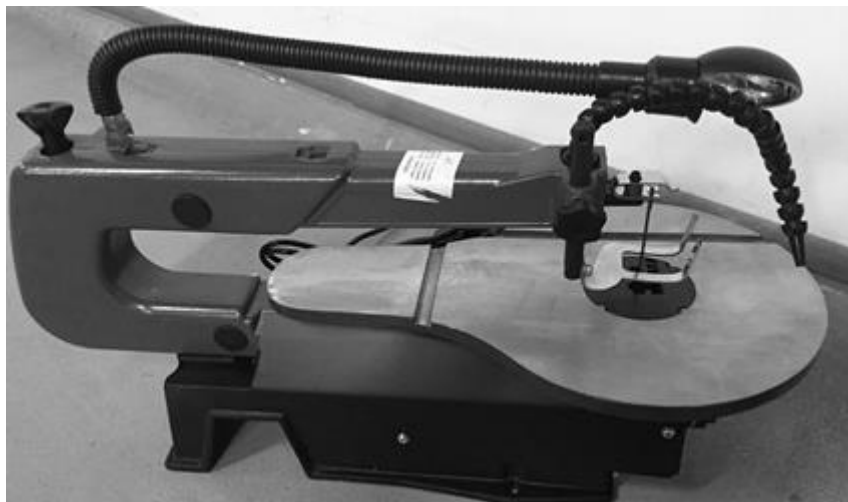


ORIGINAL INSTRUCTIONS



## SCROLL SAW

F405SC3F



**READ THE INSTRUCTIONS BEFORE USE THE TOOL**

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## 1. SAFETY WARNINGS

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**WARNING!** When using electric tools basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury.

Read all these instructions before attempting to operate this product and save these instructions.

1. **Keep work area clear**
  - Cluttered areas and benches invite injuries.
2. **Consider work area environment**
  - Do not expose tools to rain.
  - Do not use tools in damp or wet locations.
  - Keep work area well lit.
  - Do not use tools in the presence of flammable liquids or gases.
3. **Guard against electric shock**
  - Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).
4. **Keep other persons away**
  - Do not let persons, especially children, not involved in the work touch the tool or the extension cord and keep them away from the work area.
5. **Store idle tools**
  - When not in use, tools should be stored in a dry locked-up place, out of reach of children.
6. **Do not force the tool**
  - It will do the job better and safer at the rate for which it was intended.
7. **Use the right tool**
  - Do not force small tools to do the job of a heavy duty tool.
  - Do not use tools for purposes not intended; for example do not use circular saws to cut tree limbs or logs.
8. **Dress properly**
  - Do not wear loose clothing or jewellery; they can be caught in moving parts.
  - Non-skid footwear is recommended when working outdoors.
  - Wear protective hair covering to contain long hair.
9. **Use protective equipment**
  - Use safety glasses.
  - Use face or dust mask if working operations create dust.
10. **Connect dust extraction equipment**
  - If the tool is provided for the connection of dust extraction and collecting equipment, ensure these are connected and properly used.
11. **Do not abuse the cord**
  - Never yank the cord to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges.
12. **Secure work**
  - Where possible use clamps or a vice to hold the work. It is safer than using your hand.
13. **Do not overreach**
  - Keep proper footing and balance at all times.
14. **Maintain tools with care**
  - Keep cutting tools sharp and clean for better and safer performance.
  - Follow instruction for lubricating and changing accessories.
  - Inspect tool cords periodically and if damaged have them repaired by an authorized service facility.
  - Inspect extension cords periodically and replace if damaged.
  - Keep handles dry, clean and free from oil and grease.
15. **Disconnect tools**
  - When not in use, before servicing and when changing accessories such as blades, bits and cutters, disconnect tools from the power supply.
16. **Remove adjusting keys and wrenches**
  - Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.

**17. Avoid unintentional starting**

- Ensure switch is in "off" position when plugging in.

