

CNCGLASS

PRODUCT CATALOG

Thermal Cutter — laminated glass edge overflow trimmer for EVA, PVB, SGP

English

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CNC Glass (cncglass.com) — thermal cutter for laminated glass edge trimming of EVA / PVB / SGP interlayer overflow.

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In use: trimming laminated glass edge overflow



CNC02 air-cooling thermal cutter (16-section dial)

1. Product Overview & How It Works

Thermal Cutter — clean laminated glass edge overflow remains of EVA, PVB, SGP etc.

Category: laminated glass EVA/PVB/SGP edge trimmer / thermal cutter / hot knife for interlayer overflow.

Use case: For glass factories that laminate with EVA, PVB or SGP and need a fast handheld tool to clean edge overflow after oven heating.

Application

When making laminated glass with EVA interlayer film (or PVB interlayer, SGP interlayer), there may be some overflowed EVA interlayer remains (or PVB remains, SGP remains) on the edges of laminated glass after heating in the oven. The Thermal Cutter is a handheld tool to clean the laminated glass edges overflowed remains easily and effectively.

How It Works

The blade of the Thermal Cutter can reach up to 500°C in seconds. The Thermal Cutter trims the overflowed interlayer remains not by strength or sharpness, but by ultra-high-temperature heat (up to 500°C). Whether the interlayer film is EVA, PVB, or SGP, the Thermal Cutter can clean overflow remains effectively.

Source product sheet: CNC02 (continuous / air-cooling) vs CNC01 (intermittent) with matching blades

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2. CNC02 vs CNC01 Comparison

Continuously working (air cooling) vs intermittently working

Feature	CNC02 (Continuous)	CNC01 (Intermittent)
Working mode	Continuously working with air cooling system	Intermittently working — release button for cooling after short heating
Smoke / burn marks	Minimum smoke; no burned marks	— (standard intermittent use)
Weight (marketing)	610 g — lighter, easier to handhold	950 g
Temperature control	16-section highest-point temperature adjustment (e.g. set ~300°C instead of 500°C to prolong blade/cutter life)	—
Matching blades	3.2 / 4.2 / 11.2 / 14.2 (CNC02 only)	3.1 / 4.1 / 11.1 / 14.1 (CNC01 only)
Handhold body EXW (from source sheet)	Contact cnc@cncglass.com USD/set (not including blades)	Contact cnc@cncglass.com USD/set (not including blades)
Blade EXW (from source sheet)	Contact cnc@cncglass.com USD/pc (any type 3.2/4.2/11.2/14.2)	Contact cnc@cncglass.com USD/pc (any type 3.1/4.1/11.1/14.1)

Key differences (from source)

- CNC02 is designed for continuously working with an air cooling system; CNC01 is for intermittently working — release the button intermittently for cooling after short heating so the blade does not get too hot.
- CNC02 trims edges with minimum smoke and no burned marks.
- CNC02 is lighter (610 g) and easier to handhold; CNC01 is 950 g.
- CNC02 offers 16-section highest-point temperature adjustment — you need not heat blades to 500°C every time; setting a lower highest point (for example about 300°C) when that is hot enough prolongs blade and cutter life and saves cost.

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3. Heavy Duty Heat Cutter: 10 Hours Pro250

Separated power supply — handhold only 250 g

CNC Glass Heavy Duty Thermal Cutter Pro250 — continuous ~10-hour laminated glass interlayer edge trimming for glass factories.

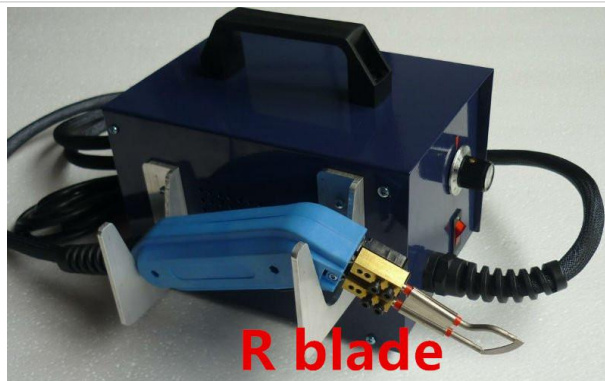
- **【1】** Suitable for heavy-duty operation and more continuous long-time cutting (~10 hours).
- **【2】** Separated power supply: handhold weight only 250 g; no heat at the handhold part.
- **【3】** Stand-by / pre-heat: built-in high-quality power electronics keep a stand-by temperature so the blade is pre-heated when the unit is turned on, allowing quicker operation.
- **【4】** Compatible with popular blades for glass interlayer trimming: 3.2, 4.2, 11.2, 14.2, R blade, and F blade.

