamped to a workbench or secured in a vice.

4. When working on car bodywork, the vibration may cause any items left on the car bonnet, boot or roof to fall, leading to injury to yourself or others in the work vicinity. Always keep the work area tidy.

WARNING: ENSURE THAT THE WORKING POSITION ADOPTED DOES NOT CAUSE OPERATOR FATIGUE WHICH MAY LEAD TO LOSS OF CONTROL.

USING THE SANDER ATTACHMENT

In sanding mode, the tool can be used to sand materials such as wood, plastic, metal and painted surfaces.

WARNING: ALWAYS WEAR EYE PROTECTION AND A DUST MASK FOR DUSTY APPLICATIONS AND WHEN SANDING OVERHEAD.

Ensure you have the correct sanding paper for the application. Always test on scrap material before using on your final workpiece.
CHOOSING THE CORRECT SANDING SHEET

The sanding sheets are rated according to the number marked on the back of each sheet. The lower the number, the coarser and more abrasive the particles on the sheet will be.

Very coarse grit (e.g. 40) is used for removing paint and sanding down rough surfaces.

Medium grit (e.g. 80) is used for sanding down plain timber.

Fine grit (e.g. 120) is used to give a smooth finish to bare wood.

Very fine grit (400 & above) is used for fine sanding between coats of paint.

SANDING

1. Taking care that the sander is not touching the work piece, switch the tool on. Adjust the speed control to the desired setting for the task.

2. Place the tool on the workpiece, ensuring the whole area of the sanding base/pad is in contact with the work surface.

3. Allow the tool to do the work and do not apply heavy pressure. Heavy pressure does not increase the removal of material but may wear out the sanding sheets faster.

4. If sanding into corners, use the tip or corner of the sanding pad.

NOTE: The sanding pad must be kept flat on the workpiece. Take care not to tilt the base and use the edge of the pad. This will damage the sanding sheet and pad, making it harder to grip the sanding sheet.

NOTE: Take care not to apply excessive pressure as this can cause circular tooling marks on the work, especially if using coarse sanding sheets.
USING THE SAW ATTACHMENTS

In sawing mode, the tool can be used to cut materials such as wood, plastics and sheet metal such as aluminium, although the supplied blades are not ideally suited to cutting steel or similar ferrous metals.

CAUTION: CLAMP YOUR WORKPIECE SECURELY IF POSSIBLE BEFORE STARTING WORK.

Note: Ensure the blade is sharp and not damaged before starting work.

SAWING WITH THE STRAIGHT OR SEMI CIRCULAR BLADES

1. Switch the tool on before it touches the work piece.

2. Adjust the speed control to the desired setting for the task. Select a high speed for sawing.

3. If making a plunge cut use a slight pendulum motion to allow chip/debris removal.

NOTE: If using the saw attachments for plunge cuts, only use the saw on soft materials such as softwood and plaster boards. Always check that there are no nails or screws in the workpiece before cutting.

USING THE SCRAPER

In scraping mode, the tool can be used to remove materials such as paint, sealant residues, adhesives, fabrics and vinyl from materials such as wood, plastic, metal and painted surfaces.
1. Switch the tool on before it touches the work piece.

2. Adjust the speed control to a medium/high speed as required.

3. Place the tool on the workpiece, ensuring the angle of the scraper blade to the workpiece is correct.

4. Allow the tool to do the work and do not apply a heavy pressure which can cut into the surface and overload the tool.

**NOTE:** The scraping blade is designed for scraping soft materials from flat surfaces. Ensure you get the correct angle and only apply light pressure to avoid cutting the surface.

**NOTE:** The scraper blade is quite sharp and tends to remove the surface from soft materials such as timber (acting in a similar way to a chisel). Great care should therefore be taken when removing coatings from these types of materials.

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**MAINTENANCE**

Before starting any cleaning or maintenance, always ensure the tool is isolated from the electrical supply by switching off and removing the plug from the power socket.

**BEFORE USE**

1. Always inspect the tool before use and ensure it is in top condition.

2. Ensure all fixing screws remain tight to ensure the tool is in safe working condition.

3. Inspect the power cable to ensure it is sound and free from damage.

**CLEANING**

1. Ensure all air ventilation slots are clear. (Use compressed air to clean the tool if possible. Always wear protective goggles when cleaning with compressed air).

2. Clean the exterior of the tool with a soft cleaning cloth. Never use any chemicals or harsh abrasives. Avoid using solvents when cleaning plastic parts which may be susceptible to damage from various types of 10 commercial solvents.
**GENERAL MAINTENANCE**

All bearings etc, in this tool are lubricated with a sufficient amount of high grade lubricant for the tools lifetime under normal operating conditions, therefore no further lubrication is necessary.

The carbon brushes in the tool will eventually wear down to such an extent that sparks will be noticed inside the tool and its performance will deteriorate. Brushes are a consumable spare which should be replaced by your Clarke dealer or power tool repairer.

Refer to your CLARKE dealer if internal maintenance is required.

