

# INSTRUCTION MANUAL

**ORIGINAL INSTRUCTIONS  
FOR YOUR PERSONAL SAFETY,  
READ AND UNDERSTAND BEFORE USING.  
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.**



**CECB**

## LSBM 127

**Warning:**

**Only tools equipped with over load protection, when motor has been cut off due to over load, always switch on machine with no load for at least 3 minutes to reduce temperature before switch on again to avoid burn out to the motor.**

**EC-Declaration of Conformity**

We,

**Jepson Power GmbH**  
Ernst-Abbe-Str. 5  
52249 Eschweiler  
Germany

As the manufacturer declare herewith under our responsibility that our products:

Machine description: (Function) Hole Drilling Cutting Machine

Type/Serial number: HCM127  
110-120V, 220-240V, 50-60Hz, 110W

Year: 2019

Complies with the following standards, directives and referenced standard documents:

2006/42/EG Machinery Directive  
2006/95/EC Low Voltage Directive  
2004/108/EC EMC Directive

EN 61029-1:2009+A11:2010  
EN 62233:2008  
EN 55014-2:1997+A1:2001  
IEC 61000-4-2:2008  
IEC 61000-4-3:2008  
IEC 61000-4-4:2004  
IEC 61000-4-5:2005  
IEC 61000-4-6:2008  
IEC 61000-4-8:2009  
IEC 61000-4-11:2004  
EN 55014-1:2000+A1:2001+A2:2002  
EN 61000-3-2:2006+A2:2009  
EN 61000-3-3:2008

Pierre Michiels, Jepson Power GmbH, Ernst-Abbe-Str. 5, 52249 Eschweiler, Germany

(Name and address of the person, which is authorized to compile the relevant technical documentation)

## Identification of the signatory

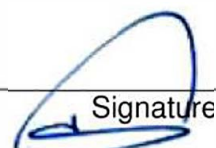
Name: Michiels

Surname: Pierre

Position: CEO

Germany Eschweiler,  
6.01.2019

Place + Date

  
Signature

|                             |  |
|-----------------------------|--|
| Power input                 | 1100W                                      |
| Voltage                     | See machine nameplate                      |
| No load min <sup>-1</sup>   | 130  |
| Max. Cutting Capacity       | Φ127mm                                     |
| Pipe Mounting Capacity      | Φ32-203 mm                                 |
| Drill Chuck Capacity        | 1mm-16 mm                                  |
| Over load protection        | With                                       |
| Soft Start                  | Without                                    |
| Overall Dimensions ( LxWxH) | 319 mm x 270 mm x 302 mm                   |
| Net Weight                  | 14.5kg ( 31.9Lbs ) not include side Handle |



Good balance for Carrying



On/off switch



Quickly mounts chain system

The quick adjustable tool-free lever

## User Instructions

### Notes for the customer

The instruction manual includes important instructions as to how to operate the plant safely, correctly and economically. Observing these instructions helps to avoid risks, repair costs and downtimes and to increase the reliability and lifetime of the machine.

The instruction manual must be read and used by each person who works with the electrical equipment. This applies in particular to the "Safety Instructions" chapter. It is too late to read the manual and safety instructions when work is actually being carried out at the machine.

Always keep one copy of this manual next to the machine so that it is at hand ready to be consulted!

In case of any doubt or questions, always contact the machine manufacturer.

In addition to the instruction manual, the accident prevention regulations which apply in the country of use and the user location must be adhered to. In addition, the recognised technical rules regarding accident prevention must be observed.

### Liability and warranty

All the information contained in this instruction manual has been drawn up to the best of our knowledge and belief, taking our experience to date into consideration.

The original version of this instruction manual was drawn up in the German language and was checked by us for accuracy of content. The translation into the respective national/contractual language was carried out by a recognised translation agency.

This instruction manual has been put together with the greatest of care. However, if you should discover any incomplete items or mistakes, please inform us in writing. Your suggestions for improvement will help us to create a user-friendly manual.

### Subsequent Orders and Copyright

Further copies of this instruction manual can be ordered from the address below. We ask for your understanding that further copies are subject to charge.

