

**WARNING!**

If the catches are not properly located in the lugs, there is a risk that the dust cylinder package can drop, with a consequential risk of crash injury

**BASIC TECHNIQUES**

Having prepared the grinder, wheel the machine to the far corner of the floor, placing it as close to the corner as possible.

Connect the machine to power supply. Make sure the emergency button is reset. Turn the power switch to "1" in order to start the grinder. Hold the knob in start position for 1 - 2 seconds.

Do not hold the knob in "1" position for longer than is needed to start the machine. Holding the switch in start position "1" for longer will damage the machine.

During the operation push the machine forward over the floor surface.

**WARNING!**

During grinding, the tools become very hot. Tip the machine back and allow it to stand for a short while.

**CAUTION!**

Some parts of the machine can become very hot during work. There is a risk of burning your hands.

WEAR PROTECTIVE GLOVES.

When work is done turn the power off by turning the switch to "0" position and unplug from mains.

**EMERGENCY STOP SWITCH**

When the emergency stop switch is pressed, all electrically-powered equipment of the machine is switched off.

Do not use the emergency stop switch to stop the machine, except in emergency.

As long as emergency button is pressed the machine cannot be started. Reset by turning the switch 45° clockwise so it pops out again. The machine then can be restarted

**WARNING!**

There is a risk of crush injuries while lowering to the transport or parking position. Use the lifting handles to avoid trapping your hands and fingers.

**LIFTING AND TRANSPORTATION**

Always transport the machines in upright position. The grinder should also have the handle in upright position. The dust extractor however, must be lowered. Make sure they are anchored securely to surrounding to prevent them from moving. The securing straps or other equipment used for anchoring during transport must be tightened over non-moving parts, e.g. the dust extractor's chassis.

The grinders may only be lifted using the lifting eye on the chassis in accordance with the relevant instructions.

The lifting handles on the motor are intended for lifting the grinding head, when it is separated from the chassis, and then only for short, low lifts, e.g. into the boot of a car. The lifting handles are not to be used for lifting the complete machine.

**VIBRATION**

	Grinding/polishing	Floor preparation
HTC 270	2,43 m/s <sup>2</sup>	9,37 m/s <sup>2</sup>
HTC 270 with Edge	2,43 m/s <sup>2</sup>	9,37 m/s <sup>2</sup>
HTC 450	1,16 m/s <sup>2</sup>	2,35 m/s <sup>2</sup>

**EQUIPMENT CARE**

Never push the equipment beyond its design limits. If it will not do what you want with reasonable ease and speed, assume you have the wrong equipment for the job. Contact Virtus for advice.

Keep the equipment clean - you will find this less of a chore if you clean it regularly, rather than wait until the end of the hire period.

When not in use, store the equipment somewhere in a heated, dry area. Otherwise they may be damaged by condensation and cold.

**FINISHING OFF**

Switch off floor grinder by turning the switch to "0" position and holding it for 1-2 seconds.

Clean

Neatly coil flexes ready for return to Virtus.



# Floor Grinder

Professional grinders for grinding, stripping and cleaning all types of flooring.

**virtusresins**  
epoxy resin suppliers

**... have you been trained**

The law requires that personnel using this type of equipment in the workplace must be competent and qualified to do so.

**...any comments?**

If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide Manager at the address below  
e-mail: [info@epoxyresinsuppliers.co.uk](mailto:info@epoxyresinsuppliers.co.uk)

**VIRTUS RESINS**  
The Shippon, Faenol  
Pentrecelyn  
Ruthin LL15 2SP

**Tel:** 01978 790 744  
**Email:** [info@epoxyresinsuppliers.co.uk](mailto:info@epoxyresinsuppliers.co.uk)  
**www.epoxyresinsuppliers.co.uk**  
**www.floorsurfacepreparation.co.uk**

## GENERAL SAFETY

For advice on the safety and suitability of this equipment contact Virtus.


There is a serious risk of personal injury if you do not follow all instructions laid down in this guide.

The hirer has a responsibility to ensure that all necessary risk assessments have been completed prior to the use of this equipment.


This equipment should only be used by an operator who has been deemed competent to do so by his/her employer.


This equipment should be used by a competent adult who has read and understood these instructions. Anyone with either a temporary or permanent disability, should seek expert advice before using it.

Keep children, animals and bystanders away from the work area. Cordon off a NO GO area using cones and either barriers or tape, available for hire from HSS Hire.

 Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

 Wear practical, protective clothing, gloves and footwear. Avoid loose garments and jewellery that could catch in moving parts, tie back long hair.

 Safety goggles MUST be worn by everyone in the work area.

 This equipment generates potentially harmful noise levels. To comply with health and safety at work regulations, ear defenders must be worn by everyone in the vicinity.

 Some materials contain substances which, when inhaled, can be harmful to health. A suitable mask must be worn when using this equipment. Respiratory protective equipment is available for hire, contact HSS Hire for details.

Ensure the work area is well lit and ventilated, if in doubt, ask about lighting and ventilation equipment at HSS Hire.

Do not work near flammable gases or liquids, petrol or paint thinner fumes for example. Keep combustible materials at a safe distance – at least 5m.

Do not use the tool in rain or snow and do not use it in damp or wet areas or where there is a risk of fire or explosion.

Also water entering a power tool will increase the risk of electric shock.

Make sure you know how to switch the machines OFF before you switch them on in case you get into difficulty.