**18. Use outdoor extension leads**

- When the tool is used outdoors, use only extension cords intended for outdoor use and so marked.

**19. Stay alert**

- Watch what you are doing, use common sense and do not operate the tool when you are tired.

**20. Check damaged parts**

- Before further use of tool, it should be carefully checked to determine that it will operate properly and perform its intended function.
- Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation.
- A guard or other part that is damaged should be properly repaired or replaced by an authorized service centre unless otherwise indicated in this instruction manual.
- Have defective switches replaced by an authorized service centre.
- Do not use the tool if the switch does not turn it on and off.

**21. Warning**

- The use of any accessory or attachment other than one recommended in this instruction manual may present a risk of personal injury.

**22. Have your tool repaired by a qualified person**

- This electric tool complies with the relevant safety rules. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user

**ADDITIONAL SAFETY RULES FOR SCROLL SAWS**

- This scroll saw is intended for use in dry conditions, and for indoor use only.
- Do not cut pieces of material too small to hold by hand outside the blade guard.
- Avoid awkward hand positions where a sudden slip could cause a hand to move into the blade.
- Always use the blade guard to avoid possible injury due to blade breakage.
- Never leave the scroll saw work area with the power (01), or before the machine has come to a complete stop.
- Do not perform layout, assembly or set up work on the table while the cutting tool is in operation.
- Never turn your scroll saw on before clearing the table of all objects: (tools, scraps of wood, etc.) except for the workpiece and related feed or support devices for the operation planned.
- Wear safety goggles and a noise-canceling helmet#
- Adjust the protection before use.
- Use sharp blades that are suitable for the machine.
- Do not use the saw to cut too small parts, as this may cause injury.
- Never cut wood pieces larger than 52X405mm.
- Make sure that the part to be cut has no obstacles (nails, screws, staples ...) that can be dangerous for the user and break the blades.
- The blades must be securely fastened before starting.
- Do not remove the chips from the table or extraction system with your fingers.
- Handle the blades with care, they are sharp and can cause injury.
- Place yourself facing the entrance table when working.
- Never leave the machine running unattended
- For any work on the machine, make sure that the machine is switched off and disconnected.
- Do not use the machine without the protective cover.
- Careful attention to harmful and toxic dusts can be produced when sanding certain materials (e.g. sanding paints containing lead) / Check grinding wheels before use, do not

use chipped, cracked or otherwise damaged wheels. The grinding wheel continues to rotate after the tool is stopped.

- Use of mini-drill:
  - o Hearing protection must be applied when using the drill.
  
- Use of mini-grinder
  - o Make sure that the dimensions of the grinding wheel are compatible with the grinder
  - o Check grinding wheel before use, do not use chipped, cracked or otherwise damaged wheels
  - o Ensure that the grinding wheels and grinding wheels are mounted in accordance with the manufacturer's instructions
  - o Ensure that the abrasive tool is properly assembled and tightened before using the tool; Run the tool for 30 seconds in a safe position, stop immediately if there is a high vibration or if other defects are detected. If this is the case, check the tool to determine the cause of the fault
  - o Check that the workpiece is maintained correctly
  - o Ensure that sparks caused by use do not cause no danger, such as not touching people or igniting flammable substances
  - o If it becomes necessary to clean the dust, first disconnect the tool from the mains (do not use metal objects) and avoid damaging internal parts.
  - o Always use safety glasses and hearing protectors. Other personal protections such as dust masks, gloves, helmets and aprons may be used if necessary. If in doubt, put the protective equipment.
  - o Ensure that the ventilation openings are kept clean when the tool is used in dusty conditions.
  - o The grinding wheel continues to rotate after the tool has stopped

### **Remaining hazards**

**The machine has been built using modern technology in accordance with recognized safety rules. Some remaining hazards, however, may still exist.**

Long hair and loose clothing can be hazardous when the work piece is rotating. Wear personal protective gear such as a hair net and tight fitting work clothes.