Jepson Elektrowerkzeuge

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### Abbreviations

|      |                            |
|------|----------------------------|
| V    | Volt                       |
| Hz   | Hertz                      |
| W    | Watt                       |
| ~    | AC                         |
| /min | Revolutions per minute rpm |
| N    | Newton                     |

## Safety Instructions

The basic prerequisite for safe handling and disturbance-free operation of this electric tool is knowledge of the basic safety instructions. In addition, the accident prevention rules and regulations which apply in the user location must be adhered to, as well as the

recognised rules of the trade with regard to safety and correct working methods.

It is not permitted to use the electric tool for other purposes than those intended by the manufacturer. Such use could give rise to unforeseeable risks.

Local working and safety rules and laws must always be followed. The same applies to regulations which apply to the environment.

Safety equipment must never be removed or bridged over.

When using oils, greases and other chemical substances, the safety regulations which apply to the particular product must always be observed! Contact with chemicals should be avoided as far as possible. Before it is permissible to work with these substances the instructions for use on the packaging must be read and followed. This applies for all chemicals, therefore also for cleaning media.

All notes and signs regarding safety and possible risks must be kept in a fully legible condition.

## Illustration of Safety Instructions

The following symbols are used in the instruction manual:

**Warning against possible danger of injury or danger to life for persons**



Warning

**Warning against possible damage to property or the environment**



Caution

**Warning against dangerous electrical voltage**



**Warning against hot surfaces**



**Ignoring these instructions can lead to serious damage to health, up to life-threatening injuries!**

**This symbol indicates important information**



**Hazardous to the environment**



## General Safety Instructions

**This electric tool fulfils the basic EC safety and health regulations. Nevertheless, dangerous situations can arise.**



Warning

All safety equipment must be maintained in perfect condition.



Warning

Always pay attention to moving parts. These can cause injury because of their movement or by sudden movement.



Warning

Only use the electric tool when it is in perfect condition from the technical point of view, and only use it for intended purpose while being aware of safety issues and risks, and paying attention to the instruction manual! In particular, have any disturbances which could have a negative effect on safety corrected immediately!



**WARNING!** It is essential to read all the instructions. Mistakes which are made while attempting to follow the below instructions can cause electric shock, fire and/or serious injury. The following term "Electric tool", refers to mains-powered electric tools (with mains cable) and battery-powered electric tools (without mains cable).



Warning

Caution

KEEP THESE INSTRUCTIONS IN A SAFE PLACE.



## Work Area Safety

Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.

Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquid, gases, or dust. Power tools create sparks, which may ignite the dust or fumes.

Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

## Electrical Safety



Warning

Caution

Earthed tools must be plugged into an outlet properly installed and earthed in accordance with all codes and ordinances. Never remove the earthing prong or modify the plug in any way. Do not use any adaptor plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly earthed. If the tools should electrically malfunction or break down, earthing provides a low resistance path to carry electricity away from the user.

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.

Don't expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

Don't abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged or entangled cords increase the risk of electric shock.

When operating a power tool outside, only use authorized cords for out door work. These cords are rated for outdoor use and reduce the risk of electric shock.

## Personal Safety

Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.

Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hardhat, or hearing protection used for appropriate conditions will reduce personal injuries.



Avoid accidental starting. Be sure switch is off before plugging in. Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents..



Warning

Caution

Remove any adjusting key or wrenches before turning the tool on. A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.

Do not overreach. Keep a proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.

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.

## Tool use and care

Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.

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

Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.

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

Maintain tools with care. Keep cutting tools sharp and clean. Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.

Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using. Poorly maintained tools cause many accidents.

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

Use clamps or other practical way to secure and support the work piece to a stable platform. Holding the work by hand r against your body is unstable and may lead to loss of control.

Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may become hazardous when used on another tool.



Warning

Caution

### Service

Only qualified repair personnel must perform tool service. Service or maintenance performed by unqualified personnel could result in a risk of injury.

When servicing tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

### Specific Safety Rules



Warning

Caution

**Take care to avoid the magnet releasing.** Ensure that the magnet has properly adhered to the work piece before beginning drilling.

