LUMINOS
INDUSTRIES LTD.

Cable Preparation Tool
User Manual

Part#: CPT2

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Introduction to Cable Preparation Tool

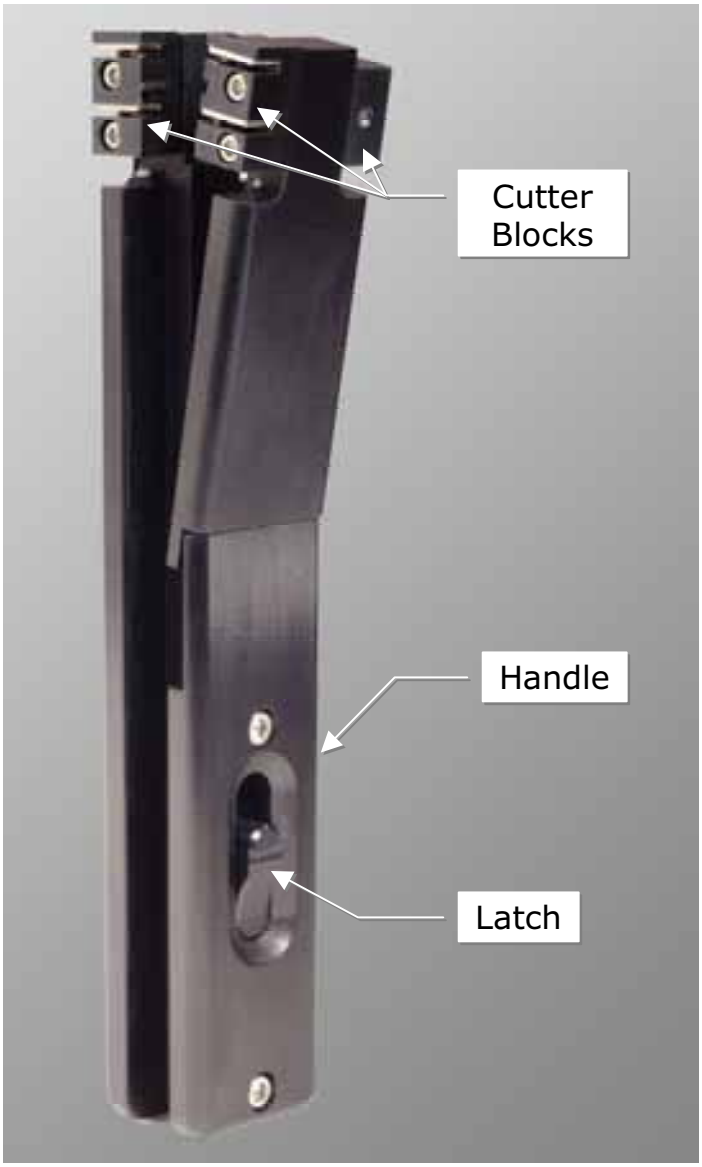


Figure 1: CPT2

The CPT2 is a Dual Purpose Fiber-Optic Cable Preparation Tool for slitting and/or stripping. With selected pairs of blades mounted on each side of the moving jaw - this tool is totally customized to meet the users requirements.

This method of cable preparation requires minimal time and effort to accomplish. A simple light pressure engages the slitter blades. A latch is provided primarily for use with the 900µm buffer stripper, which enables the operator to close and hold the stripper while preparing to apply additional pressure for pulling the buffer. This innovative approach to cable preparation saves time, increases production and is safer than conventional practices. The CPT2 is the ideal tool for every field technician required to slit and strip fiber optic cable.

Slitter Blades

When equipped with slitter blades, the CPT2 easily slices through the cable sheath with no damage to the internal fiber optic cable. The exclusive ball socket joint and factory-preset blades allow the CPT2 to glide effortlessly along any length of cable resulting in two precision slits along the cable length. Slitter blades have a life expectancy of >2km

Blade Type	Jacket O.D.	Jacket Thickness
J	2.5 to 3.5 mm	.45 to .6 mm
K	4 to 5.5 mm	1.25 to 1.35 mm
L	5.5 to 6.5 mm	1.35 to 1.65 mm
M	1.8 to 2.2 mm	.25 to .35 mm

Stripper Blades

When outfitted with stripper blades, the CPT2 successfully strips away both the 900µm buffer and 250µm/500µm acrylate in one single action and is robust enough to remove 3-4cm of hard military tight buffer and acrylate in a single pull. Stripper blades are assessed for >10,000 pulls unless excess wear is caused by abrasive contamination.

