

Uchida Thick Paper Counting Machine

Countron AT

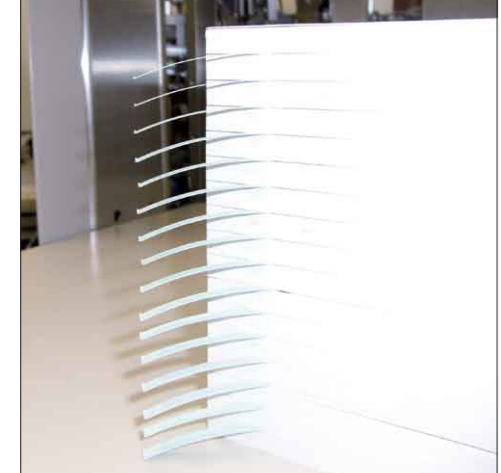
"Uchida New Thick Paper Counter model Countron AT is newly introduced with pretty unique functions and features. Excellent twin-blade counting system enables Countron AT to count thick board without any corner bent, which is useful for finished items as Greeting Card, Post Card and etc. Counting finished items saves double counting process before and after cutting. Inserting tab tape into finished items saves vain labor to separate items every batch. Both functions are directly relating to save costs, time and keeping accurate numbers.



① Countable up to 400g/m²
 Countability is up to 400g/m² papers. They are able to count not only ordinary paper but also Greeting card, Postcard and various thick papers. Lots of market demands are satisfied with this newly designed paper counter.

② Quick suction chip changing
 Exclusively designed suction chip enables easy suction chip changing without any tools and troubles.

③ No counting marks
 Twin-blade counting system prevents corner bending and marking on counted paper, which is useful for counting quality papers and finished items.



Countron 2200HS (Renewal) & Countron T-350

(High-performance, high-speed sheet counters.)
 Countron 2200HS is newly designed as successor of Uchida Countron 2200, which is able to count up to 2,500 sheets per minute.

① Accuracy and high speed
 Accurate, high-speed counting is assured for various qualities and thicknesses of paper such as offset paper, coated paper, and thin invoices.

② User-friendly operation
 The Countron can start and finish counting paper automatically just by loading paper on the table. It can also start counting at the push of the start button.

③ A wealth of functions for various counting applications
 Functions available in addition to normal counting mode include :
The random tab insertion function for various numbers of sheets for inserting tab tapes, **the sheet-number check function** which checks when the actual counted number of sheets matches a preset number of sheets, and an **appointed number counting systems** which helps set aside a desired number of sheets from a stack of paper.

④ Self-diagnostics for easy identification of troubles
 The self-diagnostic function, clearly informs, the user of mis-operations or abnormal operating conditions by displaying the error on the operation panel.



Countron 2200HS
 ● Countron 2200HS is much improved counting speed than Countron 2200. Countron 2200HS is able to count up to 2,500 sheets/min.
 ● Higher counting speed may suit to various requirement in market to count faster and faster. This enables cost and time saving.
 ● Wide range of paper quality from 22 to 255g/m²
 *Optional devices may be required over 210g/m² paper.



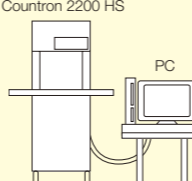
Countron T-350
 ● Space-saving compact table-top design
 ● Optional machine table is available.



T-350 with machine table

Optional software for counting record

- By using a PC, the operation date, details of the counting job, and operator name can be recorded and printed out.
- With another optional software of random tab insertion, a counting job and a random tab insertion job are pre-programmable on PC.



Job Name	Operator Name	Date	Total sheets	Date
1	A	2002	100	2002.10.10
2	A	2002	200	2002.10.11
3	A	2002	300	2002.10.12
4	A	2002	400	2002.10.13
5	A	2002	500	2002.10.14
6	A	2002	600	2002.10.15
7	A	2002	700	2002.10.16
8	A	2002	800	2002.10.17
9	A	2002	900	2002.10.18
10	A	2002	1000	2002.10.19

Note: PC, printer and PC rack are prepared is customer side.

Countron Twin

(Double-headed paper counter where extremely accurate counting or multiple counting are required.)



Countron Twin
 Enhanced accuracy and reduction of counting time with double-headed counter.

