

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.

Vacuumatic 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:**

Vacuumatic 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.vacuumatic-rtis.com](http://www.vacuumatic-rtis.com)



# Proven design, renowned technology and innovation. The 3rd Generation of RTIS - The RTIS3



*RTIS 3 Off Web*

The RTIS3 is an important and valuable component within the quality management optimisation process when manufacturing web products.

Two different installation options (off-web / over-web) offer versatile mounting to suit the customer's requirements. With the availability of this option, costly production line alterations can be avoided in most cases.

The renowned compact design and modular structure of the RTIS3 enables future upgrades and easy addition of options.

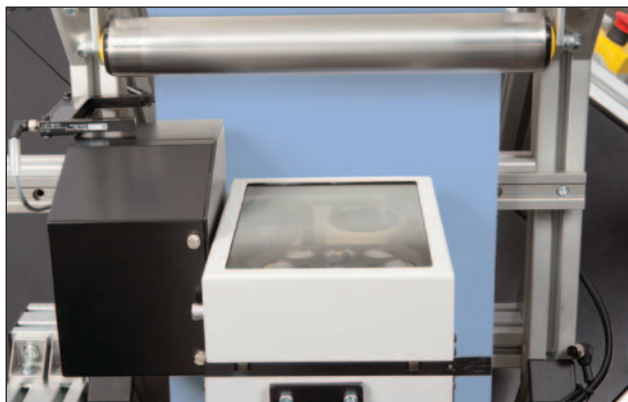
The RTIS3 can attach self-adhesive labels onto the moving web without physical contact so quality relevant areas can be marked and identified. The contactless labelling via our air pressure technology ensures no chance of damage to the web.

Depending on the selected interface box and printing options, various printing alternatives are available, i.e. Barcodes, QR, EAN, etc. Images or conventional 3 character type.

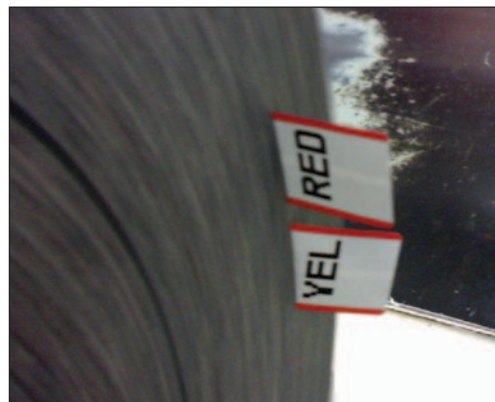
The optional printing software for self-programming codes offer the customer the possibility to design codes individually and modify them at any time.

The RTIS3 avoids dangerous and inaccurate hand flagging contributing to the prevention of accidents and ensuring the quality of the finished goods. Furthermore, it supports the optimisation process.

