

PROTEC ADR 32 TH2(SH2)

SHEETS COUNTING MACHINE FOR HIGH SECURITY COUNTING



DESIGNED FOR BANKNOTES, SECURITY PAPER, AND SECURITY DOCUMENTS.

- 3.000 Sheets per minute even with tab-insertion
- Active Pressers Technology "APT" for security sheets with high surface deformations
- No corner curling and no scratching on sheets from 40 to 800 GSM
- Quick and simple changeover from thin to thick sheets

"PROTEC ADR 32 TH2 (SH2)" **Sheets counting machine for High Security Counting**

Protec ADR 32 TH2 (Twin Head) is a completely redesigned twin head counting machine to count particularly deformed sheets common in modern security and high security printing processes.

It uses a new technology called Active Pressers Technology "APT" which consists of a system of pressers that can be easily activated from the touch panel according to the sheets type, combined with the new stabilizer system "Stabilizer System 4" to count accurately even in case of upwards and downwards deformations.

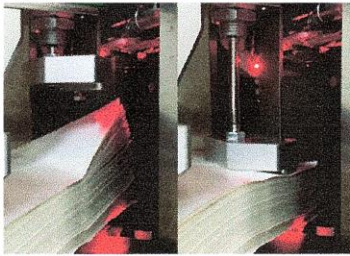
Protec ADR 32 TH2 counts without curling the corner upwards, avoids scratches and frequent cleaning to remedy ink smearing, defects often present in other counting technologies. Protec ADR 32 TH2 has unique features on the market.

The system programming interface is a large, high-resolution, icon-based Touch Screen for universal use.

It is an extremely robust machine (850 kg of solid steel) mechanically designed for professional and long-lasting use.

Three versions are available, depending on the paper weight, as shown in the table on the next page.

"Protec ADR 32 SH2" Single Head model is also available with the same structure as the Twin Head.



Function Active pressers APT

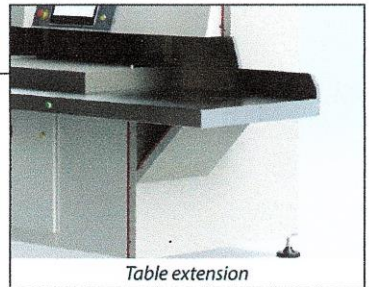
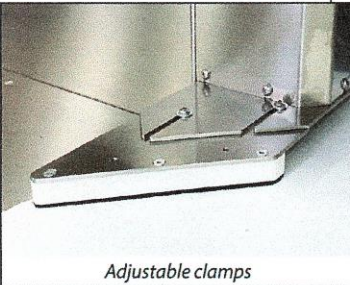
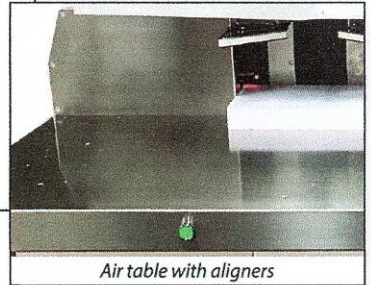


Table extension



Adjustable clamps



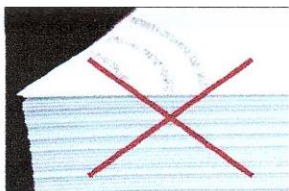
Air table with aligners

ADR 32 TECHNOLOGY

- Based on 30 years of experience in sheet counting, we have further improved the "ADR 32" counting head, a mechanical system counting the sheets individually by two sucking blades without corner deformation nor scratching.
- ADR 32 can count sheets from 40 to 800 GSM and insert separation tabs at a speed of up to 3,000 sheets per minute
- This technology has been designed and manufactured to meet stringent security and high security printing standards but is also perfect for commercial printing, converting and packaging applications.
- We have paid a lot of attention to safety using a system of telescopic stainless steel panels that completely protect the operator.

What's New in Protec ADR 32 TH2 (SH2)

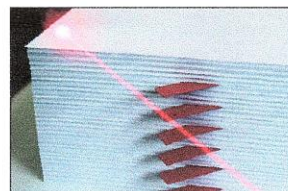
1. "APT" Active Pressers Technology with 16 programs for highly deformed sheets (optional).
2. Built-in knock-ups on the machine table.
3. Adjustable clamps according to the size and type of sheets.
4. Table extension.
5. Software with advanced diagnostics and video tutorials for maintenance.
6. Constructive details to facilitate the inspection and maintenance of the machine.
7. Latest generation electronics improved with quick wiring and industrial PLC.
8. Even more robust with reduced vibrations and increased structural rigidity.



NO SCRATCHES - NO CLEAN



NO CURL



OPTIC FIBER TECH



3.000 SHEETS/MIN

Security Sheets Counters

"PROTEC ADR 32 TH2 (SH2)" Sheets counting machine for High Security Counting

Standard functions

- Technical data valid for Protec ADR 32 TH2 (Twin Head) and Protec ADR 32 SH2 (Single Head):
- Counting on one head / two heads with and without tab insertion.
- Counting with or without accumulation of the total reams / piles / general.
- Setting a target value with alarm and pneumatic locking of the ream in case of different counting.
- Pneumatic locking of the ream and visual alarm in case of different counting between the two heads (Only for Protec ADR 32 TH - Twin Head).
- Storage of up to 8 count settings.
- Automatic periodic notification with video tutorials on maintenance operations.

Functions and Characteristics			
Machine Model	Protec ADR 32 TH2 (SH2)		
Machine 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 ream height (mm) *	200		
Counting head positioning system by optic fiber	X	X	X
Sheets stabilization system "Stabilizer System 4" *	X	X	X
Built-in Knock-ups on the machine table (left/right)	X	X	X
Adjustable clamps according to the size and type of sheets	X	X	X
"Easy Clips" system for counting plates replacement	X	X	X
High definition touch screen color panel with icons	X	X	X
Counting program storing function (8 levels)	X	X	X
Stainless steel air flotation table (mm) with knock-ups	2000 X 820		
Tab insertion - Min sheets (with 500 sheets of 80 GSM) * (optional)	5 (10) - O	5 (10) - O	5 (10) - O
"APT" Active Pressers Technology	O	O	O
Table extension	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 - Max 820x1050		
Table height, adjustable (mm)	880 (+/- 30)		
Dimensions (mm) / net weight (kg)	2000 x 1380 x H 1500 / 850		
Power supply - air pressure	230 VAC, 50/60 Hz, 16A - 6 Bar		
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.			



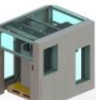


OTHER ACCESSORIES

- Silent Air Compressor
- Professional paper jogger: Side flaps activated pneumatically and adjustable jogging intensity.
- Pile lifter with photocell

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

"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