

REEL TABBING FOR THE PRINTING AND CONVERTING INDUSTRY

The World Relies on Vacuumatic's Accuracy

For over half a century the world has been enjoying the benefits of Vacuumatic's pioneering counting and marking systems.

We are global leaders in the production of state-of-the-art paper counting, batch marking and tabbing equipment.

Vacuomatic supplies the security and commercial print industries, paper mills and converters with highest quality products.

When you are working long term with the world's converters, laminators, paper mills, security printers and commercial printers, there is no room for error and certainly no room for complacency.

Our machines are designed, developed and manufactured in-house, in the UK, for distribution worldwide from our Colchester HQ, via Vacuumatic companies in the US and Germany and through our comprehensive global network of professional distributors.



What it all adds up to:

Vacuomatic exports equipment to customers in over ninety countries and has earned its reputation for precision and reliability. Our customers know they can rely on us to deliver.

www.vacuomatic.com

The future always brings fresh challenges. At Vacuumatic we enjoy the opportunity of finding viable solutions to the accuracy and security demands faced by our customers.

We have a clear focus on our R&D programme; regularly reviewing, upgrading and innovating our product inventory. Our history underlines our long term strategic commitment to progress in the field of counting and marking - the RTIS 2, for example, is the second generation of reel tabbing systems from Vacuumatic.

Vacuumatic has built its name around quality, accuracy, efficiency and reliability. But more than that, we back up our mission statement to supply the world with pioneering, robust and competitively priced marking technology with the added value of unrivalled after sales service and spare parts support.

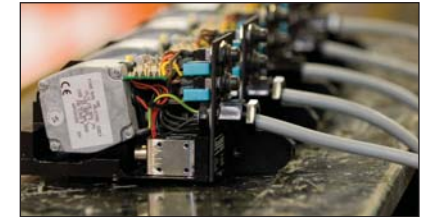
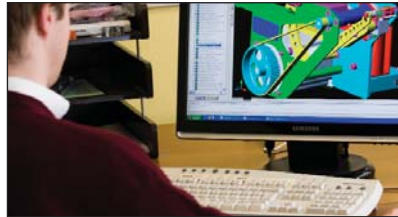
Vacuumatic consider customers to be long term partners rather than simply clients. We have a dedicated team of technical experts and spare parts coordinators working alongside a comprehensive network of distributors, covering the globe.

At Vacuumatic our entire product range is produced in-house, from initial concept, design and development, to manufacturing. Not just the mechanics and hardware; we also develop our own electronic components and software solutions.

We can offer a range of customisation options, enabling us to manufacture the highest quality machinery to our customers' exact specifications. For clients interested in the RTIS 2, we are happy to arrange site surveys to ensure the optimum location is found. In some cases it may be possible for a unit to be installed on a trial basis to demonstrate its effectiveness.



In-house Creativity, Dedicated Support and Customised Solutions



Reel Tab Inserter System

RTIS 2

The RTIS 2 offers unparalleled waste management control by remote firing adhesive marker labels onto the moving edge of web material, whenever an area or length of spoiled product needs to be isolated from good copy.

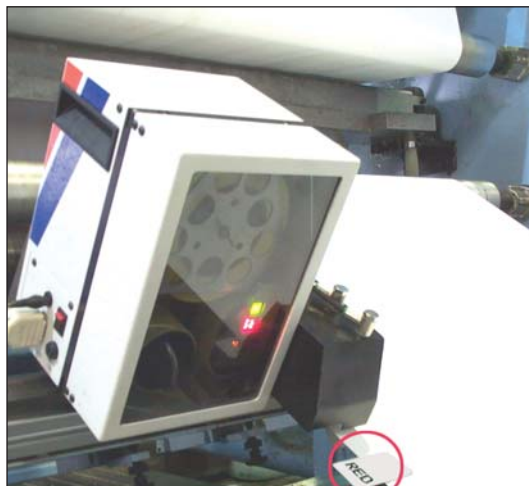
The RTIS 2 is easily operated via a pre-programmed control box. The box comes with six coloured manual fire buttons, each producing a three character printed "reason of fault" code. The printed code will assist in minimising waste by differentiating between, and warning of, possible print or product faults. These areas may have to be checked or removed before sending on to an end user or subsequent finishing process.