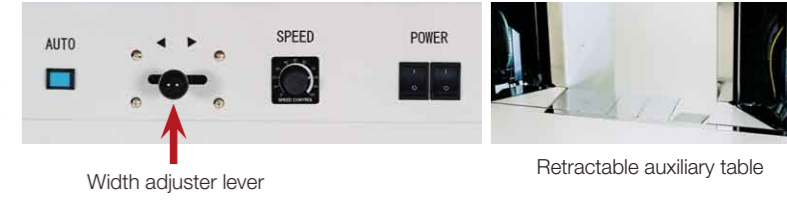
④ Automatic positioning of the counting head
 Adjustment to various paper sizes is easier as the movable side head is controlled electronically by the width adjuster lever. The retractable auxiliary table appears between both counters as the movable side counter is moved.

① Simultaneous counting at two corners
 As two corners are counted simultaneously, counting accuracy is extremely high. This also goes halves the counting time, when verification by a second count is required.



② Independent use of two heads
 The right and left counters can be used separately, enabling two different jobs to be managed simultaneously.

③ Tab tape insertion assurance
 Tab tapes can be inserted from both heads, so the inserted position can also be double-checked.

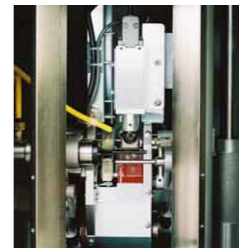


Countron Eye

(Paper counter that detects print quality, skipped printing and collation errors.)



① Rapid page counting and print quality detection at 1,000 sheets/min.
 Detection marks preprinted on the edge of each sheet and illuminated by a strobe enable detection of the overall print quality on each sheet. A high-resolution sensor instantly detects mis-positioned printing, inconsistencies and skipped printings.



② Collation software (optional) for detecting collation errors
 The collating software automatically detects collation errors such as dropped pages, double pages, sequence errors and mixed printing paper.

③ Data storage for 8 colors on one side of the paper is possible : a total of 16 colors on the front and back sides of the paper.

④ The memory function permits easy storage of previous lot checking standards, and prompt identification of discrepancies between previous and current lots.

⑤ The results of each detection and counting operation are printed out as a permanent record and check-list.



Countron Eye
 Countron Eye eliminates the need for manual print checks, collation checks and sheet counting.



Countron Twin Eye
 Countron Eye with a double-headed counting machine is also available.

Optional accessories for Countron



Optional tables

Large table

800 x 800 mm (31.5" x 31.5")
720 x 1,020 mm^(*) (28.3" x 40.2")
1,000 x 1,000 mm^(*) (39.4" x 39.4")

Small table

582 x 582 mm (22.9" x 22.9")

Air table^(*)

1,000 x 1,000 mm (39.4" x 39.4")
800 x 1,200 mm (31.5" x 47.2")

Folding table

900 x 900 mm (35.4" x 35.4")
900 x 1,200 mm (35.4" x 47.2")

(*) : Optional supporting leg for large table is available for 720 x 1,020 mm and 1,000 x 1,000 mm size tables.

(*) : Air table for Countron Twin is available. The table size is the same as the standard table for Countron Twin.

Counting blade for Countron T-350, Countron 2200HS, Countron Twin and Countron Eye

There are four blade types prepared. Select proper blade type according to paper quality. It is critical component for accurate counting. The following table shows corresponding blade types for paper weight and quality.

Suction blade No.	1	2	3	4
Shapes				
Paper quality	22~52g/m ²	52~104g/m ²	104~157g/m ²	157~210g/m ² (*)
Main kind of paper	Copy paper, Pure-white rolls, Paper of fine quality, NCR paper	Paper of fine quality, OCR paper, Form paper, NCR paper, Tucked paper	Paper of fine quality, Art paper, Coated paper, Drafting paper, Post cards, OCR paper	Paper of fine quality, Art post paper, Coated paper, OCR paper,

(*) : Optional counting blade may be required over 210g/m² paper for Countron 2200HS.

Suction chip for Countron AT

New solution "suction chip" are equipped on Countron AT. It enables easy suction chip changing without any tools in a few seconds. There are two types "suction chip" prepared. The following table shows corresponding chip types for paper weight and quality.