Saw dust and wood chips can be hazardous. Wear personal protective gear such as safety goggles and a dust mask.

The use of incorrect or damaged mains cables can lead to injuries caused by electricity.

Even when all safety measures are taken, some remaining hazards which are not yet evident may still be present.

Remaining hazards can be minimized by following the instructions in Safety Precautions, Proper Use and in the entire operating manual.

Do not force the machine unnecessarily: excessive cutting pressure may lead to rapid deterioration of the blade and a decrease in performance in terms of finish and cutting precision.

Avoid accidental starts: do not press the start button while inserting the plug into the socket.

**Keep this safety information in a safe place.**

### **Intended use**

Ideal for precision work and creative leisure on wood, cardboard, PVC, aluminum, glass and many other supports.

For complex and straight cuts, drilling, sanding, polishing, engraving, etc.

This variable speed scroll saw makes it possible to make complex cut-out.

Its grooved table offers the possibility of making straight cuts with a guide (function of band saw).

The variable speed drill and its micro tooling kit allows drilling, sanding, polishing, engraving. Be careful not to use the machine beyond the specified maximum capacity and do not work on materials which are likely to cause ignition, explosion or release that is polluting or dangerous for the user or the environment.

Any other use, different from that stated in these instructions, may cause damage to the device and pose a serious danger to the user. This appliance is intended for private and non-industrial use only.

Keep these instructions in a safe place so that you can consult them when necessary.

Only blades of the same size and type are permitted.

If replacement of the power cable is required, this must be done by the manufacturer or its agent to avoid a hazard.

### **Symbols**



Read the instructions



Wear protective glasses



Wear ear protection



Wear head protection.