The RTIS 2 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 2 can be operated manually via the control box or a hand held remote firing unit (infra-red/radio frequency). RTIS 2 can also be triggered automatically by an external device such as a sensor or camera inspection system.

Installing an RTIS 2 eliminates the dangerous and inaccurate practice of hand flagging, an increasingly hot topic during health and safety evaluations.



RTIS 2 manual fire button box.



RTIS 2 unit and marker tab onto paper.



RTIS 2 unit firing onto vertical foil web.



RTIS 2 unit mounted upside-down, firing up onto laminate.



RTIS 2 marker tabs in a rewind web.



RTIS 2 mounted on a high speed foil application.

Typical Applications

Coating & laminating

Foil producers

Heat activated laminate film

Web printers

Flexographic printers

Converters

Reel-to-reel manufacturing processes

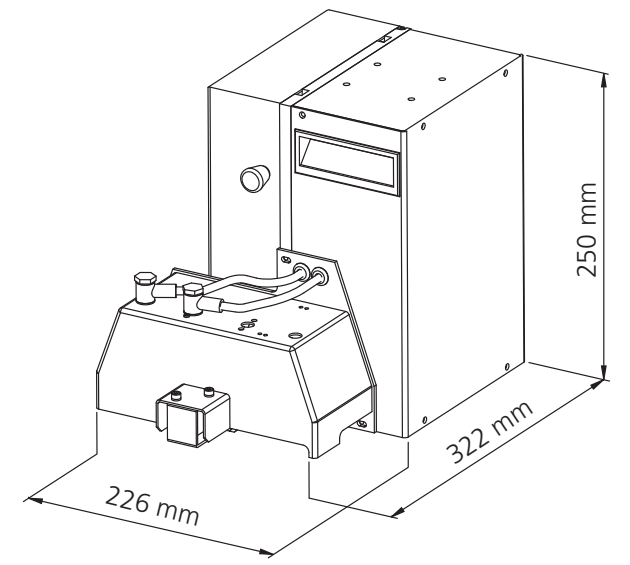
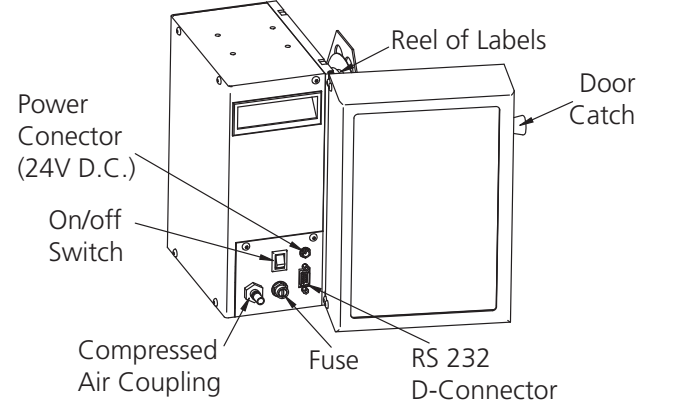
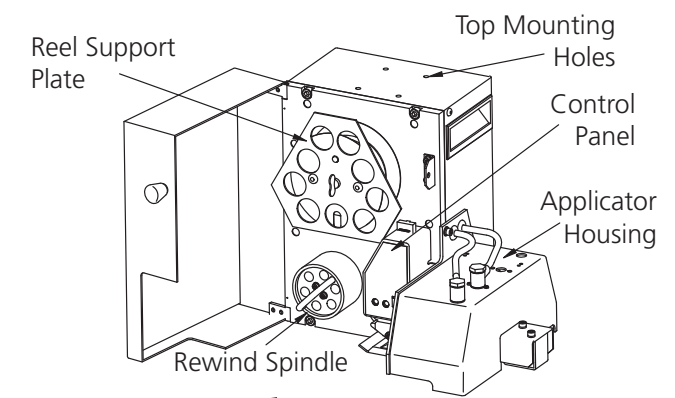
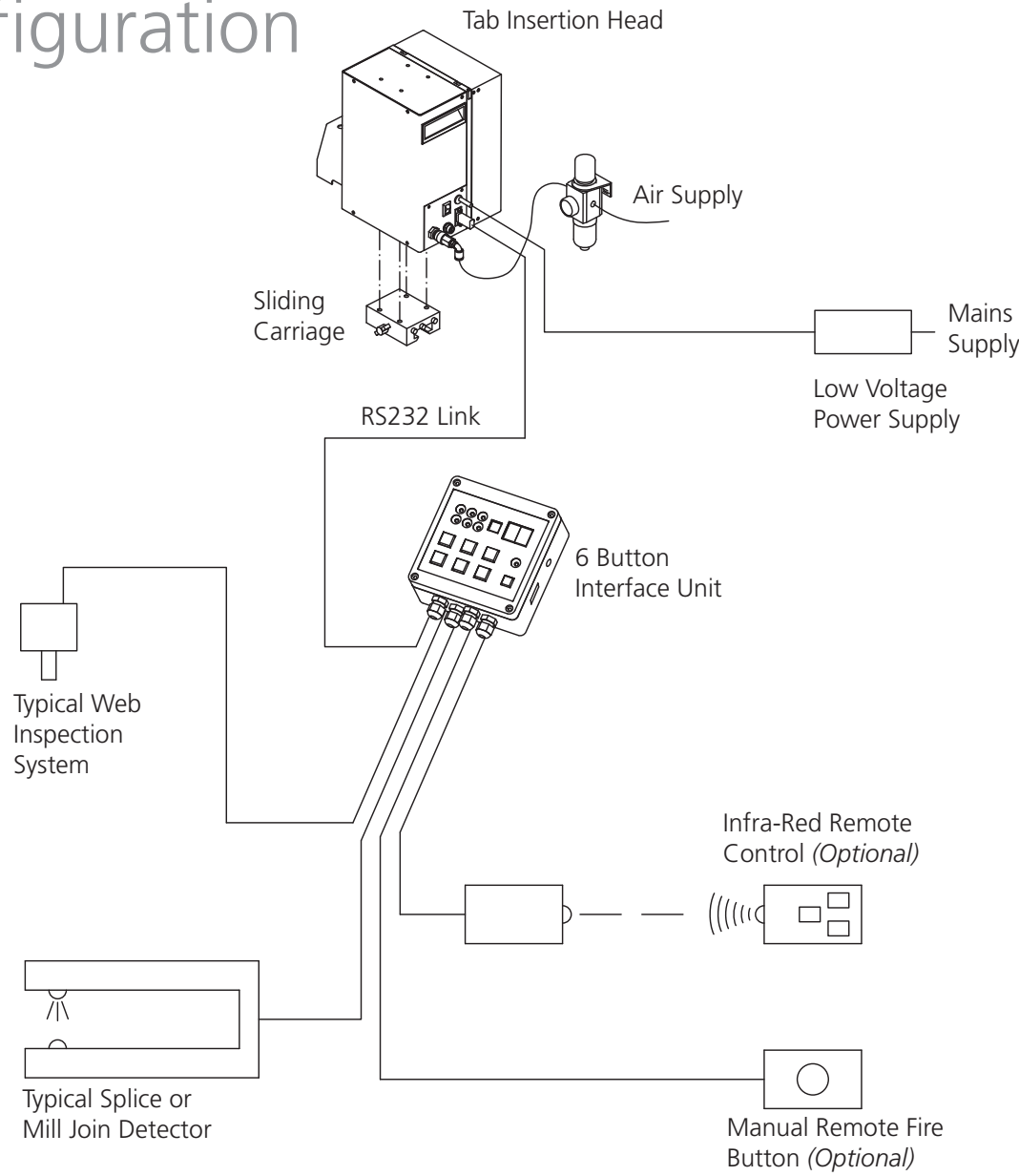
Features

- 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)
- Internal mini thermal printer to print 'reason of fault codes' onto the labels

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

Technical System Configuration



Technical Information

Specification	RTIS 2
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 second Minimum time between tab insertions: 1.1 seconds
Operating distance	The distance between the RTIS 2 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
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, 05A rms. @ 264V AC
Inputs to interface unit	6 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

* 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.



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