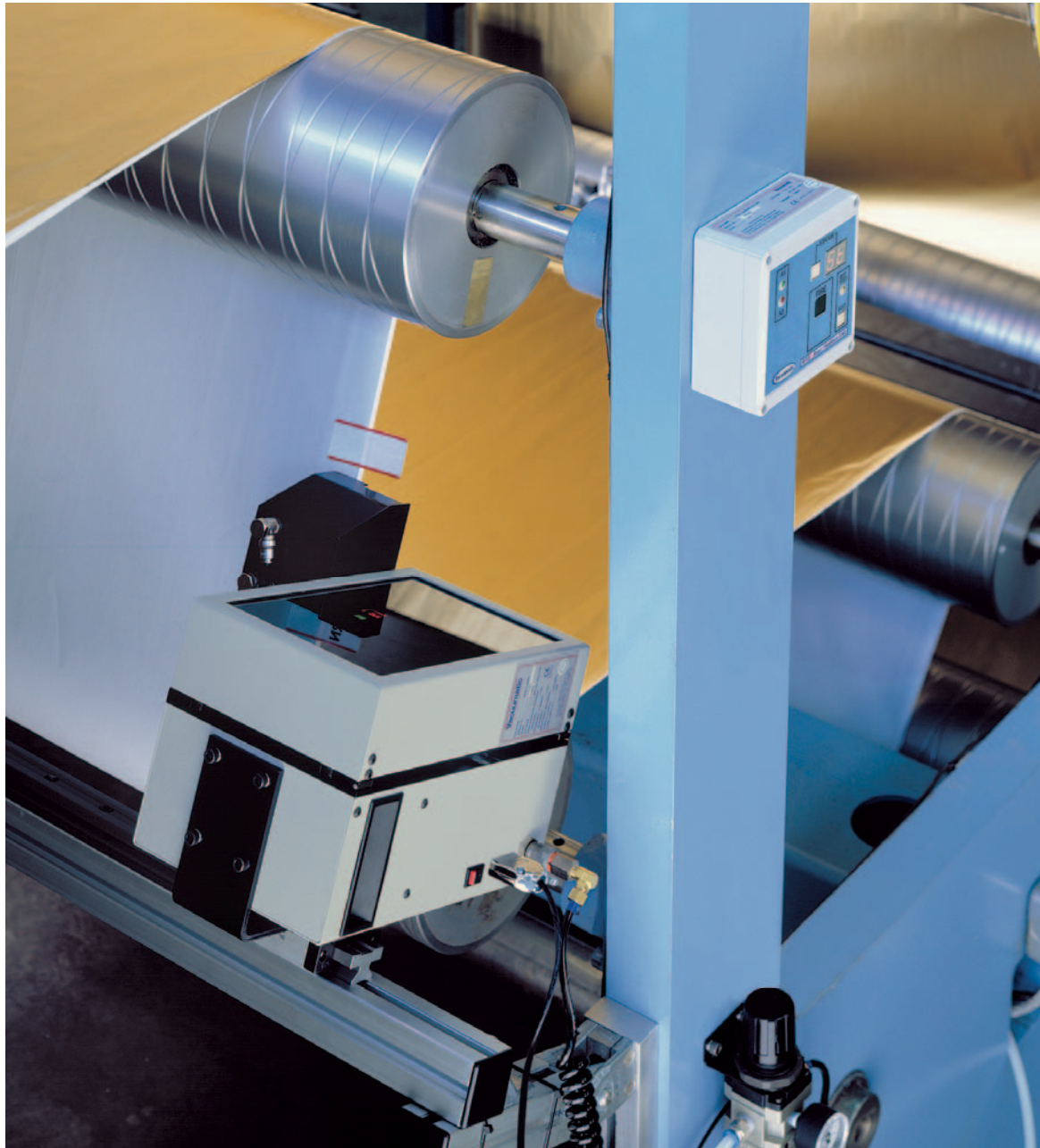
The team at Vacuumatic will be pleased to offer advice and information in order to specify the RTIS3 best suited to your requirements.



*RTIS 3 Over Web*



*RTIS 3 marker tabs in a rewind web*



*RT153 mounted on a high speed foil application.*

## Typical Applications

Coating & laminating • Foil producers

Web printers • Flexographic printers

Converters • Reel-to-reel manufacturing processes

## Features

- Modular design for future upgrades and easy addition of options
- Variable mounting options: off-web, over-web, in various orientations
- Service panel rotatable through 90°
- Compact design
- No contact with the web
- Accurate marking even at high speed
- Internal mini thermal-direct printer to print 'reason of faults codes' onto the labels (standard and advanced only)
- Manual / Automatic operating options

## Benefits

- Eliminates dangerous hand flagging
- Simple to setup and operate
- Improves efficiency
- Quality assurance of the finished goods
- Minimising waste
- Contactless operation prevents damage to the product
- Automatic operation ensures improvement in operational safety
- Fast return on investment

Technical drawings are available in various file formats upon request.

# RTIS3 Modular Design

## Basic Interface Unit

Automatic / Manual operation  
No print/no option



## 8 Button Advanced Interface Unit Options: Print:



## Standard Print Option:

3 letter code



## Advanced Print Option:

EAN, QR, etc.



