

# **PROTEC ADR 32 ST2**

## **SHEETS COUNTING MACHINE**



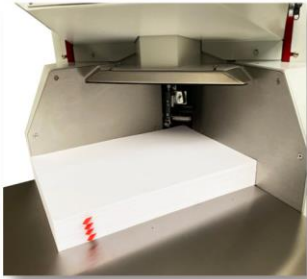
### **ADR 32 TECHNOLOGY COUNTING HEAD**

*3.000 SHEETS PER MINUTE EVEN WITH TAB-INSERTION  
NO CORNER CURLING AND NO SCRATCHING  
FROM 40 TO 800 GSM FOR PAPER, CARDBOARD AND PLASTIC  
QUICK AND SIMPLE CHANGEOVER FROM THIN TO THICK SHEETS  
SINGLE BODY CONSTRUCTION*

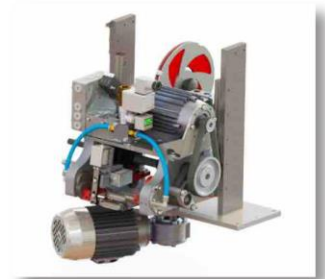
**Commercial Sheets Counters**

**"PROTEC ADR 32 ST2"  
Sheets counting machine**

PROTEC ADR 32 ST2 is the new ST model with redesigned structure to ensure better use and maintenance, equipped with the high performance technology of the ADR 32 sheets counting head. The machine structure is realized in a single body including the base, for more rigidity. PROTEC ADR 32 ST2 counts without corner deformation nor scratches up to 3.000 sheets per minute. The counting is done from top downwards. This is an extremely robust machine (250 Kg of solid steel) with wide steel knock-ups and designed for a professional and durable use. The machine is programmed by a graphic high resolution touch screen panel 7" allowing communication to external networks via dedicated ports. The machine software has been completely redesigned and integrated with additional functions to speed up production cycles. A wide choice of accessory is available for any requirement. Three models are supplied for counting different sheets ranges. Additional models with structure, technical solutions and software designed to serve special security requirements are covered by specific literature.



NEW DESIGN WITH CNC HIGH PRECISION ALIGNERS



ADR 32 COUNTING HEAD AT 3000 SHEETS/MIN



USB AND ETHERNET INTERFACE



WIDE TOUCH SCREEN HD 7"

**ADR 32 TECHNOLOGY**

Based on a 25 years long experience in sheets counting and many years of research and development, we have realized the new Counting Head on "ADR 32" technology reaching high speed without corner deformation nor scratching. ADR 32 can count sheets from 40 to 800 GSM and insert separation tabs at a speed 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 / security sheets counting, and it 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.
- Completely redesigned mechanical core counting and tabbing up to 3.000 sheets / minute.
- Optic fiber system 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 corners.

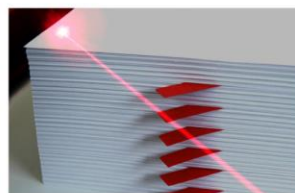
**ADR 32  
Technology**



NO SCRATCH



NO CURL



OPTIC FIBER TECH



3.000 SHEETS/MIN

**Commercial Sheets Counters**

**"PROTEC ADR 32 ST2"  
Sheets counting machine**

**Standard Functions**

- Counting with or without ream splitting by tab insertion.
- Counting of preset quantity and stopping for pick up of counted ream and counting accumulation into General Total for multiple ream jobs.
- Display of correct machine settings for the counted paper on HD 7" wide screen.
- Up to 8 programs storing to speed up machine setting.
- Maintenance deadlines notification.
- Diagnostic system for the machine sensors.

<b>Functions and Characteristics</b>			
<b>Model</b>	<b>Protec ADR 32 ST2</b>		
<b>Type</b>	<b>L</b>	<b>H</b>	<b>W</b>
Anti-scratch and anti-curl technology	X	X	X
Counting speed (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
Table size standard	70x70 (cm)	70x70 (cm)	70x70 (cm)
Maximum ream height *	20 (cm)	20 (cm)	20 (cm)
Sheets size (min)**	A6	A6	A6
Optic fiber 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
Tab insertion - Min sheets (with 500 sheets of 80 GSM) *	5 (10)	5 (10)	5 (10)
"Easy Clips" system for counting plates replacement	X	X	X
High definition 7" touch screen color panel with user-friendly interface	X	X	X
Counting program storing function (8 levels)	X	X	X
Air flotation table	O	O	O
Raised Counting Edge Group for Deformed Sheets	O	O	O
Security mode function with clamp locking	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
Table height	mm 880 (+/- 20)		
Dimensions / weight	90x75x145h (cm) - 250 (kg)		
Power supply	230VAC mono, 50/60Hz, 5A		
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 ream. We 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.			
** A5 without accessory, A6 or smaller (95x60 mm) with accessory.			

**ACCESSORIES**


- Table 70 x 100 (cm) with or without air flotation.
- Small size adapting tray.
- Raised corner device
- Counting data transmission to external computers.




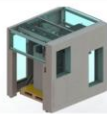
**CERTIFICATIONS AND TESTS**


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

<b>"Protec TWIN HEAD ADR 32" models with ADR 32 Technology for Security and High security Counting</b>					
Model	Type	Sheets / min	GSM	Sector	Picture
Protec ADR 32 TH (SH)	L	3.000	40/300	Security	
Protec ADR 32 TH (SH)	H	2.500	200/800	Security	
Protec ADR 32 TH (SH)	W	3.000	40/800	Security	

<b>"Protec ADR 32" models with ADR 32 Technology for Commercial Printing</b>					
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	

<b>"PackMover ADR 32" models</b>					
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	

<b>"F320" models with OCS Technology</b>					
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	

<b>"Tab-Inserter" models with DUAL RIBBING Technology</b>					
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	