

WEKO

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Cut-*i*t EC116 - Key Points

- Very compact design. Fits any stenter. No restriction of the effective working width and dressed to cut in-line with the pin-perforation.
- Minimum waste. A de-curling unit flattens the edges just before the cutter entry.
- The cutting discs are driven by a maintenance-free AC-motor.
- The electric components are standard items, available all over the world.
- The setup of the fabric width happens by push button controlled motor drives.
- Automatic edge tracking is optionally available.
- Tool-less dismantling for easy access to all components.
- Edge clippings are removed by one blower (optional), as opposed to two suction units. Thus saving capital costs and power consumption. But Cut-*i*t accepts also existing suction units.
- Low down-times for the stenter during disc change. The contact pressure between the cutting discs is factory-set. No re-calibration needed at any time.



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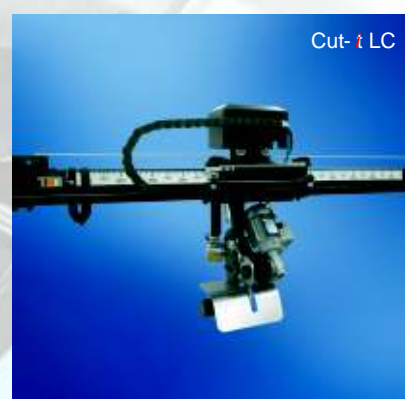
Weko Cut-*i*t EC116
Edge Cutter for Knits and Wovens

WEKO Mission in Web-Cutting Technologies

Weko manufactures standard and custom tailored cutting systems for different web applications. Some models are designed for stenters with rail-pins. These models assure positive control over the clipping waste without operator involvement. Other models are designed for stenters with rail-clips, others for coated fabrics, others work in production

environments that process a vast variety of different fabrics – regardless of stenter condition, type of process or type of web.

The product range includes cutters for edge trimming, longitudinal and cross cutting. These are suitable for materials like textiles, papers, cardboards or thick nonwoven-mats.



Cutting Method

The scissors-like cutting principle disposes of two low-speed rotating discs. In order to achieve a shear-cut operation the eccentrically arranged cutting discs are pressed to one another. The planar discs dispose of right angle cutting edges giving those the best cutting properties while minimizing wear.



Advantages of the innovative Cutting Method

A variety of advantages are combined in the innovative two disc principle:

- Safety of handling. No sharp high-speed cutting blade can harm the machine operator.
- Low heat generation, particularly in the field of partially synthetic fabrics such as polyester or lycra,

while dull high-speed rotary blades cause melting of synthetic fibers.

- A lubrication system with a minimal consumption of lubricants prevents from wear.
- By minimizing rotary speed and friction, our twin-disc system provides a remarkably high service

life compared to conventional sharp rotary blades.

- The cut can be made directly on the pin perforation which results in considerably less clipping waste. This ensures maximum use of the fabrics.

How the Cut- it works

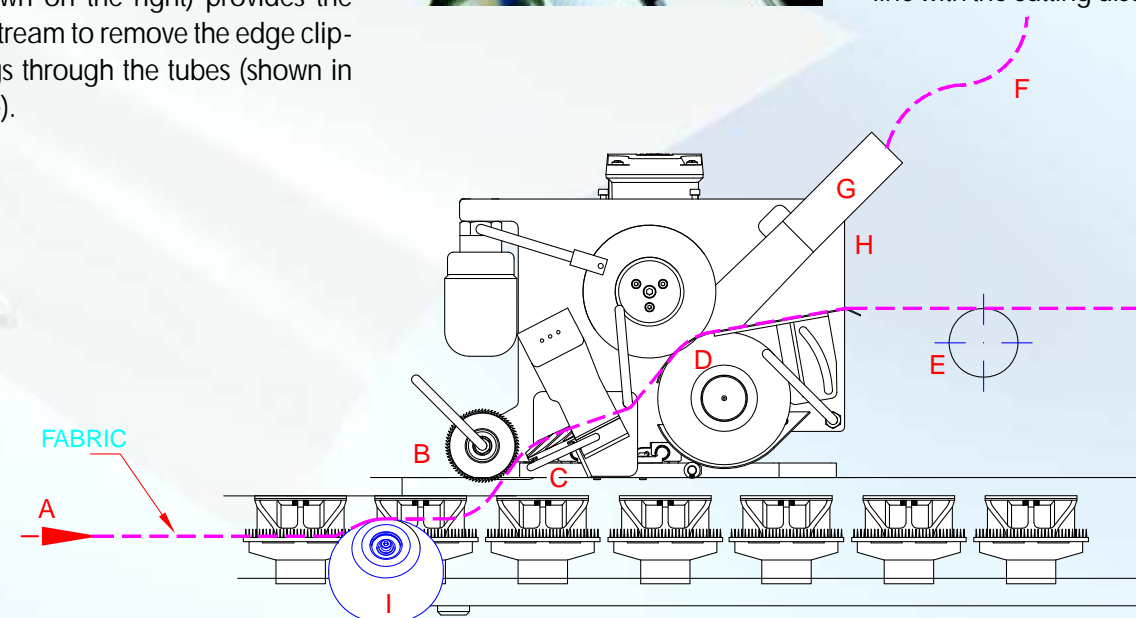


The picture shows the Cut-it with edge cutters on each side. The fabric is moved towards the dryer entry by the pin-chain. It is being lift off from the pins by a specially designed transfer cone/roller. After the edge cut a single compressor (shown on the right) provides the air stream to remove the edge clippings through the tubes (shown in blue).



The mounting of the optional air compressor can be adapted to any situation. Only one required for both cutting units.

The optional edge tracking keeps the edges even more precisely in line with the cutting discs.



- The fabric is transported into the cutting unit (A).
- With the guiding cone (B) the fabrics is lift off the pin chain.
- The decurler unit (C) flattens the edges.

- This cutter consists of a rotary shear cut system with twin discs (D).
- The fabric is moved over a support plate towards the guiding roller at the exit (E).
- The clipping waste (F) is removed from the pin-chain by a blower

- removal system (G) and guided through a tube to a trim disposal unit.
- Push button controlled and motorized width adjustment (H)
- Pin-out Device to the easy fabric dispin (I).