**Metal swarf and other debris will dangerously lower magnets adhesion force.** Always ensure that the magnet is clean and free of rust or other foreign matter.

**Employ safety chain at all times.** Magnet can release unexpectedly at any time- especially due to power failure.

**Power supply socket must be kept easily accessible.** In an emergency you may need to quickly unplug the machine.

**Never exceed an angle of 90 degrees.** Overhead (upside down) drilling is very dangerous and should never be attempted.

**The magnets adhesion depends on the thickness of the work piece. Always ensure that the work piece is a minimum of 12mm (7/16 in.) thick.** If not, then a minimum 10mm thick piece of iron or steel must be placed under the workpiece to ensure adequate adhesion.

**Other electric machines used on the same receptacle will cause uneven voltage, which could lead to the magnet releasing.** Always use this machine alone on the receptacle.

**Avoid operating annular cutters without coolant fluid. Always check coolant level before operating.**

**Do not operate with blunt or damaged cutting tools.** This will easily overload the motor.

**Protect the motor.** Never allow cutting fluid, water, or other foreign contaminants enter the motor.

**Metal swarf are often very sharp and hot. Never touch them with bare hands.** Clean up with a magnetic swarf collector and a chip hook or other appropriate tool.

**CAUTION: NEVER position machine on a workpiece between the electrode and the earth an arc type welder. Damage to the machine will result, as the welder will earth through the machines earthing cable.**



Warning

Caution

**WARNING: NEVER attempt to use machine with incorrect current or abnormally low voltage. Check machine nameplate to ensure that correct voltage and Hz are used.**

**Extension cable should be selected after ensuring the diameter is sufficient for the length. Follow the chart below:**

Max length:

10m (32 ft.) 1.25 square mm (16 ga.)

15m (50 ft.) 2.0 square mm (14 ga.)

30m (100 ft.) 3.50 square mm (12 ga.)

(Over 30m NOT RECOMMENDED)

**Never touch the rotating cutter or swarf with your bare hands, body, gloves, hair or clothing.**

**When replacing cutters never touch the sharp cutting surfaces with bare hands**

**Use a pilot pin, which matches the cutter. A mismatched cutter and pilot pin will cause a dangerous situation.**

**Non-ferrous metals and other materials may not be used, since the magnet will not be able to adhere to it magnetically.**

**Do not use excessive feed pressure when drilling.**

### Symbols on the Electric Tool

Warning against dangerous electrical voltage



Warning against high surface temperature



## HOLE CUTTING MACHINE INSPECTION

Inspect your hole cutting machine periodically to prevent malfunction and potential accident from happening.

1. Check for functionality of the switch, do not operate a tool that can not be controlled by switch.
2. Inspect the power cord, ground prong, and plug carefully for any damage. Always make sure the cord is intact before performing any operation, fail to comply might leads to electric shock!
3. Clean scrap, grease or dirt after every use. This helps to prolong the durability of the tool and reduce the risk of injury.
4. Check cutting edges before every use, and replace when cutting edges worn out. Dull or damaged cutting edges not only could leads to tool breakage, excessive buildup to the work piece, or even lead to injury.
5. Only use accessories recommended for the tool. Accessories from other tools might be hazardous or even cause serious injury while operating!

## INSTRUCTION TO SET UP HOLE CUTTING TOOL

Unplug the power plug from mains and make sure the switch is OFF before setting up the machine.

Always make sure the working pipe is de-pressurized before performing any operation!

Do not lift hole cutting machine above your shoulder, serious injury or damage to the machine might be result from loss of balance.

1. Place hole cutting machine on the ground or on flat surfae. Select desired hole saw and fasten to the arbor before mounting the machine to the working pipe.
2. Place machine on top of the working pipe. After determined desire location for hole cutting, ensure the chain assembly hold the pipe as tight as possible, and allow the chain to fall into the notch on the other side of the body casting.
3. Use the swivel lever to fasten the machine as tight as possible to the working pipe.

