Your Local Distributor:

COUNTING SYSTEMS FOR ITEMS OF FIXED AND MIXED THICKNESS
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 Vicount 3 range, for example, is the latest in a sixty year line of commercial counting 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.

Vacuumatic exports equipment to customers in over ninety countries and is the only supplier in the world offering multiple counting technologies; pin-&-blade, friction, rotary disc, optical and tabbing. Vacuumatic has earned its reputation for precision and reliability; our customers know they can count on us to deliver.
The TCF Series

The Thickness Compensating Friction feeder (TCF) offers users the opportunity to count and batch a wide range of products and materials that are difficult or impossible to count using traditional methods. Typical applications include the feeding and counting of envelopes (empty or stuffed), booklets, cards, bags and labels up to approximately C4 envelope size.

It has the great advantage of minimal set-up times when the work varies from batch to batch, or where thickness varies from item to item. Examples of this are filled envelopes where contents may vary or booklets where the number of pages is not constant.

The open construction of the machine enables the possibility of integrating a barcode reader or inkjet printer on the output, and it would also allow the unit to be easily added to an existing conveyor or process line.

The TCF is available in two forms:
- as an in-line feeder for integration with other equipment.
- as a stand-alone feeder mounted on a stand with an integral delivery tray for counting and batching.

Versatility for counting mixed thickness items

Features
- Variable item counting
- Unique self-compensating separator
- Minimum set-up required
- Adjustable speed
- Stack sensor

Benefits
- Suitable for counting a wide range of applications and materials
- Accurate count results guaranteed
- User friendly operation
- Copes with variable items in one set-up
- Efficient to run, minimised downtime

Typical Applications
- Envelopes, filled or unfilled
- Polywrapped Magazines
- Booklets / Brochures (Pack Folded)
- Labels / Pharmaceutical Inserts (Folded)
- Die-cut Cards / Paper Bags
- CD’s in Covers
- Credit cards / Exam Papers / Green Cards

Quick and easy set-up.
Technical Information

Overall Weight
- In Line Feeder: 20.7 kg
- Stand-Alone Feeder: 32 kg

Input Voltage Range
- 90-264 VAC, 47-63 Hz

Max. Input Current
- 1.7A at 115VAC, 0.9A at 230VAC

No Load Input Power
- less than 0.5W

Output Power
- 180W max.

Output Voltage
- 24 VDC

Width of Sheet Leading Edge
- 56 to 325mm

Length of Sheet in Direction of Feed
- 85 to 325mm

Batch size
- 1 to 9999

Sheet Thickness
- up to 5mm

Hopper Capacities Stack Height
- up to 230mm

Total Stack Weight
- up to 5kg

Delivery Tray Capacity (where fitted)
- up to 115mm

SPEED
- The output belt speed of the feeder is operator adjustable up to 1.8m/s
  The output rate is dependent on the size of the sheet being fed. Typically, an A5 size sheet fed long edge first could output at up to 8 sheets per second.

Standard Features:
- Selectable Count Options:
  - Count Mode
    - Simple Batch Mode
    - Advanced Batch Mode
  - Selectable Start Options:
    - Manual Start
    - Automatic Start
    - External Start
    - Cleaning cycle
    - Contrast adjustment

Some possible system options/ideas

Two or more feeders can be linked together. One for batching once the batch size is complete, a signal is sent to the conveyor which stops along. Once in position the second feeder will then receive a signal to feed either a cover sheet or a batch of a second item, and the first feeder will receive a signal to feed a new batch simultaneously.

The above are suggestions for integration of the TCF in line version. Please contact us to discuss your exact requirements.