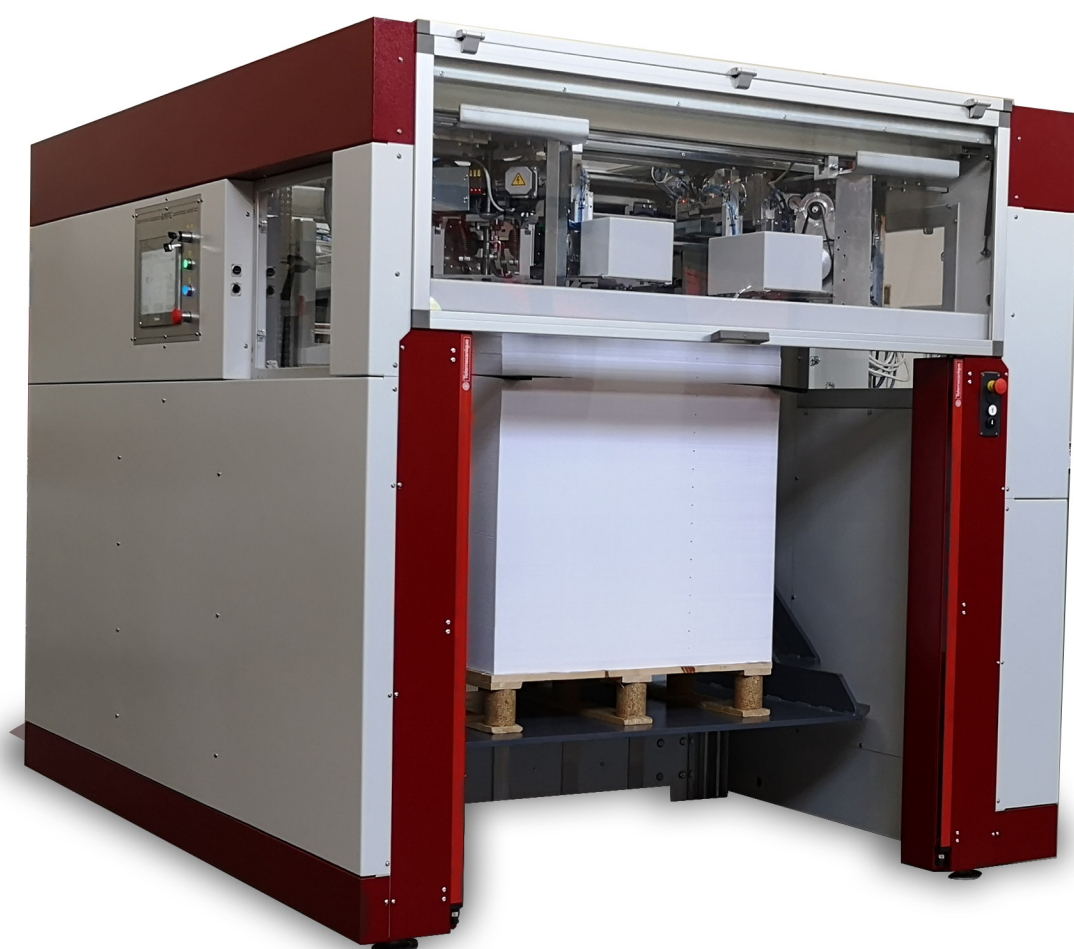


PACK MOVER ADR 32 100 TH ***AUTOMATIC SHEETS COUNTER FROM THE PILE***



**The innovative solution for sheets counting automation of piles
of security and currency sheets**

UP TO A 2400 SHEETS/MIN
FROM 70 TO 300 GSM FOR PAPER, CARDBOARD AND PLASTIC SHEETS
NO SCRATCH AND NO CURL TECHNOLOGY

What is it

The "PACK MOVER ADR 32 100 TH" is an automatic counting machine capable of counting and moving reams of sheets directly from the pile. This model performs the counting and, before moving the ream from the pile, performs a physical check of the counting between the two heads. The "PACK MOVER ADR 32 100 TH" uses the ADR 32 technology, developed in over 30 years of experience, the only one that does not scratch and does not bend the corner and is able to count a wide range of thicknesses for both paper and plastic sheets.

