

# Vitrex®

Sign of a professional job

## Long Reach Sander Safety and Operating Manual



\*Vitrex Triangular head can be purchased separately.

### Environmental Protection

Waste electrical products should not be disposed of with household waste.  
Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



### Safety First

Always wear Vitrex Protective Equipment when using hand or power tools.



# LONG REACH SANDER

## Owner's Safety and Operating Manual

### PRODUCT DESCRIPTION

The machine is designed for sanding plasterboard, ceilings and walls of inner and outer surfaces, clearing floor residues, paint coatings, adhesive and loose plaster etc.

Our machine is not suitable for processing any substrates containing asbestos.



You must abide by certain safety precautions when using the sander. In order to prevent injuries and damages from occurring, you must always read through this operating manual carefully.

This manual must be kept in a safe place so that the information that it contains is always available. This operating manual must accompany the equipment if it is transferred to somebody else.

We do not accept any liability for accidents or damage arising from ignoring this manual and the safety instructions.

### SPECIFICATIONS

|  |   |
|--|---|
| Model No.                              | LRS700                                    |
| Power                                  | 600W                                      |
| Voltage                                | 220V~50/60Hz 110V~50/60Hz                 |
| Speed                                  | 600 -1500 /min                            |
| Sanding pad diameter                   | 215mm                                     |
| Sandpaper diameter                     | 225mm                                     |
| Tube diameter                          | 32mm                                      |
| Short length (Without additional tube) | 1.10m                                     |
| Long length (With additional tube)     | 1.65m                                     |
| Short weight                           | 3.2 kg                                    |
| Long weight                            | 3.6 kg                                    |
| Protection class                       | <input type="checkbox"/> Double insulated |
| Hand-Arm-Vibration                     | $a_{h,DS}=3.03m/s^2$<br>$K=1.5m/s^2$      |

## SAFETY INSTRUCTIONS

The following pictograms appear throughout these operating instructions:



Indicates danger of injury and possible damage to the appliance if these instructions are not followed.



Indicates the presence of electric shocks.

Read through these operating instructions carefully before using the sander. Become familiar with the functions and method of operation. To ensure proper operation, always maintain the sander according to the instructions. The operating instructions and associated documents should always be kept close to the sander.

When using power tools, you must observe the following basic safety precautions in order to ensure protection from electric shocks, injury and fire. Read and follow all the instructions before using this power tool.



Always check if your mains voltage corresponds with the value on the type plate



The machine has been double-insulated in accordance with EN60745: therefore, an earth wire is not necessary

**USE CORRECT SUPPLY VOLTAGE:** The power supply voltage must match the information quoted on the identification plate.

**USE A PROPER EXTENSION CORD:** Only use an approved extension cable that is suitable for the machine's power. The cord must have a diameter of at least 1.5mm<sup>2</sup>. When the extension cable is on a reel, unroll the cable in its entirety.

### SWITCH OFF THE MACHINE IMMEDIATELY IN CASE OF:

1. Malfunction in the mains plug, power cable or damaging of cable.
2. Broken switch.
3. Smoke or smell of scorched insulation.

## GENERAL SAFETY RULES



**WARNING! Read all safety warnings and all instructions.**

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) sander.

### 1) WORK AREA SAFETY

- a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- b) 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.
- c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

## 2) ELECTRICAL SAFETY

- a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) Always connect to the power source using an RCD adapter. If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

## 3) PERSONAL SAFETY

- a) Stay alert, a moment of inattention while operating power tools may result in serious personal injury.
- b) Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce the risk of personal injuries.
- c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f) Dress appropriately. 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 resulting in injury.
- g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

## 4) POWER TOOL USE AND CARE

- a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- b) 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.



- c) Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- e) 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.
- f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) Use the power tool, accessories and tool bits etc. In accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations other than those intended could result in a hazardous situation.

## 5) SERVICE

- a) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

## 6) PRECAUTIONS WHEN USING THE LONG REACH SANDER

**Attention!** You must abide by the following basic safety measures against electrical shocks, injuries and the danger of fire when using electric tools. Read and abide by these instructions before you start to use any tools. These instructions must be kept in a safe place.

