

RTIS Lite

Reel Tab Inserter System



Features

- Compact unit, simple to set up and operate
- No contact with the web
- Accurate marking of defects
- Easy identification of marked areas
- Different operating options (manual or automatic via sensors or camera inspection systems)

Benefits

- Eliminates dangerous hand flagging
- Minimising waste ensures higher levels of efficiency
- Separation of good product from spoil
- Fast return on investment
- No contact with the web ensures no chance of damage or web breaks
- Support of production workflow



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The RTIS Lite offers unparalleled waste management control by remote firing adhesive marker labels onto the moving edge of web material, whenever an area of interest needs to be marked.

The RTIS Lite can attach a label to the web at speeds of up to 600m/min with no physical contact and therefore no risk of damage to the web.

The RTIS Lite fires a self-adhesive label onto and overlapping the web edge, so it remains visible in the finished reel. This offers printers, converters, coaters and manufacturers, using web production materials, an accurate and safe method of marking defects that may occur on the run.

The RTIS Lite is manufactured for industrial applications. It has been designed to be robust, and to the smallest dimensions possible, to enable it to be located within most presses and converting equipment. RTIS Lite is a reliable web marking device, which is simple to install and easy to operate. The unit can be combined to run together with web inspection systems, other external operating devices (SPS, PLC, detectors etc) or it can be operated manually.

Typical Applications

Coating & laminating

Foil producers

Heat activated laminate film

Web printers

Flexographic printers

Converters

Reel-to-reel manufacturing processes

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Technical Information

Specification	RTIS Lite
Speed*	For web speeds of 50 to 600 metres/min. depending on web material and coating
Cycle time**	Time between a fire signal and the application of a tab: 1.2 seconds Minimum time between tab insertions: 1.3 seconds
Operating distance	The distance between the RTIS Lite and the web should be 12 mm
Marker tabs	Material: Paper with self-adhesive backing Dimensions: 63 mm x 32 mm Protrusion from the web: typically 30 mm Reel capacity: 1000 tabs Colour: white, pink, white with red stripe – others on demand
Airborne noise emissions	72dB(A)
Power requirements	Electricity supply for label applicator: 90V AC to 264V AC / 63Hz 1 phase Universal mains input Connection: via 3-pin IEC320 connector Input current: 1A rms. @ 90V AC, 0.5A rms. @ 264V AC
Inputs to interface unit	1 x voltage free/NPN
Air supply	Filtered, unlubricated Pressure: min. 5bar (70 psi), max. 8bar (120 psi)
Safety	CE certification. Conforms to all applicable Harmonised European Standards
Weight	Tab inserter head 7.3 Kg Power supply module 0.25 Kg Interface unit 0.5 Kg
Dimensions	Tab inserter 226 mm W x 297 mm H x 322 mm D (excluding connections) Interface unit 120 mm W x 60 mm H x 150 mm D

* Please contact your Vacuumatic representative if you have slower or faster applications.

** Note: While it is possible to fire bursts of labels, the unit is not designed to work continuously at this rate for extended periods.

Vacuumatic have made every effort to ensure the accuracy of the information contained within this brochure. Vacuumatic operate a research and development programme which drives continuous product improvement. The services and product specifications contained within this brochure may change without notice.