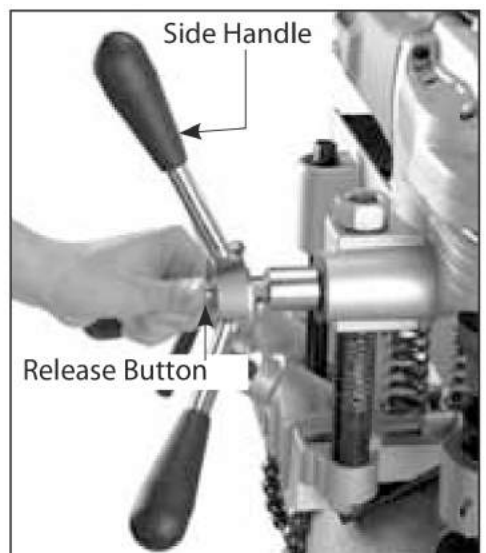


## SWITCHING ON AND OFF THE HOLE CUTTING MACHINE

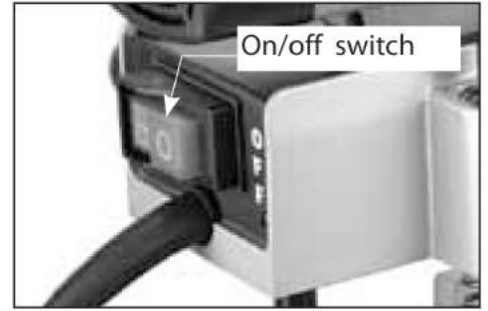
**Warning! Check for functionality of the switch, do not operate a tool that can not be controlled by switch.**

Make sure the hole cutting machine is properly fasten to the working pipe.

Adjust the side handle to either left or right hand side according to



user's need. If it is required to mount the crank lever on the opposite side or to change its position, push the Release Button in the center of the Crank Hub and remove. Press the Button and mount on the opposite side or in the desired position.  
Start hole cutting by pushing green button ON.



**STEEL SCRAP WILL BECOME HOT AFTER HOLE CUTTING PROCESS, DO NOT TOUCH THE STEEL SCRAP IMMEDIATELY AFTER CUTTING!**

After finished hole cutting, push red button OFF to stop the hole cutting machine.

**CAUTION: Unplug the power plug from mains and make sure the switch is OFF before pushing out the steel scrap .**

Push out steel scrap by using flat-head screwdriver or other proper and safe tool.

## BUBBLE LEVEL

A bubble level is equipped in the rear base of the hole cutting machine. The bubble level is designed to ensure the aligning of serial hole cuttings. Using the bubble level for horizontal or vertical drilling , adjust the working pipe or cutting machine to achieve a good level positioning, then fully tighten the swivel lever to fasten the machine as tight as possible to the working pipe.



## OPERATION

**MAKE SURE FULLY UNDERSTANDING OF THE INSTRUCTION MANUAL BEFORE OPERATING THE MACHINE.**

**WEAR GOGGLES TO PREVENT STEEL SCRAP SHOOTING INTO EYES OR CAUSING OTHER INJURY. ALWAYS DRESS PROPERLY AND WEAR PROTECTIONS BEFORE PERFORMING THE OPERATION.**

**Warning!! Always make sure the pipe is de-pressurized before performing any operation!**

1. After switching on the machine, applying pressure to the hole saw slowly rotating the handle downward.
2. Do not overfeed the hole saw. Allow the hole saw to decide the speed of cutting, experienced operator should be able to cut through without applying excessive pressure to the hole saw.

**DO NOT TOUCH THE SCRAP OR HOLE SAW IMMEDIATELY AFTER CUTTING, THE SCRAP AND HOLE BLADE WILL BECOME HOT DURING CUTTING AND MIGHT LEAD TO SERIOUS INJURY!**

3. After hole saw cut through the pipe, rotate the handle reversely or allow the spring to push the hole saw to original position.



**SWITCH OFF THE MACHINE IMMEDIATELY AFTER USE TO PREVENT ACCIDENT OR OPERATE BY UNTRAINED PERSONNEL!**

## MAINTENANCE

Every 50 hours of operation blow compressed air through the motor while running at no load to clean out accumulated dust. (If operating in especially dusty conditions, perform this operation more often.)