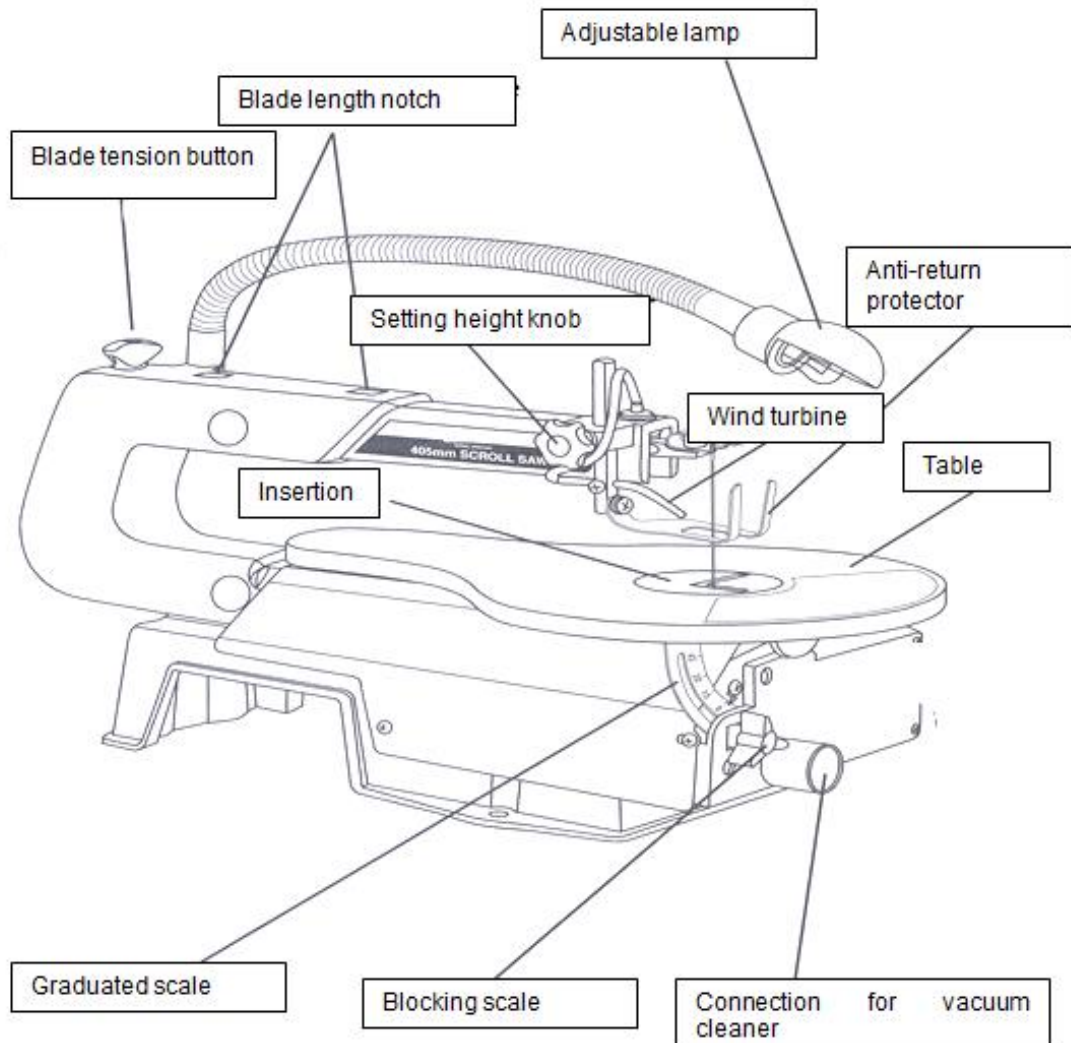


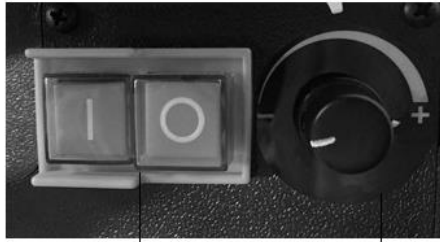
Wear respiratory protection.

## 2. YOUR PRODUCT

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### a. Description



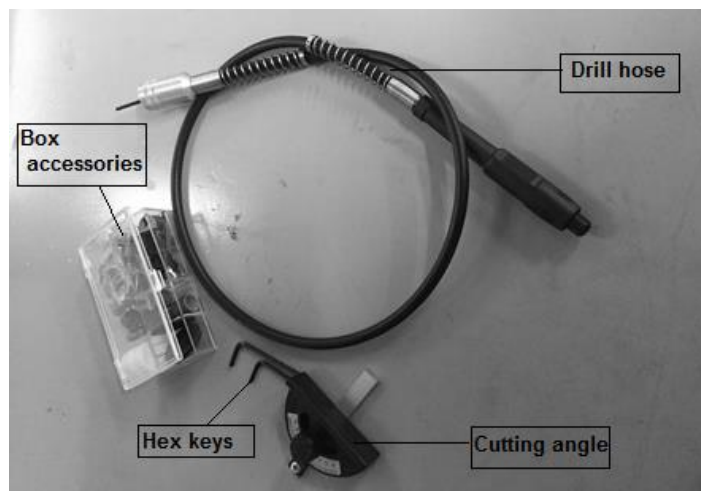


No voltage switch

controller speed



Protective guard



Drill hose

Box accessories

Hex keys

Cutting angle

## b. Technical data

Data	
Tension	230-240V~ 50Hz
Power	S1: 70W S2 30min: 90W S2 5min: 125W
Product class	I
Non load speed (scroll saw)	550-1600 /min
Non load speed (flexible shaft)	1650-4800 /min
Blade	127 mm
Dimensions of the tray	415 x 254 mm
Sound pressure level LpA	Load: 77.3dB(A) No load: 67.2dB(A)
Uncertainty K	3dB(A)
Sound power level LwA	Load: 87.4dB(A) No load: 78.4dB(A)
Uncertainty K	3dB(A)
Vibration	1.17m/s <sup>2</sup>
Uncertainty K	1.5m/s <sup>2</sup>
Weight	16 kg
Capacities	
Cutting height	52 mm
Cutting depth	405 mm
Inclination of the table	0 à 45° D
Capacities of the chuck (2)	3.123 mm / 2.4 mm

### Information:

- The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another;
- The declared vibration total value may also be used in a preliminary assessment of exposure.

