

CNCGLASS

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CNC Ucolin Interlayer Technology Co., Ltd.

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TECHNICAL OPERATING INSTRUCTION

Operating Instruction of THERMAL CUTTER CNC02 — Continuously Working

CNCGLASS · Safety Prompts

- Please read this instruction carefully before operation.
- Take special care on safety prompts in these instructions so as to avoid injury to yourself, other people and objects.
- Please follow the guidelines in these instructions to avoid damage to the tool.

CNCGLASS · Specification

Item	Value (source preserved)
INPUT	230 V or 120 V depending on the type of plug purchased
OUTPUT	Max. 100 W
Duty	Continuous operation is supported / designed for continuous duty
WEIGHT	450 g (source figure — not replaced)
BODY LENGTH	290 mm
Max TEMPERATURE	400 °C (source maximum — not replaced)

Model note (field / public description): CNC02 is designed for continuous working with an air-cooling system, whereas CNC01 (intermittently working) is intended for short-time operation and requires intermittent trigger release for cooling. Prefer the lowest effective temperature setting that still trims interlayer remains cleanly (public examples often cite mid/lower setpoints around ~300 °C rather than always driving to a high tip temperature).

CNCGLASS · Basic Kit

- Thermal Cutter Handle × 1
- Wire brush × 1

- Special spanner × 1
- Tool box × 1
- Blades × quantity as purchased separately

CNCGLASS · Introduction

CNC02-CONTINUOUSLY WORKING THERMAL CUTTER is a professional-grade hot cutting tool for cleaning laminated glass edge remains of **EVA FILM**, **PVB FILM** and **SGP FILM** (EVA / PVB / SGP interlayer overflow at the laminated-glass edge). The CNC02 THERMAL CUTTER heats up in seconds and gives the operator temperature control.



Fig. 1 — CNC02 thermal cutter (source photo)



Fig. 2 — Tool detail (source photo)

CNCGLASS · Blade Installation

- Always unplug the power cord of the CNC02 THERMAL CUTTER before installing or removing the blades. Allow sufficient cooling time for blades, blade holders and mounting **screws** before **handling**.
- Loosen the screws on the blade holders with the wrench.
- Slide the blade under the square pressure plates until snug.
- Securely tighten screws to assure the proper electrical connection. Do not over-tighten.
- Once the blade is firmly in place, plug the thermal cutter into a standard **230 V** or **120 V** power supply depending on the plug of the cutter you bought.
- The temperature control knob has **16** click **settings** that correspond to the graduated ridges on the surface. The smaller the ridge, the lower the power setting.
- Blade compatibility —

Forbidden on CNC02: blade types 3.1 / 4.1 / 11.1 / 14.1 — do not install. Allowed on CNC02: blade types 3.2 / 4.2 / 11.2 / 14.2 only — these are designed for CNC02 THERMAL CUTTER.

CNCGLASS · Operation

Set the temperature control knob at a mid-range setting, place the blade against the edge of the laminated glass, and depress the trigger. Optimum cutting should be virtually smoke-free.

- The blades of CNC02 THERMAL CUTTER have a sharpened edge; for the cleanest cut, always cut in the direction of the sharpened edge.
- Excessive power output and heat generation may cause the blade holders to overheat resulting in damage to the unit. Use only the power output for proper cutting. The blade does not need to be red hot to cut interlayer remains.

Use the lowest effective temperature that still produces a clean trim. Visible smoke usually means the cut is too slow or the blade is too hot — lower the setting and/or adjust cutting speed.

CNCGLASS · NOTES

For the best results, practice on scrap pieces of **scrap laminated glass**.

It is best to keep the temperature and speed consistent. If smoke develops during the cut, you are cutting too slow or the blade is too hot, which could result in an uneven cut. This can be remedied by lowering the temperature and intermittently releasing the trigger during your cut. As the cutting resistance increases, depress the trigger again. The thermal cutter will reach the set temperature within seconds. You can accomplish your cut with minimal smoke using this process. Cutting in this manner will also prolong the life of the thermal cutter.

Releasing the trigger approximately one or **two** inches prior to the completion of the cut will help keep the blade clean and free from buildup.

CNCGLASS · Cautions

- Always operate the thermal cutter in a **well-ventilated space**.
- Never burn off excess residue on the thermal cutter blade. The blades will overheat, warping the blade and potentially overheating the thermal cutter.
- Only operate the thermal cutter when it is in contact with the insulation board (**thermal insulation / support board under the work area**).
- Keep hot blades away from skin, clothing and other flammable materials.
- Allow blades to cool before handling. A hot blade may cause injury or burns to exposed surfaces.

CNCGLASS · Maintenance

Constant use of the thermal cutter may result in some material build-up on blades and the brass holders. This excess material interferes with the **proper electrical contact and impairs** the performance of the blades. The brass blade holders and blades can be thoroughly cleaned with a wire brush.

CNCGLASS · Contact

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CNCGLASS · Thanks for your reading