ADR 32 *Counting Head Technology*

PROTEC ADR 32 TH (SH)

SHEETS COUNTING MACHINE FOR HIGH SECURITY COUNTING

DESIGNED FOR BANCKNOTES, SECURITY PAPER, AND SECURITY DOCUMENTS.

3.000 SHEETS PER MINUTE EVEN WITH TAB-INSERTION
NO CORNER CURLING AND NO SCRATCHING
FROM 40 TO 800 GSM
QUICK AND SIMPLE CHANGEOVER FROM THIN TO THICK SHEETS

Security

Security Sheets Counters

"PROTEC ADR 32 TH (SH)"
Sheets counting machine for High Security Counting

Protec ADR 32 TH (Twin Head) is the sheets counter of *Protec Line* equipped with two counting heads with **ADR 32** high performance technology. Any difference among these two countings is detected and an alarm raised blocking the ream by pneumatic clamps to guarantee the reliability required in security printing.
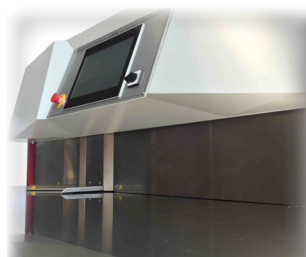
It can count on a single head or on two heads simultaneously and counts without corner deformation nor scratches. The counting is done from top downwards.

System programming interface via big touch screen high resolution text free with icon and symbol based dialogue for universal use.
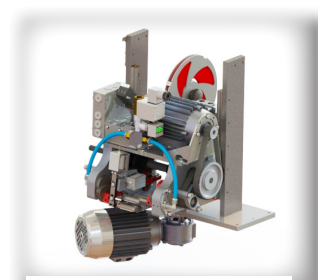
This is an extremely robust machine (600 Kg of solid steel) mechanically designed for a professional and durable use.

Three versions are offered, depending on substrate weight as showed by the chart next page.

*Protec ADR 32 SH (Single Head)*is the model with single head but keeping the same structure, technology and solutions designed for the security and high security counting of *Protec ADR 32 TH* .

STAINLESS STEEL BLOWING TABLE AND PROTECTION GUARD

ADR 32 TECHNOLOGY

HD TOUCH PANEL 13,5"

DESIGNED FOR SECURITY COUNTING

ADR 32 TECHNOLOGY

Based on our 25 years long experience in sheets counting, at the end two years of research and development, we have realized the New Counting Head with "ADR 32" technology that keeps the key benefits of previous DUAL SYSTEM counting by twin vacuum palette without corner deformation nor scratching and the widest counting range on the market.

ADR 32 can count sheets from 40 to 800 GSM and insert separation tabs at a speed reaching up to 3.000 sheets per minute thanks to a revolutionary mechanical core and to a latest generation optic fiber electronic.

This technology has been designed and realized to meet the severe standards of **currency sheets counting** but is perfect also for the commercial printing, converting and packaging applications.

These are the key features:

- Anti-scratch and anti-curl system (the counting head does not press the sheets with its own weight keeping about 0,2 mm off).
- Completely redesigned mechanical core counting and tabbing up to 3.000 sheets / minute.
- Optic fiber system on each head, for reliable and precise counting.
- "Easy clips" system to change from thin to thick substrate (or vice versa) in just a few seconds.
- Counting paper, cardboard and plastic sheets from 40 to 800µM.
- Stabilizer system to count accurately paper with deformed corner surface.
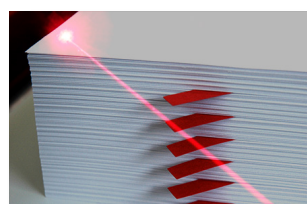
Do not miss the live demos on our YouTube channel through **www.bmatic.it**

NO SCRATCHES

NO CURL

OPTIC FIBER TECH

3.000 SHEETS/MIN

Security Sheets Counters

"PROTEC ADR 32 TH (SH)"
Sheets counting machine for High Security Counting

Standard Functions

The technical data valid for Protec ADR 32 TH (Twin Head) and Protec ADR 32 SH (Single Head)
- Working mode: single head / on two heads simultaneous counting.
- Counting with or without accruing the pack total into a general total.
- Setting of a target value and alarm in case of different counting.
- Machine advising the suitable settings for the current job.
- Storing up to 8 counting settings.
- Periodical maintenance deadline notification.
- Pneumatic blocking of the ream in case of counting error.
- Simultaneous counting of the packs on two corners with alarm in case of error (only for Protec ADR 32 TH (Twin Head)

