



COUNTING SYSTEMS FOR THE SECURITY PRINTING AND PAPER INDUSTRY



# The World Counts on Vacuumatic

For over half a century the world has been enjoying the benefits of Vacuumatic's pioneering paper counting technology.

We are global leaders in the production of state-of-the-art paper counting, batch marking and tabbing equipment, from benchtop to flow-line units.

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 central banks, security and commercial printers, government departments, pharmaceutical houses and paper mills 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 is the only supplier in the world offering multiple counting technologies; pin-&-blade, rotary disc, optical and tabbing.

Vacuomatic has earned its reputation for precision and reliability; our customers know they can count on us to deliver.

[www.vacuomatic.com](http://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.

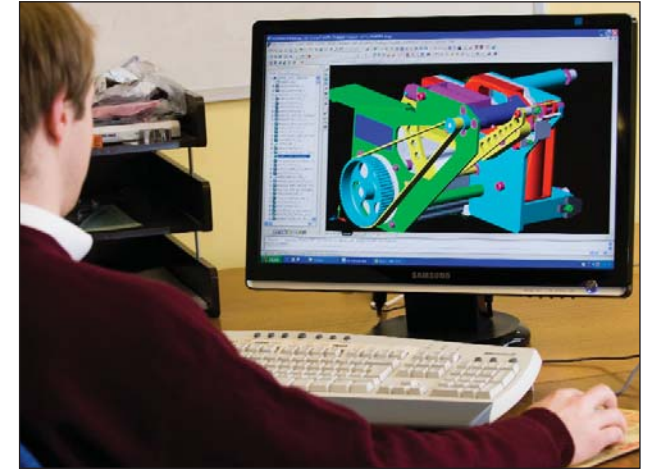
We have a clear focus on our R&D programme; regularly reviewing, upgrading and innovating our product inventory. Our history underlines our long term strategic commitment to progress in the field of paper counting - our stunning new Super 30, for example, is the fourth generation of twin head machines 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 counting technology with the added value of unrivalled after sales service and spare parts support.

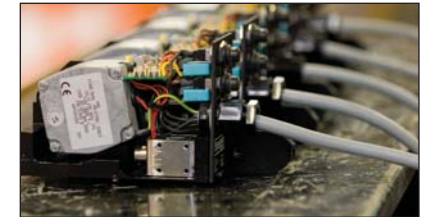
Vacuumatic consider customers to be long term partners rather than simply clients. We have a dedicated team of technical experts and spare parts coordinators working alongside a comprehensive network of distributors, covering the globe.

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. We are the only supplier that can offer both security and commercial clients a 'best practice' consultation to identify specific requirements.



## In-house Creativity, Dedicated Support and Customised Solutions



# Twin Head Sheet Counting Machines

## SUPER 30

The new Super 30 range forms the 4th generation of high quality twin-head sheet counting machines from Vacuumatic. Designed and developed entirely by Vacuumatic's in-house R&D team, Super 30 is the only twin-head machine available with either Disc or Pin-&-Blade counting technology, enabling clients to choose the method that best suits their materials or application. Feedback from key players in the Security Printing industry has been incorporated throughout the Super 30 design process, ensuring that this new model is the most complete machine in its field.

Icon based commands on a large colour touchscreen offer a huge step forward in user friendly operation. A stainless steel Airfloat table, heavy-duty jogging bars and improved pile guides ensure easier pile transport and preparation. Smooth head travel and fast resetting reduces count cycle times. All these factors drive increased productivity while maintaining the levels of accuracy that Vacuumatic has built its reputation on.

Super 30 incorporates the latest CANbus internal communications technology. Autodiagnostic functionality is improved, internal wiring and electronics are minimized. Coupled with a revised module layout for easier access, Super 30 becomes the most easy to service machine available. Modern, efficient pumps and motors consume less power than previous models; in addition, the entirely lead-free construction, makes Super 30 the greenest machine ever produced by Vacuumatic.

Super 30 from Vacuumatic:- The most flexible, reliable and durable twin-head sheet counting machine for the Security Printing and Paper industry.