## Advanced Print Option: Software:

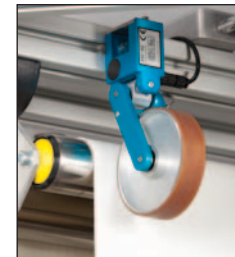
For self-programming of codes / images

## 90° Rotatable Service Panel



## Tacho Option

(Web meter not included)



## Optional: Beacon



## Optional: Missing Label Detection



## Further Options: RTIS3 Advanced

MIS-Software

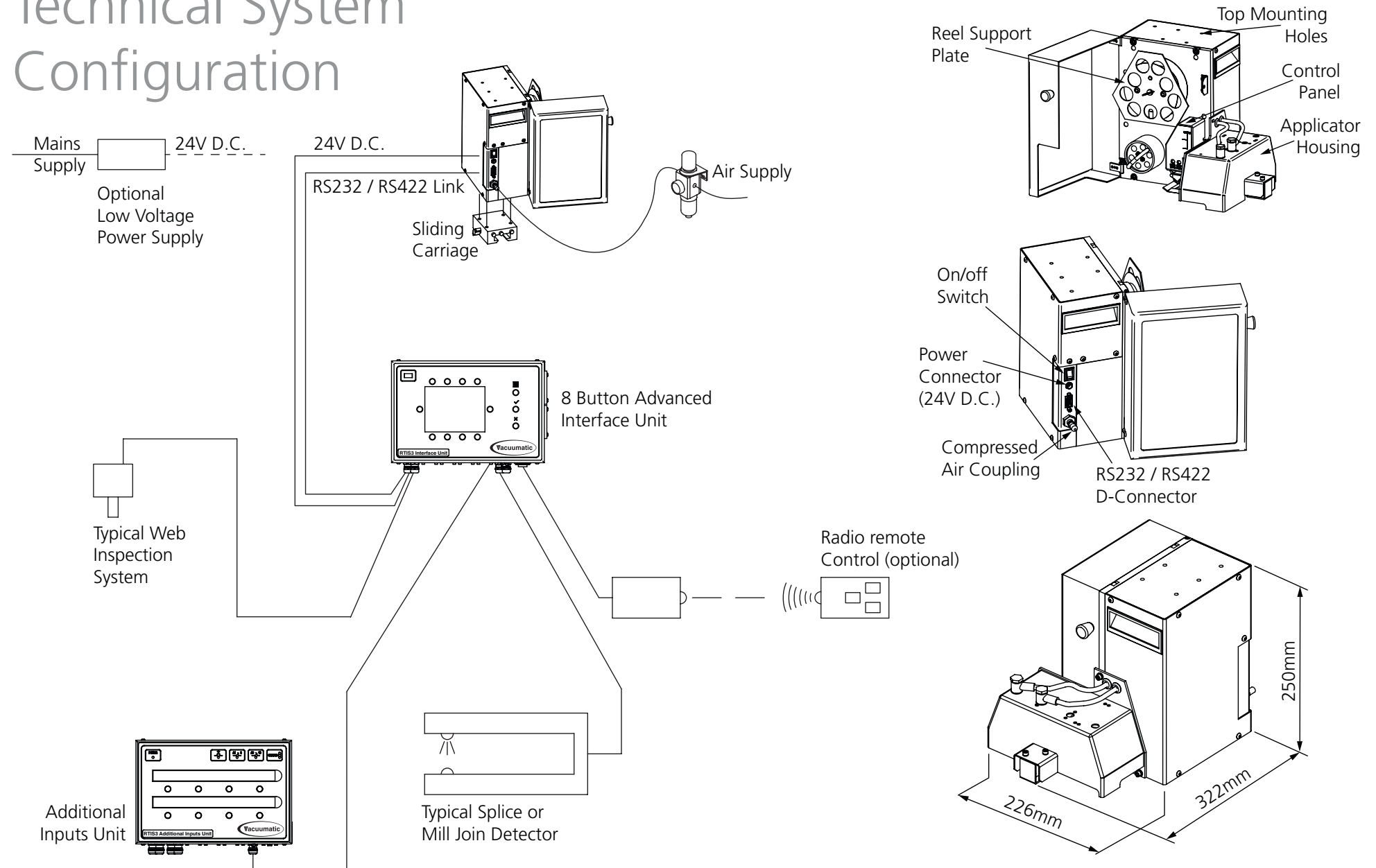
Additional Inputs Unit

Radio Remote Control

Multiple Head Control



# Technical System Configuration





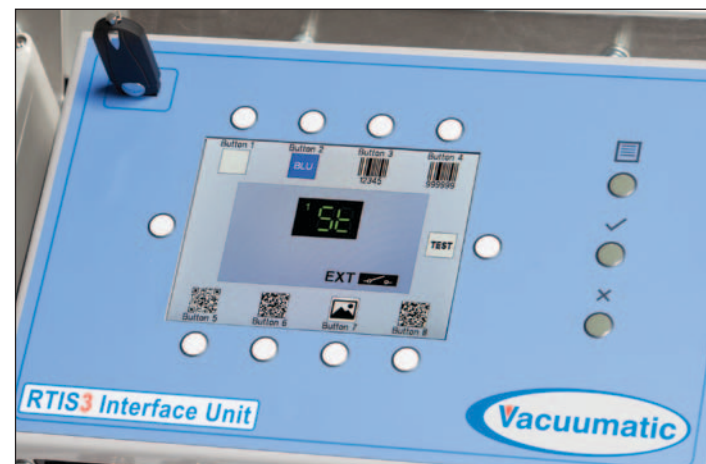
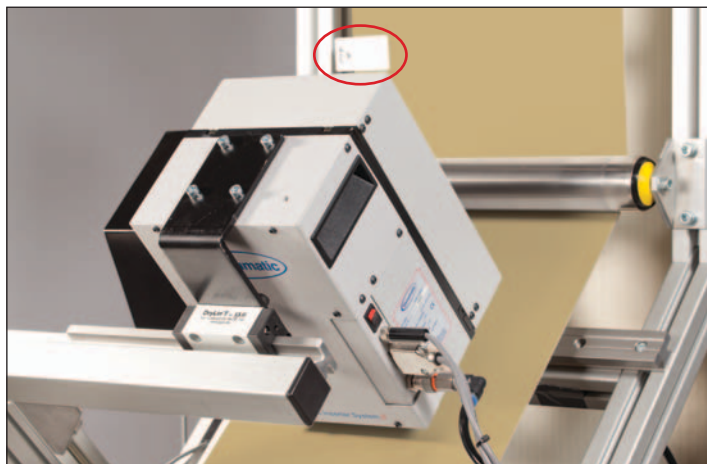
# Technical Information

Specification	RTIS3
<b>Speed*</b>	For web speeds of 0 to 600 metres/min. depending on web material and coating
<b>Cycle time **</b>	Time between a fire signal and the application of a tab typically: 1 second => No print, Standard print & 1D Barcodes 1.1 seconds => 2D Barcodes & Images Minimum time between tab insertions: 1.1 seconds => No print, Standard print & 1D Barcodes 1.2 seconds => 2D Barcodes & Images Timings for the Overweb version are 0.15 seconds longer
<b>Operating distance</b>	The distance between RTIS3 foot and the web should be 12 mm when in the firing position
<b>Marker tabs</b>	Material: Paper with self-adhesive backing (partially deadened in the area that protrudes from the web) Dimensions: Length 63 mm, Width 32 mm Protrusion from web: typically 30 mm Reel capacity: 1,000 tabs (approximately) Colour: white, white with red stripes, red, blue, green, yellow, further options upon request
<b>Airborne noise emissions</b>	72dB(A)
<b>Power requirements</b>	Electricity supply for label application: 90V AC to 264V AC / 63Hz via 3-pin IEC320 connector Input current: 1A rms. @ 90V AC, 0.5A rms. @ 264V
<b>Inputs to interface unit</b>	Basic Interface Unit: 1 x voltage free/NPN, 1 opto-isolated active input Advanced Interface Unit: 6x voltage free/NPN/PNP, 2 opto-isolated active inputs
<b>Inputs to Additional Inputs Unit</b>	12 x voltage free / NPN / PNP, 4 opto-isolated active inputs
<b>Air supply</b>	Filtered, unlubricated Pressure: min. 5 bar (70 psi), max. 8 bar (120 psi)
<b>Safety</b>	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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