- The equipment must never be used in surroundings where an explosive atmosphere exists.
- Do not let the cable touch any parts of your body.
- Only use the extension cable approved for use in the working area.
- Do not force the machine for unsuitable work, for example, rough sanding, brushing, etc.
- Only use identical replacement parts when servicing.
- The accessories' allowed speed must be at least the same as the maximum speed of the machine. Or else, they may be broken or cracked when their running speed is go over the machine's allowed speed.
- Do not use damaged accessories. Before use, always check whether the accessories are nicked or cracked. For example, on the sanding pad, please check the support plate is not cracked. Ensure everybody to be out of the machine's rotation area and run the machine at maximum speed for one minute, to fully test the accessories.
- Do not put down the machine when it has not stopped completely.
- Clean the exhaust port on the machine regularly. When working, control the machine firmly with both hands to ensure safe operation.
- When sanding, use the correct size sanding disc. When choosing a sanding disc, please observe the manufacturer's specifications.



- The sander must only be connected to one extension tube at any time.
- We recommend that you always wear appropriate safety gloves and safety goggles when working with the long reach sander.
- Wearing close-fitting clothes is mandatory.
- Always allow for torque reaction
- Wear protection mask P2 to protect from hazardous dusts. Ensure a suitable vacuum cleaner is used with the sander.

## 7) HOW TO USE THE LONG REACH SANDER



Before setting up, repair or maintenance of the appliance you must always turn off the operating switch and pull out the mains plug!

### 7.1 Installation

- Fold the front and back part together (see Fig. 1-1, Fig. 1-2). Push the lever to right position and keep the tip adjacent to the handle (see Fig. 1-2), and then press the lever towards the handle until the end. (see Fig. 1-3).
- Unfold the handle by lifting up the lever from the bottom of the clip

Fig. 1-1

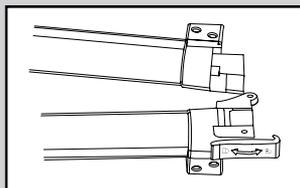


Fig. 1-2

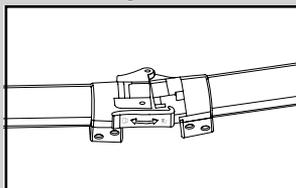
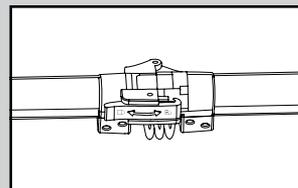
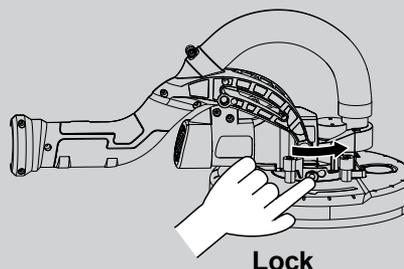
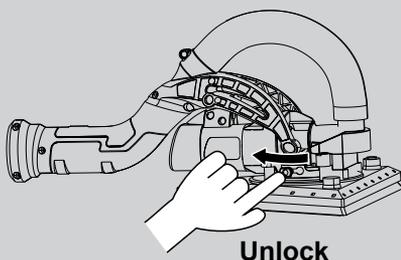