Suction chip No.	1	2
Paper quality	80~150g/m ² (*)	150~400g/m ² (*)

(*) : It depends on the paper weight, thickness and condition.



Inserting tape

The tape is compatible with all models.
The size is 6 mm (W) x 100 m (L).

Specifications of Countron Series

Countron 2200HS and T-350

Model	Countron 2200HS	Countron T-350
Counting speed	0 to 2,500 sheets/min.	0 to 1,500 sheets/min.
Countable paper quality	22 to 255g/m ² (*)	22 to 128 g/m ²
Paper size	Max.: 546 x 788 mm (21.5" x 31.0") Min.: 100 x 150 mm (3.9" x 5.9")	Max.: 300 x 420 mm (11.8" x 16.5") Min.: 55 x 90 mm (2.2" x 3.5")
Paper stacking height	Max.:300 mm (11.8")	Max.:120 mm (4.7")
Tab tape insertion	Every 2 to 1,000 sheets	Every 2 to 1,000 sheets
Height of work table	760 mm (29.9")	290 mm (11.4")
Power source	110, 115, 220, 230, 240 VAC (single phase), 50 or 60 Hz	
Power consumption	600 W	350 W
Dimensions	900W x 1,086D x 1,404H mm (35.4"W x 42.7"D x 55.1"H)	440W x 703D x 695H mm (17.3"W x 27.7"D x 27.4"H) ^(*)
Net weight	175kg (386lbs.)	80kg (176lbs.)

(*) : Optional counting blade may be required over 210g/m² paper. For ordinary offset paper, up to 210g/m² may be counted. For coated paper, up to 255g/m² may be counted.

(*) : When the optional machine table for T-350 is connected, the total machine height becomes 1,315 mm.

Countron AT

Counting speed	0 to 1,500 sheets/min.	
Countable paper quality	80 to 400g/m ² (Thickness 0.40mm) (It depends on the paper quality)	
Paper size (Single head use)	Max.	546x788mm (21.5"x31.0")
	Min.	100x148mm (3.9"x5.8")
Paper stacking height	Max : 220mm (8.6")	
Tab tape insertion	Every 2 to 1,000 sheets	
Height of work table	760mm (29.9")	
Power source	110, 115, 220, 230, 240VAC (Single Phase), 50 or 60 Hz	
Power consumption	620 W	
Dimensions	900Wx1,086Dx1,404H mm (35.4"Wx42.7"Dx55.1"H)	
Net weight	194kg (428lbs.)	

Countron Eye

Type of software	Print quality check	Page sequence check
Type of detections	<ul style="list-style-type: none"> Misaligned printing Skipped printing Color inconsistency Paper quantity check 	<ul style="list-style-type: none"> Dropped pages Double pages Page sequence errors Mixed printing papers Paper quantity check
Counting speed	Eye mode Counter mode	1,000 sheets/min. 2,200 sheets/min.
Countable paper quality	22 to 210g/m ²	
Paper size	Maximum Minimum	546 x 788mm (21.5" x 31.0") 100 x 150 mm (3.9" x 5.9")
Paper stacking height	Maximum	300 mm (11.8")
Precision of error detection	± 0.05 mm (± 0.002")	
Required printing density	PCS 0.1 or over (under white light)	
Tab tape insertion	Every 2 to 1,000 sheets	
Height of work table	760 mm (29.9")	
Power source	110, 115, 220, 230, 240 VAC (single phase), 50 or 60 Hz	
Power consumption	600 W	
Dimensions	900W x 1,086D x 1,404H mm (35.4"W x 42.7"D x 55.1"H)	
Net weight	175kg (386lbs.)	

Remarks : PC, printer, and PC rack must be prepared locally.

Specifications and subject to change without notice.

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UCHIDA

PAPER COUNTERS

Countron series



The countron series makes full use of Uchida's

advanced mechanical technologies. The series newly includes the model Countron AT, which has equipped unique twin blade counting system for thick board without corner bent and scratches, the Countron 2200HS, which features high-precision and high speed counting up to 2,500 sheets/minute, the Countron T-350, a compact table-top type, the Countron Twin, a double-headed type that offers more precise counting result by double checking and the Countron Eye, which specializes in detecting skipped printing and collation errors.

UCHIDA YOKO CO., LTD.

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