Feature Summary

- Interchangeable blades in a variety of sizes 2mm, 3mm, 4-5mm, 6mm jacket slitter
- Factory preset blade depth
- Exclusive ball-socket joint and embedded latch for smooth effortless operation
- Rugged construction
- Specific blades available for hard buffer military / Harsh Environment or soft buffer Commercial cable

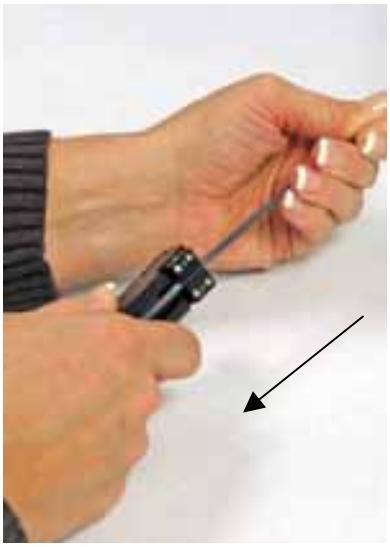
Getting Started

Operation of the jacket slitter

Verify that the type of slitter matches the cable type;

1. Position the cable in the slitter tool at the desired start point.

2. Apply thumb pressure to close the jaws and slide the latch to lock in place.



3. Pull the tool along the cable in the direction of arrow to slit the cable.

4. The tool does two parallel cuts on opposing sides of the jacket so that the jacket can easily peel apart to expose inner cable.

Operation of the 900 µm buffer plus acrylate stripper

The method for stripping hard tight and soft tight buffer is the same. The CPTRB:AB jaw is optimized for hard elastomeric buffer and acrylate removal and the CPTRB:CD jaw has been optimized for commercial PVC buffer and acrylate.

1. Place the fiber between the jaws of the 900 µm stripper at the desired strip position.

2. Apply a closure force until the jaws close to contact.

3. Hold the jaws closed and bring up the latch to keep them closed.

4. Align the handle and fiber. Secure the cable for a 2 kg pull. The maximum recommended length per pull is 2 cm or 0.75 inch. Longer strip lengths should be done with multiple pulls.

Figure 2: Slit Cable with Stripped Fiber

Installing Slitter Blade Blocks

The letter designators for the slitter blocks are stamped on the back of each block. Ensure you have a matched pair.

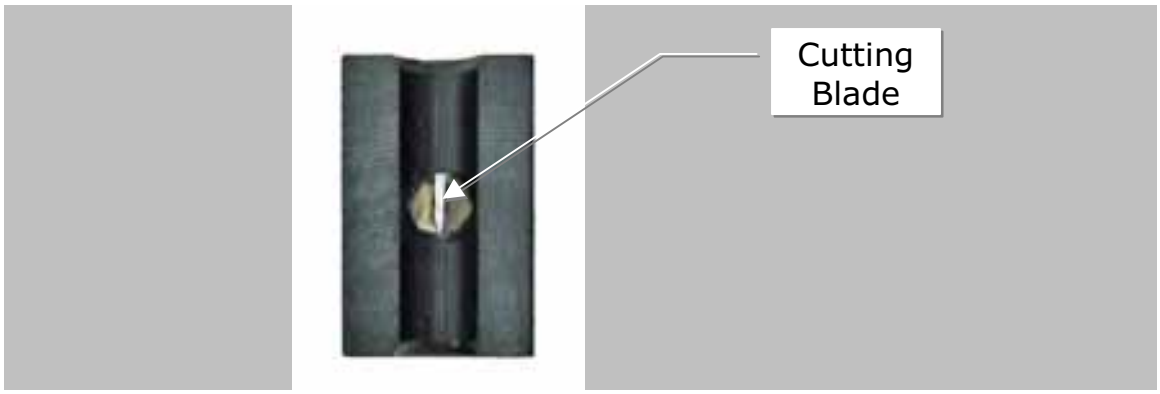


Figure 3: Cable Slitter Block

The correct installation of the slitter block directs the sharpened edge of the cutting blade toward the handle.