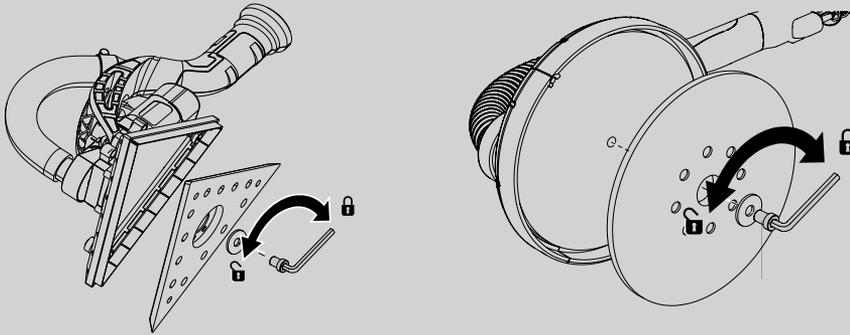
Fig. 1-3



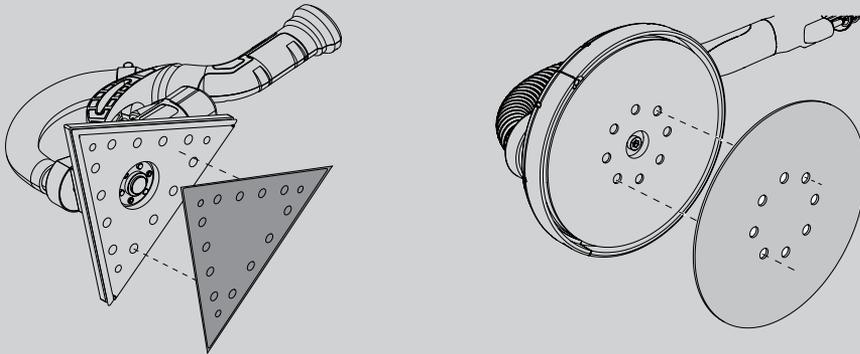
Attach sanding head to the sander ensuring it is locked in position.



Attach backing pad to head.

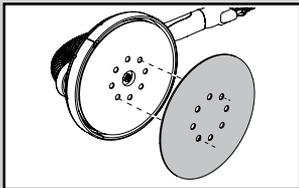


Attach abrasive sanding disc to backing pad. Only use specified sanding pads.



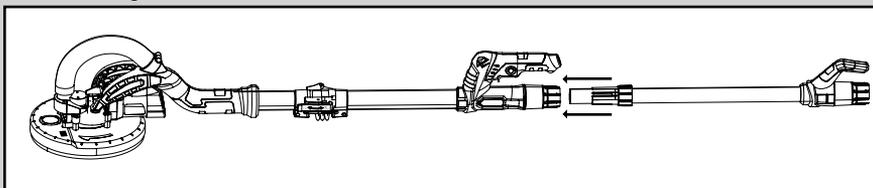
- Ensure the holes on the sanding disc fit the holes on the pad accurately (Fig 2)

Fig. 2



- Insert the additional handle to the end of the machine. Then turn the screw nut on the end of the machine for tightening. (Fig 3)

Fig. 3



For maximum length

## 7.2. Electronic Control

This machine has two speed settings:

Fig. 4



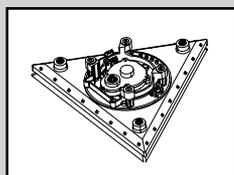
### Adjustable Speed

- Adjust the speed from 600 -1500rpm by turning the speed wheel (Fig. 4), to select the appropriate speed for the surface to be sanded.

### Lock-on Switch

- Keep the machine running at the same speed constantly by pressing the lock-on switch.

## 7.3 Optional Sanding Head



Sanding head can be interchanged for triangular unit (optional extra).

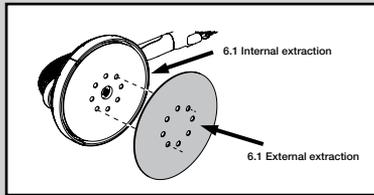
In order to ensure optimal performance the machine should be run at slightly lower speed for several minutes to make the sanding pad fit the sealing surface perfectly. During this process, the white foam particles will come out from the sanding head. However, this won't damage the machine.

Optional head and spares.

| Product Code | Description  | Grade      |
|--------------|--|------------|
| LRSDISC60    | Vitrex Round Sanding Disc 60 grit - pack of 10       | Coarse     |
| LRSDISC80    | Vitrex Round Sanding Disc 80 grit - pack of 10       | Medium     |
| LRSDISC120   | Vitrex Round Sanding Disc 120 grit - pack of 10      | Fine       |
| LRSDISC150   | Vitrex Round Sanding Disc 150 grit - pack of 10      | Fine       |
| LRSDISC180   | Vitrex Round Sanding Disc 180 grit - pack of 10      | Extra fine |
| LRSDISC240   | Vitrex Round Sanding Disc 240 grit - pack of 10      | Extra fine |
| LRSPAD       | Vitrex Replacement Round Sanding Head                | N/A        |
| LRSDH001     | Vitrex Triangular head                               | N/A        |
| DHDISC60     | Vitrex Triangular Sanding Disc 60 grit - pack of 10  | Coarse     |
| DHDISC80     | Vitrex Triangular Sanding Disc 80 grit - pack of 10  | Medium     |
| DHDISC120    | Vitrex Triangular Sanding Disc 120 grit - pack of 10 | Fine       |
| DHDISC150    | Vitrex Triangular Sanding Disc 150 grit - pack of 10 | Fine       |
| DHDISC180    | Vitrex Triangular Sanding Disc 180 grit - pack of 10 | Extra fine |
| DHDISC240    | Vitrex Triangular Sanding Disc 240 grit - pack of 10 | Extra fine |