Do not clean the machines using a high-pressure washer. Otherwise moisture may penetrate electrical elements and damage the machines' drive system.

Do not rinse off the dust extractor, as moisture can penetrate to the electrical parts and damage the motors as well as causing an electrical shock.

Never use the dust extractor in connection with wet grinding or to suck up moisture and water, since this can cause blockages in the dust extractor's suction hose as well as damage to the main filter, HEPA filter and motors.

Do not use the emergency stop switch to stop the machine, except in emergencies.

## ELECTRICAL SAFETY


The floor grinders and dust extractors require a 110V 32amp supply obtained from a generator or the mains via a suitable transformer. Never connect these equipments directly to the 230V mains electricity supply.

If any of the equipment fails, or if its power supply cable or plug becomes damaged, return it. Never try to repair it yourself.

Keep cables out of harm's way, and clear of the work area. Extension leads should be fully unwound and loosely coiled, away from the equipment. Never run them through water, over sharp edges or where they could trip someone.

Always remove the plug from the power socket before undertaking any type of intervention on the HSS power tools or if it is left unattended or within children or people's reach not quite conscious of their own actions. Before removing the plug, switch off the machine.

Always ensure that the machine's connection cable is hanging freely without any tensile loading. Otherwise, the cable, coupling socket and plug may be damaged, which can cause both physical damage and personal injury.

 To reduce the risk of electric shock, always use a suitable RCD (Residual Current-Operated Device)

Always when unplugging pull the plug, not the supply cord. Ensure the machine and power socket are switched OFF before plugging into the power supply.

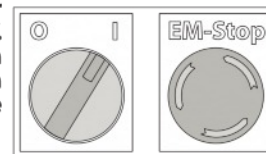
## GETTING STARTED

The Floor Grinders are designed to grind, strip and clean all types of floors. The area of application for the machine depends on the choice of tool.

Never use the machines until you have fully read and understood this User Guide and the machines have been properly set up using the information it contains.

### CONTROLS

In order to start the grinder turn the I/O switch to "I". Hold the knob in "I" position for 1-2 seconds. To switch the grinder off just turn the switch to "O" position.



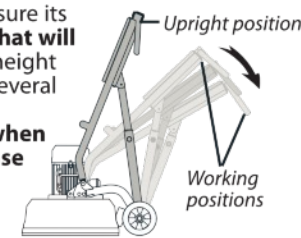
The grinder is equipped with emergency stop, that should only be used in emergency situations. Never use it to end the work.

### PREPARE MACHINES FOR WORK

### Grinder

Before using grinder make sure its handle is in the position that will suit your needs. Working height can be adjusted to one of several positions.

Upright position is used when tipping the machine to ease access to the underside of the grinding head, e.g. when changing tools.



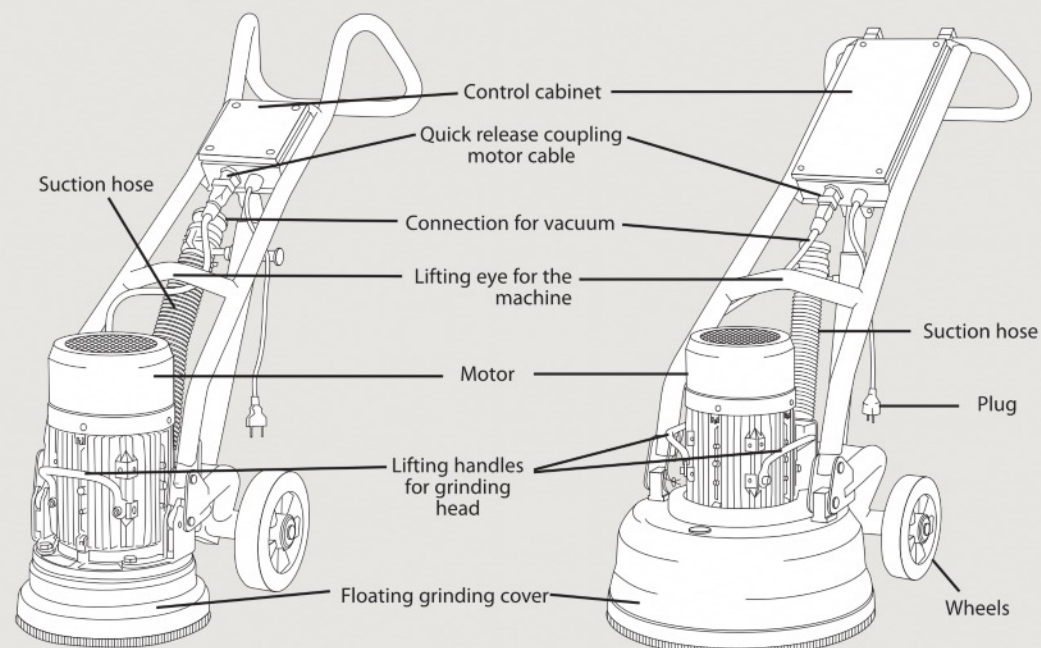
### WARNING!

There is a risk that the machine could fall back and cause personal injury

Always ensure that the machine's handle is in upright position when the machine is tipped to enable access beneath the grinding head.

## IDENTIFIER

### FLOOR GRINDER



# Floor Grinder

Professional grinders for grinding, stripping and cleaning all types of flooring.

 **virtusresins**  
epoxy resin suppliers