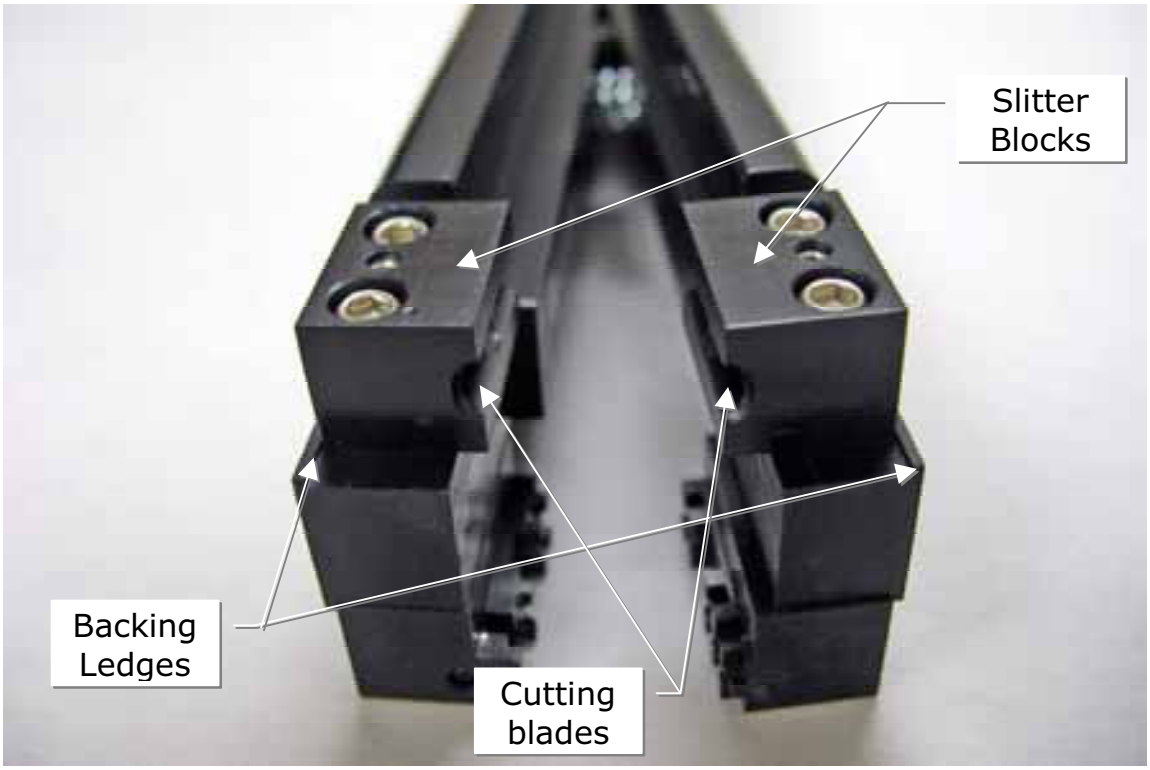


Figure 4: Top View of CPT2

The cutter block must be mounted against the backing ledge. Tighten the hex screws using the 5/64 hex allen key (provided).

The optimum torque for this screw is 2 inch pounds. The threads may become damaged by over tightening.

Installing 900µm Buffer Stripper Blocks

The letter designator for the stripper blocks is stamped on the back of each block. Ensure you have a pair AB or CD.

