

# **PROXXON**

## **GG 12**

## **Manual**



# Translation of the Original Operating Instructions PROXXON GG 12 Set

Dear Customer,

Please read these safety regulations and operating instructions before using the tool.

## **WARNING!**

Read all safety warnings and instructions. Failure to follow all safety warnings and instructions listed below may result in electric shock, fire and/or serious injury.



KEEP ALL SAFETY WARNINGS AND INSTRUCTIONS FOR THE FUTURE!

## **Safety information:**

### **General safety regulations:**

#### **IMPORTANT**

1. Keep the working area tidy.
2. Check the tool for damage before each use (connection lead, safety devices, etc.); have defective components replaced by a specialist.
3. This tool meets the relevant safety regulations. Repairs (e.g. replacing the mains lead) may only be carried out by an electrician.
4. Never work without the safety devices provided.
5. Do not use electric tools in the rain, in damp environments or near inflammable liquids or gases.
6. Only use tool if the handle is dry and free of grease.
7. Avoid body contact with earthed objects, e.g. pipes, radiators, ovens and refrigerators.
8. Protect connection lead from heat and sharp edges and route so that it cannot be damaged.
9. Do not use lead to pull the plug out of the voltage supply.
10. Do not lift the tool by the lead.
11. Keep children and people not involved away from the working area.
12. Store tools out of the reach of children when not in use.
13. Do not overload your tool.
14. Do not use the tool for operations for which it was not intended.
15. Replace blunt tools promptly.
16. Check inserting tools prior to every start-up by visually inspecting their completeness and suitability for the application.
17. Fasten or clamp the work piece securely.
18. Clean the tool thoroughly after use (disconnect plug).
19. Remove the mains plug from the socket when not in use or prior to maintenance, tool change or repair.
20. Only insert plug if the tool is switched off.
21. Wear protective goggles (in case tool breaks).
22. If necessary, wear dust mask.
23. Only wear suitable work clothes (no baggy sleeves, ties, jewellery).
24. Wear hair protector if you have long hair.
25. Only use accessories and spare parts recommended by PROXXON.

26. If necessary, use a dust extraction system (but only use suitable dust extractor, risk of fire from sparks).
27. Do not use the tool if you are not concentrated or under the influence of alcohol.
28. Keep fingers away from rotating and fast-moving tools.
29. Always keep operating instructions in a safe place close at hand.

### **Please also read the following carefully:**

PROXXON does not accept liability for damage that occurs if:

1. the tool is handled in a manner which constitutes improper use
2. it is used for purposes which are not specified in the instruction manual
3. the safety regulations are not observed

Warranty claims are invalid if:

1. the tool is operated incorrectly
2. the tool is used improperly
3. modifications or interventions are made on the tool

- Do not leave the tool switched on.
- Only allow children to operate it under the supervision of adults.
- Wear protective goggles.
- Secure small work pieces so that they are secure and stable.
- Keep the working area tidy.
- Do not overload the tool.
- Store tools safely.

## **Description of the machine**

Engraving glass, acrylic and ceramic (and also steel) is an enjoyable hobby. Congratulations on purchasing the appropriate tool for this hobby. This is a precision tool that will make this pastime a particular pleasure. You will be satisfied with the result of your work after just a little practice.

### **Scope of delivery**

- 1 engraving tool GG 12
- 1 voltage supply unit, model SNG
- 1 ball-shaped abrasive diamond pencil 1.0 mm
- 1 ball-shaped abrasive diamond pencil 1.8 mm
- 1 conical silicon-carbide abrasive pencil
- 1 bullet-shaped silicon-carbide abrasive pencil
- 1 piece of glass for experimenting
- 1 robust case

### **Note:**

Only operate the GG 12 with the voltage supply unit provided or other PROXXON voltage supply units (NG 2/S/E or NG 5/E).

## Technical data:

Permanently excited DC motor for 12 - 18 volt

Power rating: max. 25 watt

Nominal current consumption: 0.5 A

Ball bearings

Radial fan for forced cooling

Idle speed: 20,000 rpm

Micro-switch (button) in handle

Housing made of glass-fibre-reinforced polyamide

Power lead (helix cable) with non-interchangeable plug,  
approx. 100 cm long

Isolation transformer



For use in dry  
environments only



Protection class II device



Please do not dispose off  
the machine!



Noise emission  $\leq 70$  dB (A).

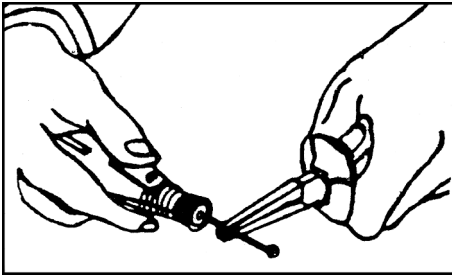


Fig. 1

### **Note:**

Only use inserting tools with a 2.35-mm shaft. Clamp shaft with pliers and insert into the mount to the stop.

Never overload the tool by pressing too hard. Always remember that power is provided by the rotational speed and not the contact pressure.

## Working with the tool:

Switch on the tool and hold like a pen with a gentle grip. Rest the lower half of your arm on the table or against your body. After some practice, we recommend that you work with templates (available in shops). Simply adhere these to the rear of the glass with adhesive tape. Always make the outline first. Use the diamond abrasive pencils to do this. Then create matt surfaces with the silicon-carbide pencils.

## Always remember:

Practice makes perfect. At the beginning, use simple types of glass (panes or cylindrical glass). Use dark materials underneath to give a better contrast.

## Care and maintenance

Except for occasional cleaning, no special maintenance is required for your engraving tool. If you follow the instructions in this User Manual, the tool will reliably and safely provide you with valuable services for many years.

## Disposal:

Please do not dispose of the device in domestic waste! The device contains valuable substances that can be recycled. If you have any questions about this, please contact your local waste management enterprise or other corresponding municipal facilities.

## EC declaration of conformity

Name and address  
of the manufacturer: PROXXON S.A.  
6-10, Häreberg  
L-6868 Wecker

Product designation: GG 12 Set  
Article No.: 28635

In sole responsibility, we declare that this product conforms to the following directives and normative documents:

**EU EMC Directive**                      **2014/30/EU**  
DIN EN 55014-1 / 05.2012  
DIN EN 55014-2 / 06.2009  
DIN EN 61000-3-2 / 03.2010  
DIN EN 61000-3-3 / 06.2009

**EU Machinery Directive**            **2006/42/EC**  
DIN EN 60745-1 / 01.2010

Date: 11.04.2018

Dipl.-Ing. Jörg Wagner

PROXXON S.A.  
Machine Safety Department

The CE document authorized agent is identical with the signatory.

# PROXXON

**GB** Service note

All PROXXON products are thoroughly inspected after production. Should a defect occur nevertheless, please contact the dealer from whom you purchased the product. Only the dealer is responsible for handling all legal warranty claims which refer exclusively to material and manufacturer error.

Improper use, such as capacity overload, damage due to outside influences and normal wear are excluded from the warranty.

You will find further notes regarding "Service and Spare Parts Management" at [www.proxxon.com](http://www.proxxon.com).