Functions and Characteristics			
Model	**Protec ADR 32 TH (SH)**		
Type	**L**	**H**	**W**
Anti-scratch and anti-curl technology	X	X	X
Speed with or without tab insertion (sheets per minute) *	Max 3.000	Max 3.000	Max 3.000
Sheets weight range, GSM*	From 40 to 300	From 200 to 800	From 40 to 800
Maximum pack height *	20 (cm)	20 (cm)	20 (cm)
Optic fibre technology for counting	X	X	X
Counting head positioning system by optic fiber	X	X	X
Deformed corners accurate counting with "Stabilizer System" *	X	X	X
"Easy Clips" system for counting plates replacement	X	X	X
High definition touch screen color panel with symbol	X	X	X
Counting program storing function (8 levels)	X	X	X
Air floatation table	X	X	X
Tab insertion - Min sheets (with 500 sheets of 80 GSM) * (optional)	5 (10) - O	5 (10) - O	5 (10) - O
Sheets detection cross checking on each head	O	O	O
Ethernet connection and USB port	O	O	O
Variable tabbing function	O	O	O
Data export software and hardware	O	O	O
Sheets size (mm)	Min 297x210(mm) - Max 800x1050(mm)		
Table height	mm 880 (+/- 20)		
Dimensions / weight	228x153x145,4h (cm) / 600 (Kg		
Power supply	230 VAC, 50/60 hz, 16A		

X = included O = optional
* Technical data subject to circumstances such as sheets type, quality, weight, presentation and depending on the number of sheets in counted pack.
We also reserve to update them without notice further to a development process. Images and diagrams are purely for illustrative purposes.
Detailed information are to be found uniquely in the Operating and Service Manual of the machines.

ACCESSORIES
- ***Silent Air Compressor***
- ***Professional paper jogger:*** Side flaps activated pneumatically and adjustable jogging intensity.
- ***Automatic stack lifter and pallet truck.***
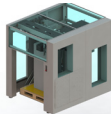
CERTIFICATIONS AND TESTS
ADR 32 has been submitted to intense runs of functional and duration tests such as prescribed by quality procedures according to ISO 9001 norms.
Simulations of heavy duty cycles with a wide range of sheets types **, evidenced low wear levels for the mechanical parts, a perfect stability of the electronic components and of the machine software.
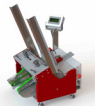** Tests effected in conformity with the prescriptions of the Operating and Service Manual

Additional B.MATIC Products

"Protec ADR 32 CM" models with ADR 32 Technology for Commercial Printing					
Model	**Type.**	**Sheets / min**	**GSM**	**Sector**	**Picture**
Protec ADR 32 ST	L	3000	40/300	Commercial	
Protec ADR 32 ST	H	3000	200/800	Commercial	
Protec ADR 32 ST	W	3000	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	1400	40/150	Commercial	
Protec ADR 32 CM	2	2400	40/250	Commercial	
Protec ADR 32 CM	3	2400	40/500	Commercial	

"PackMover ADR 32" models					
Model	**Type**	**Sheets / min.**	**GSM**	**Sector**	**Picture**
PackMover ADR 32 A3	CV1/SK1	3.000	80/300	Commercial/Security	
PackMover ADR 32 70	CV/ # SK#	3.000	80/300	Commercial/Security	
PackMover ADR 32 100	CV #/SK #	3.000	80/300	Commercial/Security	

"F320" models with OCS Technology					
Model	**Type**	**Mt / min.**	**Thickness**	**Sector**	**Picture**
Counter S	Counter S	200	0,1-10 (mm)	Converting/Packaging	
Counter S	Vision	200	0,1-10 (mm)	Security/Packaging	
Counter S	Marker	200	0,1-10 (mm)	Converting/Packaging	

"TAB-INSERTER" models with DUAL RIBBING Technology					
Model	**Type**	**tabs / sec**	**Devices**	**Sector**	**Picture**
TAB-IN	MDX	3	Tape deflector	Converting	
TAB-IN	Counter	3	Photocell/Pedestal	Commercial printing	
TAB-IN	Push	3	Control Unit	Converting	

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

Dealer area

Products
CE
Certified

B.MATIC

Security

Cod: 244DBR2