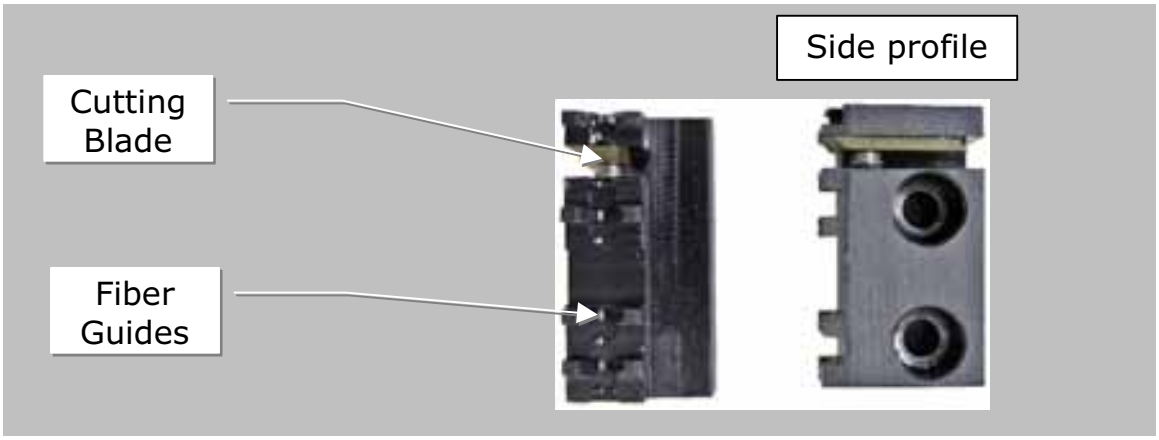
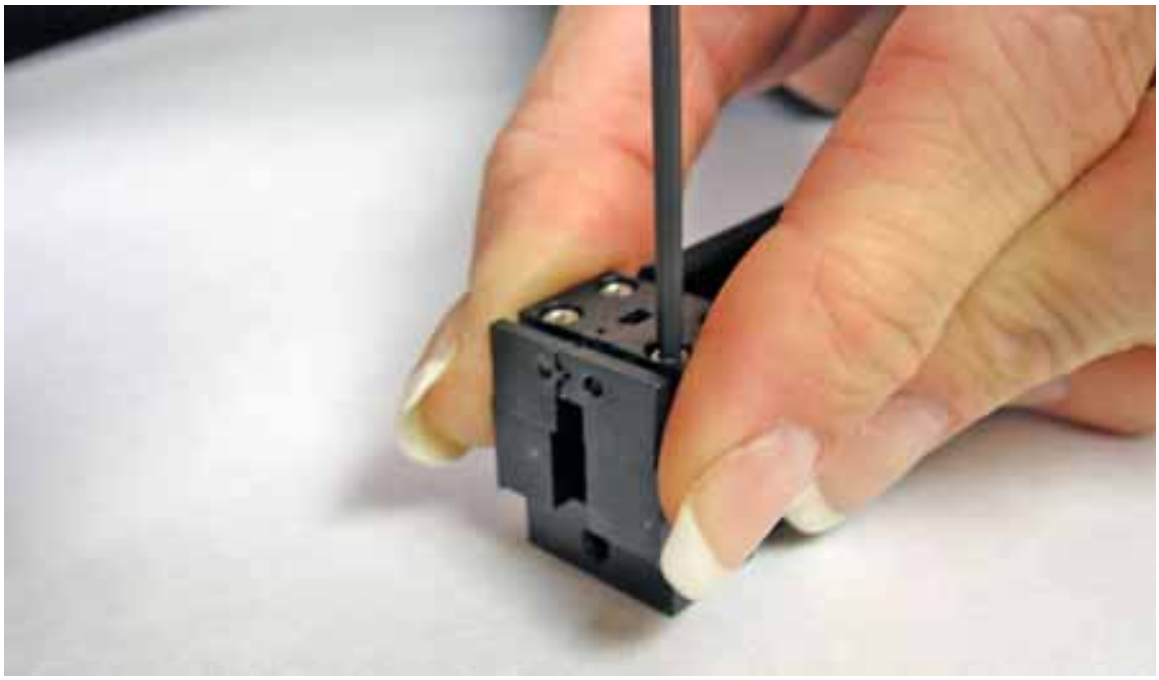


Figure 5: 900µm Buffer Blade Block

The correct mounting position has the cutting blade nearest the tip of the tool. Mount both blocks and leave the screws loose.

Close the handle and use the latch to hold the jaws almost closed.



Observe the alignment of the cutter blades. Adjust to align the blades before tightening.

Apply finger pressure (as shown) to bring the jaws tightly together at both front and rear for good parallelism. Snug the screws to hold the blocks and then torque the screws to 2 inch pounds. The screws provided are 2-56 X 3/8 inch stainless steel.

Contact Us

Thank you for purchasing a Luminos product. We want to ensure your experience is a positive one. If you have any questions, concerns, or comments do not hesitate to contact us.

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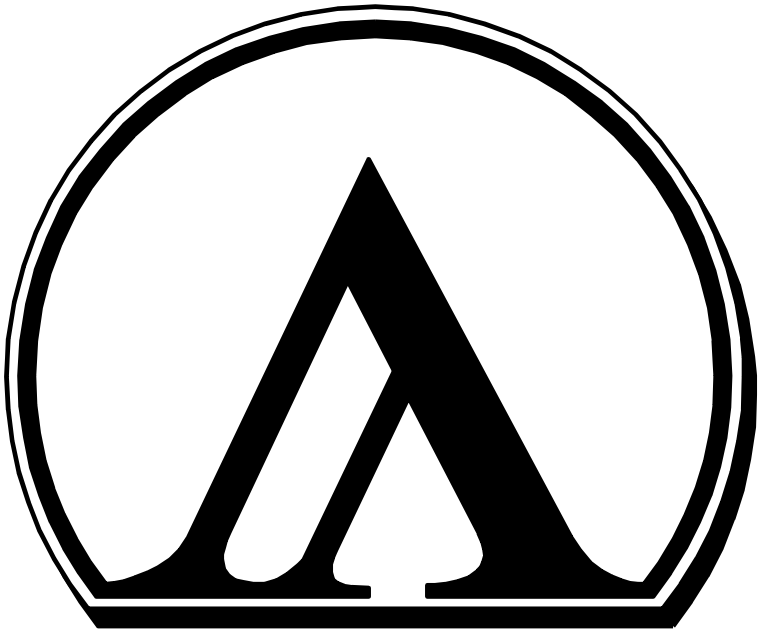
Products not returned in original packaging will void this warranty.

This warranty does not extend to cover damage resulting from alteration, misuse, negligence, abuse, normal wear and tear, or accident.



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