EXW Price List — Pro250 & specialty blades

Model / Item	Spec	EXW Price
HEAVY DUTY THERMAL CUTTER PRO250	Heavy duty set (separated power supply)	Contact cnc@cncglass.com USD/SET
F BLADE	Specialty blade for Pro250 / listed cutters	Contact cnc@cncglass.com USD/PC
R BLADE	Specialty blade for Pro250 / listed cutters	Contact cnc@cncglass.com USD/PC



Pro250 kit — handhold + separated power supply



Pro250 with R blade on cradle



F blade mounted on heavy-duty cutter

If you want to order, please simply send us an email: cnc@cncglass.com

4. Blade Compatibility Warning

CNC02 and CNC01 blades look similar but are not interchangeable

Warning

- The blades (3.2, 4.2, 11.2, 14.2) suitable for CNC02-Continuously-Working cannot be used in CNC01-Intermittently-Working.
- The blades (3.1, 4.1, 11.1, 14.1) suitable for CNC01-Intermittently-Working cannot be used in CNC02-Continuously-Working.
- Even though they look the same, they are different in composition percentage.

Cutter model	Compatible blades	Do NOT use
CNC02 Continuous	3.2 / 4.2 / 11.2 / 14.2 (+ R / F on Pro250)	3.1 / 4.1 / 11.1 / 14.1
CNC01 Intermittent	3.1 / 4.1 / 11.1 / 14.1	3.2 / 4.2 / 11.2 / 14.2

5. Customer Reviews

What others are saying about CNC Glass thermal cutters

Review 1	Good Morning Peter, Sorry about the delay in getting this info to you, the thermal cutters are working very well, we are very happy with them. I am sure we will be ordering more from you over the coming year so thank you for all your help on this matter. Regards — be in touch soon.
Review 2	Peter, The Thermal Cutters were received 10/9, in the afternoon. I have already used them and they work great. Much better than the method I was using before.
Review 3	Dear Olivia, My people are very happy with the cutting tool.
Review 4	Peter, Yes, we received the cutters. We have already been using them and they work very nicely. Thank you for your help.
Review 5	Dear Olivia, We have good result with EVA thermal cutter, my colleague will contact you to place new order.
Review 6	Peter, the cutter works good on small pieces of SGP laminated glass.
Review 7	Hi Peter, The cutter works great. I want to order another one — same order. I will send funds PayPal. Thanks.
Review 8	Good morning, Peter. The heat guns are working out quite well for us. We'd like to order 1 more for backup. Can you set this up for us?

6. How to Order, Payment & Contact

How to Order

1. Decide the quantity of thermal cutter and blades, and which plug suits your local voltage.
2. [CE Standard plug: AC 230V/50Hz](#) — or [US Standard plug: AC 120V/60Hz](#) (voltage / plug option only; no CE certificate claimed beyond the plug standard).
3. We send you the proforma invoice (PI).
4. You make the payment, and send us the payment copy for us to check.
5. We send the goods to you immediately once the payment is received, and keep you updated on the shipping status.

If you want to order, please simply send us an email: cnc@cncglass.com

Bank Wire Transfer

Field	Details
BANK NAME	HSBC Hong Kong
Contact cnc@cncglass.com	

PayPal

Field	Details
PayPal	cnc@cncglass.com

Contact & Ordering

Item	Details
Brand	CNC Glass
Company (legal)	CNC Ucolin Interlayer Technology Co., Ltd.
Website	www.cncglass.com
Contact	Peter Lin
Email	cnc@cncGlass.com
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WeChat	wecan365

7. Appendix — Operating Instruction

THERMAL CUTTER CNC02 — CONTINUOUSLY WORKING

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.

Specification

Item	Value
INPUT	230 Volts or 120 V depending on the type of plug you bought
OUTPUT	Max. 100 Watts
Operation	Continuously workable
WEIGHT	450 g
BODY LENGTH	290 mm
Max TEMPERATURE	400°C

Basic Kit

- Thermal Cutter Handle × 1
- Wire brush × 1
- Special spanner × 1
- Tool box × 1
- Blades × depending how many you ordered

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. The CNC02 THERMAL CUTTER heats up in seconds and gives the operator temperature control.

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 volt 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.
- The blades type 3.1, type 4.1, type 11.1 and type 14.1 CAN NOT be used on CNC02 THERMAL CUTTER. Only blades type 3.2, type 4.2, type 11.2 and type 14.2 are designed for CNC02 THERMAL CUTTER.

Operation

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

- The blades of CNC02 THERMAL CUTTER have a sharpened razor 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 needed for proper cutting. The blade does not need to be red hot to cut interlayer remains.

Notes

For the best results, practice on scrap pieces of unused 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.

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.
- 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.

Maintenance

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

Contact us if you need any help

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