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## FAULTFINDING

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tool will not operate</td>
<td>No power supply</td>
<td>Check supply and rectify as necessary.</td>
</tr>
<tr>
<td></td>
<td>Switch is faulty</td>
<td>Consult your dealer</td>
</tr>
<tr>
<td></td>
<td>Fuse blown.</td>
<td>Check and replace as necessary.</td>
</tr>
<tr>
<td></td>
<td>Motor is faulty</td>
<td>Consult your dealer</td>
</tr>
<tr>
<td>Motor runs but tool accessory does not move.</td>
<td>Accessory fastening not engaged.</td>
<td>Re-fit accessory correctly.</td>
</tr>
<tr>
<td></td>
<td>Drive gear broken</td>
<td>Consult your dealer</td>
</tr>
<tr>
<td>Heavy internal sparking</td>
<td>Faulty motor or worn brushes.</td>
<td>Consult your dealer</td>
</tr>
<tr>
<td>Motor becomes hot</td>
<td>Unduly heavy use.</td>
<td>Reduce the force applied to the tool. Let the tool do the work.</td>
</tr>
<tr>
<td></td>
<td>Air vents have become blocked.</td>
<td>Clean out the air vent using compressed air or clean with a dry cloth.</td>
</tr>
<tr>
<td></td>
<td>Low supply voltage.</td>
<td>Ensure supply voltage is correct. If an extension cable is used, ensure it is of the correct rating and is fully unwound.</td>
</tr>
<tr>
<td>Excessive vibration</td>
<td>Machine bearings worn.</td>
<td>Consult your dealer</td>
</tr>
</tbody>
</table>
DECLARATION OF CONFORMITY

We hereby declare that this product(s) complies with the following directive(s):

2006/42/EC  Machinery Directive.

The following standards have been applied to the product(s):


The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2010

Product Description: 250W Multi Function Tool
Model number(s): CMFT250
Serial / batch Number: N/A
Date of Issue: 19/08/2020

Signed:

J.A. Clarke
Director
## PART LIST

<table>
<thead>
<tr>
<th>No.</th>
<th>Part Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hex screw</td>
</tr>
<tr>
<td>2</td>
<td>Flat washer</td>
</tr>
<tr>
<td>3</td>
<td>Sanding pad</td>
</tr>
<tr>
<td>4</td>
<td>Drive spindle</td>
</tr>
<tr>
<td>5</td>
<td>Sealing ring</td>
</tr>
<tr>
<td>6</td>
<td>Circlip</td>
</tr>
<tr>
<td>7</td>
<td>Ball bearing</td>
</tr>
<tr>
<td>8</td>
<td>Connecting plate</td>
</tr>
<tr>
<td>9</td>
<td>Needle bearing</td>
</tr>
<tr>
<td>10</td>
<td>Drive housing</td>
</tr>
<tr>
<td>11</td>
<td>Screw</td>
</tr>
<tr>
<td>12</td>
<td>Bearing</td>
</tr>
<tr>
<td>13</td>
<td>O-ring</td>
</tr>
<tr>
<td>14</td>
<td>Bearing housing</td>
</tr>
<tr>
<td>15</td>
<td>Ball bearing</td>
</tr>
<tr>
<td>16</td>
<td>Baffle</td>
</tr>
<tr>
<td>17</td>
<td>Armature</td>
</tr>
<tr>
<td>18</td>
<td>Ball bearing</td>
</tr>
<tr>
<td>19</td>
<td>Screw</td>
</tr>
<tr>
<td>20</td>
<td>Stator</td>
</tr>
<tr>
<td>21</td>
<td>Motor Housing</td>
</tr>
<tr>
<td>22</td>
<td>On/off switch</td>
</tr>
<tr>
<td>23</td>
<td>Switch actuating rod</td>
</tr>
<tr>
<td>24</td>
<td>Carbon brush (pair)</td>
</tr>
<tr>
<td>25</td>
<td>Brush holder (pair)</td>
</tr>
<tr>
<td>26</td>
<td>Copper sleeve (pair)</td>
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<tr>
<td>27</td>
<td>Rubber Pin</td>
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<tr>
<td>28</td>
<td>Screw</td>
</tr>
<tr>
<td>29</td>
<td>Cable sheath</td>
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<td>30</td>
<td>Power cable</td>
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<tr>
<td>31</td>
<td>Circuit board</td>
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<td>32</td>
<td>Label</td>
</tr>
<tr>
<td>33</td>
<td>Rear cover</td>
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<tr>
<td>34</td>
<td>Screw</td>
</tr>
<tr>
<td>35</td>
<td>Allen key</td>
</tr>
<tr>
<td>36</td>
<td>Scraper</td>
</tr>
<tr>
<td>37</td>
<td>Straight blade</td>
</tr>
<tr>
<td>38</td>
<td>Semi-circular blade</td>
</tr>
<tr>
<td>39</td>
<td>Cable clamp</td>
</tr>
<tr>
<td>40</td>
<td>Auxiliary handle</td>
</tr>
</tbody>
</table>

## CONSUMABLE SPARE PARTS

The Multi-Function Tool Accessory Kit - (Part No 6462202) includes the following and is available from your CLARKE dealer. This includes:

- 2 x 32 mm Straight Blade
- 1 x 20 mm Straight Blade
- 1 x Grout Removing Disc
- 1 x Semi-Circular Saw Blade
A SELECTION FROM THE VAST RANGE OF

QUALITY PRODUCTS

AIR COMPRESSORS
From DIY to industrial, Plus air tools,
spray guns and accessories.

GENERATORS
Prime duty or emergency standby
for business, home and leisure.

POWER WASHERS
Hot and cold, electric and engine
driven - we have what you need

WELDERS
Mig, Arc, Tig and Spot.
From DIY to auto/industrial.

METALWORKING
Drills, grinders and saws for DIY
and professional use.

WOODWORKING
Saws, sanders, lathes, mortisers
and dust extraction.

HYDRAULICS
Cranes, body repair kits,
transmission jacks for all types of
workshop use.

WATER PUMPS
Submersible, electric and engine driven
for DIY, agriculture and industry.

POWER TOOLS
Angle grinders, cordless drill sets,
saws and sanders.

STARTERS/CHARGERS
All sizes for car and commercial use.

PARTS & SERVICE:
0208 988 7400

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SALES: UK 01992 565333 or Export 00 44 (0)1992 565335

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