Clean scrap after every use and make sure frictional metal parts are well lubricated to prevent rusty!

## THE ARBOR SHAFT

Keep the arbor shaft free of dirt and lightly grease as needed. If the mechanism noisy, it may be dirty or have a chip lodged in it. Clean and re-grease as needed.

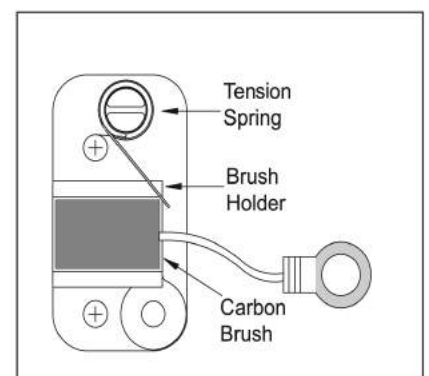
## THE CARBON BRUSHES

The carbon brushes are a normal wearing part and must be replaced when they reach their wear limit.

**Caution: Always replace the brushes as a pair.**

### To replace:

1. Remove the 4 screws and remove the motor tail cover.
2. Using pliers rotate the brush spring out of the way and slide the old carbon brush out of the brush holder.
3. Unscrew the screw to remove the brush lead. The old carbon brush may now be lifted away.
4. Install a new brush. Installation is the reverse of removal.
5. Replace the motor tail cover.