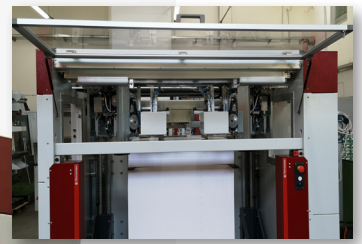
How it works

1. You program the number of sheets of the ream and other parameters
2. The loading procedure is carried out by inserting the pile of sheets at the center of the input platform through a hand pallet truck.
3. The pre-start procedure is performed by raising the pile to the counting level and setting the size. * **
4. When the machine is started via the operator panel, the two ADR 32 heads count on the two corners.
5. Once the count has been completed, a physical check is performed to ensure the "Correct Count".
6. At this point a sophisticated group of grippers moves the ream and shifts it to the delivery station.

In the delivery station, depending on the machine model, the counted reams can be stacked on the pallet and possibly separated with the insertion of tabs, or deposited on a conveyor that conveys them to the next processing station.



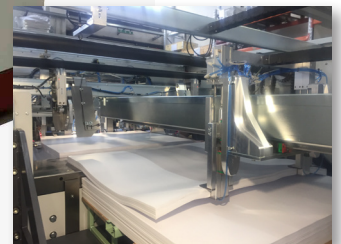
Physical check for "Correct Count" with optic fiber



Twin head counting assembly



Easy Pile Loading



Ream shifting by brushless motorized grippers

Benefits

- It counts entire pallets of security sheets and divides them into reams ready for packaging.
- It eliminates the hard manual work of loading and unloading reams, which is necessary for counting with traditional sheets counters, which can often induce pathologies to the operators over time.
- It allows: to check the quantity of sheets present in the warehouse (model with outlet stacker) simplifying the control procedures for the security and currency sheets; or to divide a pallet of sheets into reams, of a certain and verified quantity, ready for delivery or for subsequent processing steps like packaging, wrapping, banding or cutting.
- It allows a more rational organization of the warehouse and of the in/out flows of security and currency sheets.
- As a modern sheets counter with state-of-the-art technology, it contributes to strengthening the image of your production plant's efficiency towards your current customers and / or new potential customers.
- It is an indispensable tool for a modern production plant in the security sector, but also for productions in the converting sector.

Note:

* It is necessary to verify, by means of the laser pointer supplied with to the machine, the correct alignment of the surface. If the surface deformations exceed the tolerated values it is necessary to correct them by inserting wedges between the sheets.

** The size changeover in the standard model is done manually in a few minutes, simply by adjusting the position of the counting heads on linear guides. In option it is possible to have the motorized format change. Pile changeover times are a few minutes. The ream counting and displacement cycle is about 25 seconds for 250 sheets (90 GSM paper in good condition).

Technological solutions

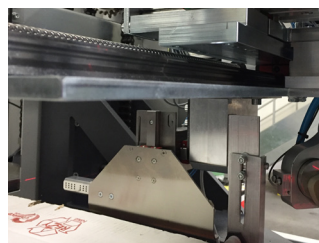
- During the pre-start procedure, raising the pile to the level, the motorized pile-alignment system centers the top of the sheets with respect to the counting heads.
- A laser pointer facilitates pile surface equalizing.*
- During counting the motorized pile-alignment system continues to align the top of the pile with the counting heads.
- During counting, a system of automatic joggers, with special air nozzles, further aligns the top of the pile.
- Once the counting through the two ADR 32 heads has been completed, a physical check is carried out that ensures the "Correct Counting" by means of an optic fiber sensor between the two heads. In the case of correct counting, the following steps are performed, otherwise the counted stack is left in place and the count is repeated for a programmable number of times.



Linear movements on balls recycling guideways.