### Warning:

- that the vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used; and
- of the need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

Wear hearing protection.



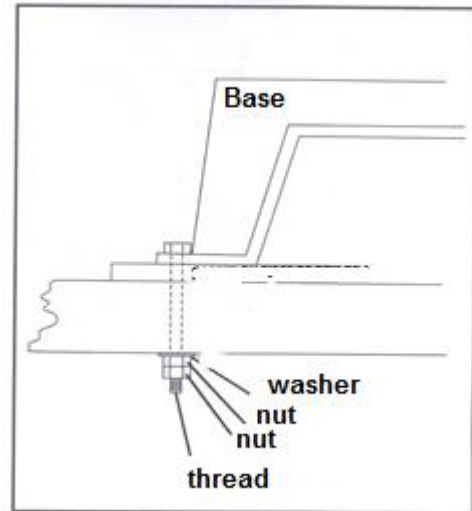
### 3. ASSEMBLY

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**NOTE: The tool must not be plugged to electrical supply when assembly.**

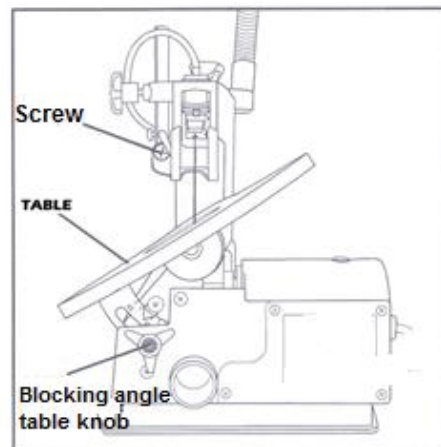
#### a. Fixing of the saw

- The base of the scroll saw must be placed and secured on a solid, level surface in a place that is not accessible to children. Fasten the drum with 3 nuts and bolts through the 3 holes provided for this purpose.
- Each foot must be firmly secured with bolts (not supplied)
- The bolts must be long enough to take into account the thickness of the work surface on which the saw is attached. Use "brake" washers (not supplied) and place the clamping nuts under the worktop.
- The dimensions of the work surface must be sufficient to prevent the overturning of the assembly during work
- **WARNING:** Ensure the stability and robustness of the worktop before any work.



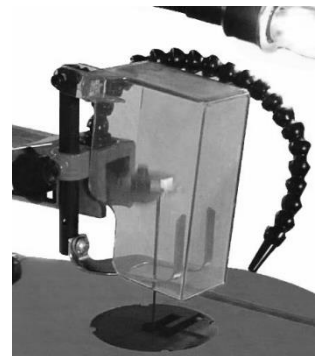
#### b. Setting of the angle table

Loosen the table angle lock knob.  
Select an angle from 0 to 45 ° and tighten the locking knob.



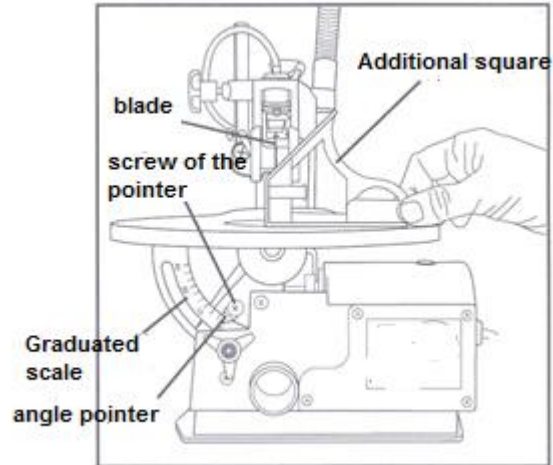
#### c. Installation of the guard

- Insert the guard inside the pulley as shown in the picture on the right.
- Align the protector correctly in front of the hole in the pulley to insert the nut.
- Once the nut is inserted, tighten using the washer and the screw.
- Screw firmly.
- Check for proper sliding up / down of the guard