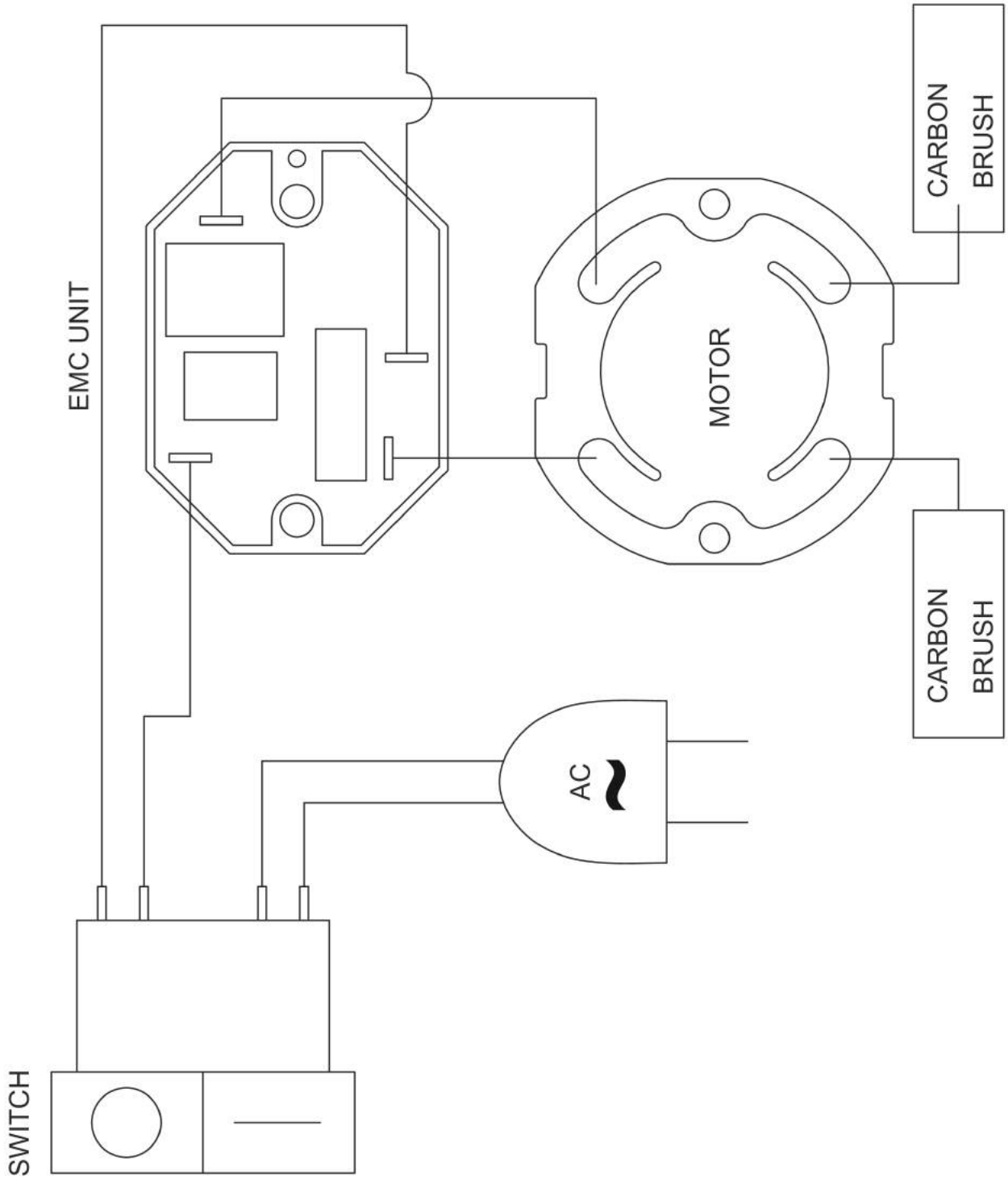
## CARBON BRUSHES

Due to the brush design, if the machine comes to a stop without any reason, the brushes have to be checked. The brush design stops the machine before the carbon brushes