*Easy access for maintenance.*



*Colour touch screen control.*



*Robust knock-up area and droop supports.*



## Typical Applications

Currency manufacturing

General security document production

Paper manufacturing

## Features

- Choice of counting technologies - Disc or Pin-&-Blade
- Colour touchscreen with icon based settings
- Easy pile preparation and transport
- Short count cycle times
- Onscreen autodiagnosics and easy service access
- Energy efficient components

## Benefits

- Handles both paper and polymer materials
- User friendly operation
- Accurate count results guaranteed
- Maximised productivity and throughput
- Eliminates hand-counting operations
- Environmentally friendly

# Banknote Counting Machines

## TORNADO

Tornado is Vacuumatic's flexible offering for the high speed note counting market. Available in two basic configurations and capable of being customized to fit within a client's individual process line, Tornado counts cut banknotes and cheques at speeds of up to 10,000 sheets per minute.

The standard benchtop Tornado is a compact, completely self-contained unit that has been supplied throughout the Security Print industry for over 10 years. The new mobile Tornado comes complete with its own counting table, enabling the machine to be moved and incorporated into any client's manual finishing and banding line.

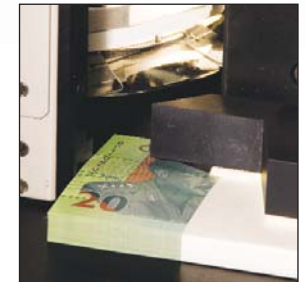
Tornado can also be integrated as a high-speed counting unit within an automatic note finishing and packing line. Each installation may be different in this case, so Vacuumatic experts are on hand to offer full support to clients considering this type of specialized application.



Benchtop Tornado



Mobile Tornado TCP-1C



### Typical Applications

Paper banknotes - loose or banded

Cheques

Other finished security documents

### Features

- Accurate at speeds of up to 10,000 spm
- 3 different versions available
- Reliable Disc counting technology
- Low noise level allows use within office type environments

### Benefits

- Highly efficient banknote processing
- Accurate count results guaranteed
- Flexible range to fit most process lines

# Technical Information

Specification	Super 30 PB	Super 30 D	Tornado
Counting technology	Pin-&-Blade	Disc	Disc
Maximum counting speed*	3,000 spm	5,000 spm	10,000 spm
Maximum counting speed with tabbing*	2,500 spm	3,000 spm	n/a
Count cycle time*	3 reams of 500 in 60 seconds	4 - 5 reams of 500 in 60 seconds	10 x 100 note packs in 20 seconds
Batch size	50 to 9,999	50 to 9,999	n/a
Maximum pile height	230 mm	150 mm	150 mm (1000 notes)
Material weight range*	25-240 gsm	60-210 gsm	60-120 gsm
Airborne noise	up to 78dB(A)	up to 78dB(A)	up to 78dB(A)
Maximum total count	9,999,999		
Maximum sheet/note format	1,050 mm x 800 mm		200 mm x 100 mm
Minimum sheet/note format	297 mm x 210 mm		90 mm x 45 mm
Electrical specification	230v/50Hz or 115v/60Hz		230v/50Hz or 115v/60Hz
Net weight	Approx. 400 kg		105 kg
Options	Tab insertion		RS232 download
	1000 mm deep table		Label printer
	RS232 data download		Audible/Visual warning
	Stamper unit		
	Audible warning		

\* All counting speeds, cycle times and paper weight ranges stated are the results of tests carried out under factory conditions. Actual results may vary depending on paper weight, quality and presentation. Other variables such as batch size, disc type or blade selection may also affect performance.

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



### Vacuumatic Ltd.

8 Brunel Way, Colchester, Essex, CO4 9QX, United Kingdom  
Tel: +44 (0)1206 841100 Fax: +44 (0)1206 841166  
Email: [enquiries@vacuumatic.com](mailto:enquiries@vacuumatic.com)

### Vacuumatic Maschinen GmbH.

Am Schornacker 41a, D-46485 Wesel, Germany  
Tel: +49 (0)281 33995 0 Fax: +49 (0)281 33995 20  
Email: [info@vacuumatic.de](mailto:info@vacuumatic.de)

### Vacuumatic Paper Counting Machines, Inc.

150 Engineers Drive, Hicksville, NY 11801, USA  
Tel: 1 800 683 6619 Fax: 1 516 822 8766  
Email: [info@vacuumaticinc.com](mailto:info@vacuumaticinc.com)

[www.vacuumatic.com](http://www.vacuumatic.com)