Laser pointer for pile surface equalizing



Automatic joggers with special air nozzles



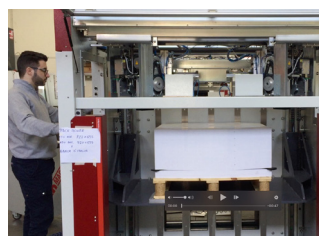
Motorized pile-aligner system with sensors



Delivery with automatic stacker



PLC with 120 In/Out, 8 servo-drives and 2 safety modules



Ergonomic machine with inspections windows



Wide operator panel

Available models with twin heads

"PACK MOVER ADR 32 100-SK2" OUTPUT ON PALLET: the counted reams are stacked on an outlet platform and can be separated by inserting tabs.


"PACK MOVER ADR 32 100-CV2" OUTPUT ON CONVEYOR: the counted reams are deposited on an outfeed conveyor to be forwarded to subsequent processing steps such as wire stitching, banding, etc. .

Functions and characteristics			
Description	Value	Description	Value
Counting speed Max.	2400 sheets/min*	Brushless motorized grippers	X
Pack shifting time.	15 sec*	Laser pointer for pile surface equalizing	X
Pile replacement time.	5 min*	Active joggers with air nozzles**	X
Counting precision	100%*	Motorized pile-aligner system +/- 30 mm**	X
Sheets range	70÷300 GSM**	Automatic size changeover	O
Sheets size Miin.-Max.	480x680-730x1030 mm	Dimensions	2700x2200x2200 mm
Pack height. Min. -Max.	1-55 mm	Weight	3000 kg
Inlet pile height with pallet Max.	1300 mm	Power	400 VAC-15 A
Pallet size Max.	1200x800 x mm	Compressed air pressure and flow	7 bar-100 l/min
* The technical data and descriptions are indicative and may vary depending on the type of paper, the machine model and B.Matic development process. ** For the thickness of the sheets, stack deformation, surface deformations of the sheets and tolerances, refer to the Use and Maintenance Manual. The images and photos shown are purely representative. Detailed information is indicated only in the machine's Use and Maintenance Manual.			


Operator Panel Function			
Description	Value	Description	Value
N. of sheets per ream	999	Alarm list	X
Total N. of reams	999	Quick alarm banner	X
Total N. of sheets	99999	Ream shifting programming depending on sheets size	X
Repeat counting programming in case of error	X	Diagnostic	X
Guided start process	X	Data export	X

Additional B.MATIC products


"Protec TWIN HEAD ADR 32" models with ADR 32 Technology for security and high security counting

Model	Type	Sheets/min.	GSM	Sector	Picture
Protec ADR 32 TH (SH)	L	3.000	40/300	Security	
Protec ADR 32 TH (SH)	H	2.400	200/800	Security	
Protec ADR 32 TH (SH)	W	3.000	40/800	Security	

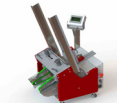
"Protec ADR 32 ST" models with ADR 32 Technology for Commercial Printing

Model	Type	Sheets/min.	GSM	Sector	Picture
Protec ADR 32 ST	L	3.000	40÷300	Commercial	
Protec ADR 32 ST	H	2.400	200÷800	Commercial	
Protec ADR 32 ST	W	3.000	40÷800	Commercial	


"Protec ADR 32 CM" models with ADR 32 Technology for Commercial Printing

Model	Type	Sheets/min.	GSM	Sector	Picture
Protec ADR 32 CM	1	1.400	40/150	Commercial	
Protec ADR 32 CM	2	2.400	40/250	Commercial	
Protec ADR 32 CM	3	2.400	40/500	Commercial	

"F320" models with OCS Technology

Model	Type	Mt/min.	Thickness	Sector	Picture
F 350	Counter S	200	0,1-10 (mm)	Converting/Packaging	
F 350	CS Vision	200	0,1-10 (mm)	Security/Packaging	
F 350	CS Marker	200	0,1-10 (mm)	Converting/Packaging	

"TAB-INSERTER" models with DUAL RIBBING Technology

Model	Tabs/sec.	Tape length- GSM	Sector	Picture
TAB-IN MDX / MSX	3	200 m - 80 GSM	Converting	
TAB-IN Counter	3	200 m - 80 GSM	Commercial Printing	
TAB-IN Push	3	200 m - 80 GSM	Converting	

For detailed specifications, please refer to the dedicated literature, web site and YOUTUBE channel



Dealer area

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Cod: 660DBR0

Security