are finished and protects the motor.

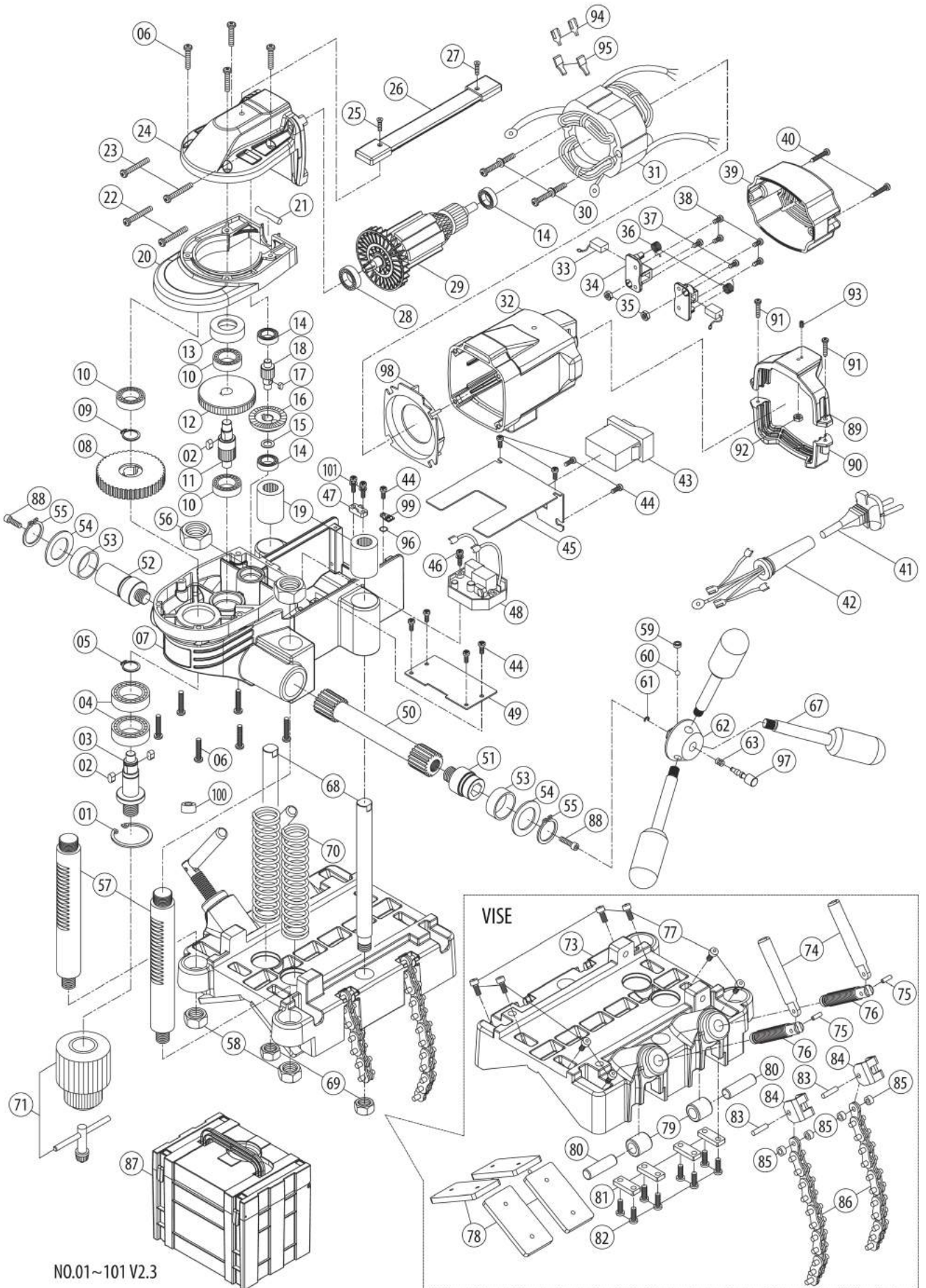
**If the replacement of the power supply cord is necessary, this has to be done by the manufacturer or their agent in order to avoid a safety hazard.**