d. **Aligning the angle pointer**

Loosen the table and the pointer and adjust with a square (not supplied) until a perfect angle is obtained with the blade and table. Then tighten the table and the pointer screw.



e. **Installing/replacing and adjusting the blade**

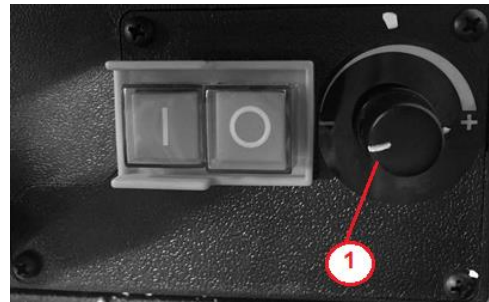
- Turn the tension knob counter clockwise to release the saw blade.
- Unscrew the left cover.
- Press lightly on the protective support to remove the blade out of the top blade holder. Then take the blade out of the bottom blade holder. Pull the blade up and out through the table.
- Insert the new blade, the teeth must be downwards so as not to cause a clattering on the table and in front of the workpiece.
- Use the Allen key to clamp-fit the saw blade in the holder.
- Finally, perform the reverse routing to tighten the screws

Handle the blades thoroughly to avoid any risk of accidents.

f. **Using the speed adjustment button**

To vary the speed, turn the speed controller knob (1). To increase the speed, turn the knob to the right, to decrease the speed turn the knob to the left.

Tips: For straight cuts, use a fast speed, for the winding cuts adjust a slower speed.



g. **Installation of the mini drill hose**

- To install the mini-drill hose (1 meter), align the hose with the mini-drill coupling located on the right side of the machine.
- Once aligned, tighten firmly.



h. **Installation of a new accessory**

With the flexible shaft lock pressed down, tighten the compression nut. Release the flexible shaft spindle lock by sliding it towards the accessory.

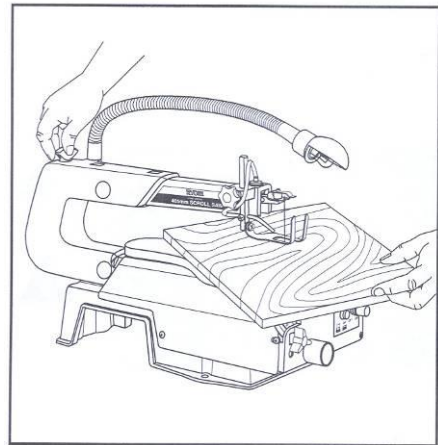
## 4. UTILISATION

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### a. Inserting the workpiece

- Adjust the protection and the slide according to the size of the workpiece.
- Tighten the screws and fasteners.
- Push the guard up to the cutting slide.
- Any unused blade must be protected!
- Switch the machine on firmly.
- Place the workpiece on the entry table.
- Progress the workpiece progressively with the cutting line facing the cutting edge of the blade.

Caution, moving the workpiece too fast generates burrs or breakage of the blades.  
You can also make interior cuts without having to cut your piece from an edge.



