

TAPE LABYRINTH WITH EXTRA-SHORT SPACINGS

For Precision Irrigation

As a market-leading solutions provider in the field of drip irrigation, THE Machines is proud to announce the launch of a new product: "Extra-Short Spacing" Tape Labyrinth.

The new Endless Tape Labyrinth Emitter is adapted to be manufactured by our successful LIT106 Seamless Tape Labyrinth production line.

Drip Irrigation is a highly-demanded application providing several benefits over Flood, Sprinkler and other traditional irrigation methods, including significant water & fertilizer savings, and reduced soil run-off, leading to higher crop yields and profitability for farmers. Compared to other methods, the application faces challenges of the uniformity or "wetting pattern" of the irrigation applied in the field. This aspect is most needed during the germination phase and when, overall, sandy soil is present.

To meet the challenge, THE Machines has developed a Tape Labyrinth with "Extra-Short" spacing of 7.5cm between outlets. This new solution is adapted for our LIT106 lines, with "quick-change" operation and user-friendly interface, to facilitate production, enable productivity and high-quality solutions.

Features and benefits

- Short Pitch/Spacing – for max soil wetting uniformity
- Wide Flow rate range – also on demand
- Flow uniformity – very low Cv

Applications

- Surface Irrigation
- SDI – Subsurface Drip Irrigation
- Green Houses

Technical data

LIT106:

Tube Diameter	Ø16 - 36 mm
Tube Wall Thickness	5 - 15 mil
Flow Rate	1.0 - 2.0 L/h
Cv	< 3%