**WARNING: All repairs must be entrusted to an authorized service center.** Incorrectly performed repairs could lead to injury or death.

# WIRING



# Exploded View



NO.01~101 V2.3

## Parts list

| NO. | Parts Name                         | Q'TY | NO.   | Parts Name                            | Q'TY |
|-----|------------------------------------|------|-------|---------------------------------------|------|
| 1   | INTERNAL CIRCLIP R-40              | 1    | 50    | CRANK SPINDLE                         | 1    |
| 2   | PARALLEL KEY 5 x 5 x 10            | 3    | 51    | CRANK SPINDLE CASING(L) M14 x P2.0    | 1    |
| 3   | SPINDLE 5/8"-16                    | 1    | 52    | CRANK SPINDLE CASING(S) M14 x P2.0    | 1    |
| 4   | BEARING 6203-2NSE                  | 2    | 53    | CRANK BUSHING Ø28 x Ø32 x 12          | 2    |
| 5   | EXTERNAL CIRCLIP S-17              | 1    | 54    | THRUST WASHER Ø25.5 x Ø40 x 2         | 2    |
| 6   | SCREW M5 x 25                      | 10   | 55    | EXTERNAL CIRCLIP S-25                 | 2    |
| 7   | GEAR CASE                          | 1    | 56    | NUT M20 x P1.5                        | 2    |
| 8   | OUTPUT GEAR M1.5 x 44T             | 1    | 57    | COLUMN                                | 2    |
| 9   | EXTERNAL CIRCLIP S-15              | 1    | 58    | NUT M14 x P2.0                        | 2    |
| 10  | BEARING 6200 zz                    | 3    | 59    | BALL SEAT                             | 1    |
| 11  | INTERMEDIATE GEAR PINION M1.5 x 9T | 1    | 60    | CHECK BALL Ø5                         | 1    |
| 12  | INTERMEDIATE GEAR M1.25 x 47T      | 1    | 61    | E-CLIP E-3                            | 1    |
| 13  | BUSHING Ø30 x Ø36 x 11             | 1    | 62    | CRANK HUB                             | 1    |
| 14  | BALL BEARING 608 zz                | 3    | 63    | SPRING Ø0.6 x Ø4.1 x Ø5.3 x 4T x 8.5L | 1    |
| 15  | THRUST WASHER Ø10.1 x Ø14 x 1      | 1    | 64~66 | N/A                                   | -    |
| 16  | BEVEL GEAR M1.0 x 46T              | 1    | 67    | GRIP                                  | 3    |
| 17  | PARALLEL KEY 4 x 4 x 7             | 1    | 68    | TELESCOPIC ROD                        | 2    |
| 18  | INPUT PINION M1.25 x 9T            | 1    | 69    | NUT M12 x P1.75 x 7mm                 | 2    |
| 19  | LINEAR BEARING Ø16 x Ø28 x 37      | 2    | 70    | SPRING Ø3 x Ø23 x Ø29 x 16T x 160L    | 2    |
| 20  | GEAR CASE                          | 1    | 71    | CHUCK 5/8"-16                         | 1    |
| 21  | SEAL 5cm                           | 1    | 72    | N/A                                   | -    |
| 22  | SCREW M5 x 25                      | 2    | 73    | BODY CASTING                          | 1    |
| 23  | SCREW M5 x 30                      | 2    | 74    | SWIVEL LEVER                          | 2    |
| 24  | GEAR COVER                         | 1    | 75    | SPRING PIN                            | 2    |
| 25  | FLAT HEAD SCREW M5 x 10            | 1    | 76    | WISE SCREW                            | 2    |
| 26  | STRAP                              | 1    | 77    | SCREW M5 x 12                         | 8    |
| 27  | FLAT HEAD SCREW M5 x 20            | 1    | 78    | TABLE PLATE                           | 4    |
| 28  | BEARING 6001-LLU                   | 1    | 79    | DRIVE GUIDE ROLLER Ø12 x Ø20 x 20     | 2    |
| 29  | ARMATURE M1.0 x 6T                 | 1    | 80    | ROLLER AXLE Ø12 x 40                  | 2    |
| 30  | SCREW M5 x 60                      | 2    | 81    | ROLLER PLATE                          | 4    |
| 31  | STATOR                             | 1    | 82    | SCREW M5 x 16                         | 8    |
| 32  | MOTOR HOUSING                      | 1    | 83    | SPRING PIN Ø5 x 20                    | 2    |
| 33  | CARBON BRUSH 7 x 11 x 17           | 2    | 84    | CHAIN SHACKLE BRACKET                 | 2    |
| 34  | BRUSH HOLDER                       | 2    | 85    | SPACER Ø5.1 x Ø9 x 4.8                | 4    |
| 35  | NUT M4 x 8                         | 2    | 86    | CHAIN                                 | 2    |
| 36  | BRUSH SPRING                       | 2    | 87    | CARRY CASE                            | 1    |
| 37  | SCREW M4 x 10                      | 2    | 88    | SOCKET CAP SCREW M5 x 16              | 2    |
| 38  | SCREW M4 x 12                      | 4    | 89    | BRACKET-TOP                           | 1    |
| 39  | MOTOR TAIL COVER                   | 1    | 90    | BRACKET-BOTTOM                        | 1    |
| 40  | SCREW M4 x 25                      | 2    | 91    | SCREW M4 x 16                         | 2    |
| 41  | POWER SUPPLY CABLE                 | 1    | 92    | NUT M5                                | 1    |
| 42  | CORD ARMOR                         | 1    | 93    | SCREW M4 x 8                          | 1    |
| 43  | MOTOR SWITCH 110V                  | 1    | 94    | SPADE TERMINAL                        | 2    |
| 43  | MOTOR SWITCH 220V                  | 1    | 95    | TERMINAL COVER                        | 2    |
| 44  | SCREW M4 x 8                       | 9    | 96    | STAR WASHER M5                        | 1    |
| 45  | SWITCH BRACKET                     | 1    | 97    | PLUNGER                               | 1    |
| 46  | SCREW M4 x 16                      | 1    | 98    | FAN SHROUD                            | 1    |
| 47  | CABLE CLIP                         | 1    | 99    | EARTHING MARKING                      | 1    |
| 48  | OVERLOAD UNIT 110V                 | 1    | 100   | BULL'S EYE LEVEL                      | 1    |
| 48  | OVERLOAD UNIT 220V                 | 1    | 101   | SCREW                                 | 2    |
| 49  | MOUNTING PLATE                     | 1    |       |                                       |      |