### b. Starting

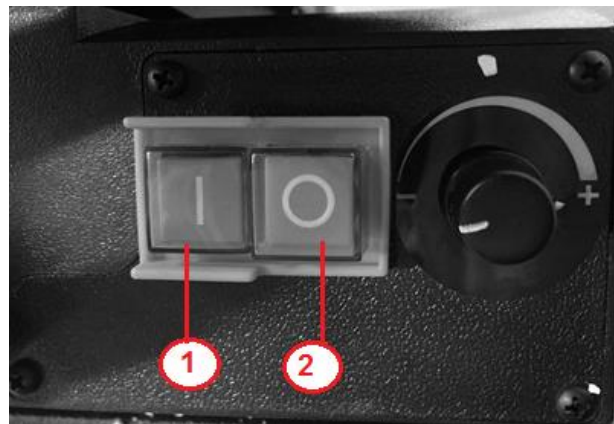
After adjustments and checks, start the machine by pressing the green button (1) of the disconnection switch.

Run the machine for 30 seconds in a safe position to check for proper operation.

Stop the machine immediately if there is a significant vibration or if other defects are detected.

If this is the case, check the machine to determine the cause of the fault.

Stopping is carried out by pressing the red button on the magnetic switch (2).



### c. Use

You can use the machine after unpacking, reading the instructions and checking the correct assembly of the blade.

For a good sliding, the table must be regularly lubricated.

Avoid wet wood.

Carefully remove and clean wood chips regularly.

Avoid working too small parts (less than 5 mm thick).

Caution: moving the workpiece too fast generates burrs.

## 5. MAINTENANCE AND STORAGE

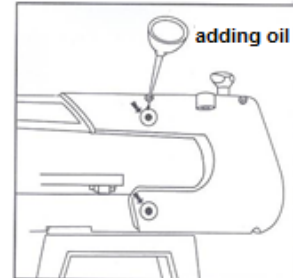
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### a. Cleaning of chips

When using your machine it is important to connect a vacuum cleaner connected to the chip outlet so that the chips do not remain in the motor or in the chassis of the machine. Chip accumulation can alter the drive belt and cause the engine to overheat. These failures are not covered under warranty

### b. Lubricating of the gooseneck supports

Lubricate this part with white oil as often as possible (about every 2 hours of use).



### c. Regular maintenance

Periodically check the power cable and, if it is damaged, replace it with an identical cable. It is recommended that this service be carried out by the After Sales Service.

Periodically check the power cord and extension cables and replace if damaged. This operation must be provided by a qualified service.

Keep the ventilation slots of the machine always in good condition.

It is advisable to check the condition of the carbon brushes after 50 hours of use or in case of excessive sparking.

Keep the cutting tools sharp and clean for better and safer performance.

Clean the protector with a brush to remove sawdust after use after disconnecting the machine.

The cleaning of the plastic parts is done disconnected machine, using a soft damp cloth and a little soft soap.

Never immerse the machine and do not use detergent, alcohol, gasoline, etc.

For thorough cleaning, consult the After Sales Service.

## 6. DISPOSAL

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Electrical products should not be discarded with household products. According to the European Directive 2012/19/EU on waste electrical and electronic equipment and its implementation into national law, electrical products used must be collected separately and disposed of at collection points provided for this purpose. Talk with your local authorities or dealer for advice on recycling.

## **7. DECLARATION OF CONFORMITY EU**

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**Declaration of conformity  
FEIDER FRANCE**

**ZI, 32 RUE ARISTIDE BERGES – 312070 CUGNAUX – FRANCE**

**Declares that the machinery as designated below:  
SCROLL SAW  
F405SC3F**

**Serial number:**

**Complies with the provisions of the Directive « machinery » 2006/42/EC and  
national laws transposing it**

**Also complies with the following European directives:**

EMC Directive 2014/30/EU  
ROHS Directive 2011/65/EU

**Also complies with European standards, with national standards and the following  
technical provisions:**

EN 61029-1:2009+A11:2010  
EN 55014-1:2006+A1:2009+A2:2011  
EN 55014-2 :1997+A1:2001+A2:2008  
EN 61000-3-2:2014  
EN 61000-3-3:2013

**Cugnaux, 27/07/2017**



Philippe MARIE / PDG

Responsible of technical file: Mr Olivier Patriarca