## 7.4 Two Options For Extracting Dust

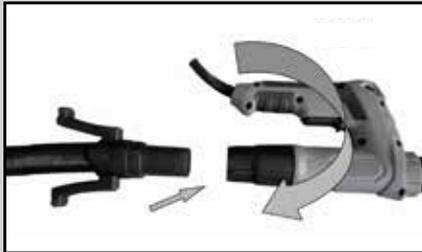
Fig. 6



- There are internal extraction [6.1] and external extraction [6.2] for dust particles. The 8-hole internal extraction system collects fine dust particles, for optimum dust extraction.

## 7.5 Connect to Vacuum Cleaner

Fig. 7



Inhalation of dust is hazardous to health! When carrying out work which can produce dust, please always wear a dust mask.

- Loosen the fastening nut.
- Connect the hose to the exit of the handle (Fig. 7)
- The other end of the hose is connected to the vacuum cleaner.

## 8) OPERATING THE MACHINE

- Do not control the machine's head.
- Hold the machine with both hands.
- Before operating the machine, make sure every fastening handle is closed.
- Connect the machine to the main power supply.
- Before switching on the machine, keep the sanding head slightly away from the work surface.
- Start the machine for necessary sanding work.
- Operate the machine with short length in narrow and awkward areas.
- Run the machine with medium length for higher walls.
- Use the machine with longest length for ceilings.
- Do not use excessive pressure! Press with appropriate pressure for effective sanding. Good sanding effects and quality are achieved by choosing the appropriate abrasive material.
- Switch off the sander after each use.

## 9) CARE AND MAINTENANCE



Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.

- Your power tool requires no additional lubrication or maintenance. Always store your power tool in a dry place.



- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- If a fault can not be rectified, return the sander to an authorised dealer for repair.

### **Cleaning**

- Keep the safety devices, ventilation slots and motor housing as free of dirt and dust as possible. Clean the unit by rubbing it with a clean cloth or blow it clean using low-pressure compressed air.
- We recommend that you always clean the unit immediately after using it.
- Clean the unit regularly by rubbing it with a damp cloth and a little soft soap. Do not use cleaners or solvents; these will attack the plastic parts in the unit. You must also ensure that water cannot get into the inside of the unit.

### **Carbon brushes**

- If excessive sparking occurs you must have the carbon brushes checked by a qualified electrician.

**Attention! Only a qualified electrician is allowed to change the brushes.**

## **10) CORRECTIVE ACTION IN CASE OF FAILURE**

- (1) The operating switch is switched on, but the motor is not working.
  - Wires in the mains plug or in the socket are loose.  
*Have socket and plug checked or repaired.*
  - The switch is faulty.  
*Have the switch replaced.*
- (2) The operating switch is switched on, but unusual noises can be heard, the motor is not working or only very slowly.
  - Switch contact has failed.  
*Have the switch replaced.*
  - Component jammed.  
*Have the electric tool checked or repaired.*
  - Too much thrust, as a result the motor is dragging.  
*Use less thrust during the task.*
- (3) Motor gets hot.
  - Foreign substances have got inside the motor.  
*Have the foreign substances removed.*
  - Lack of or contaminated lubrication grease.  
*Have lubricating grease applied or replaced.*
  - Pressure too high  
*Use less thrust during the task*
- (4) Frequent or strong sparks on the commutator.
  - Short circuit on the armature.  
*Have the armature replaced.*





- Carbon brushes worn out or jammed  
*Have the carbon brushes checked.*
- Rough running of the commutator.  
*Have the surface of the commutator cleaned or ground.*

**For your own safety, never remove parts or accessories of the sander during operation. In case of fault or damage have the sander repaired only by a specialist workshop or by the manufacturer.**

**For your personal safety, READ and UNDERSTAND these instructions before using the sander. Save This Instruction Manual For Further Reference.**

**Always Wear Ear Protection and a Respiratory Mask With This Tool.**



**Vitrex®** 

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# Long Reach Sander

## Safety and Operating Manual



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