



# CAL-one®

## WALL CALENDAR MACHINES

CAL-ONE.COM

Millions of wall calendars are produced each year using CAL-one, saving time and money of our customers



### MODERN SYSTEM FOR GLUING CALENDARS

CAL-one is a series of revolutionary machines that automate the production process of single-, three- and four-part calendars

**perfect  
repeatability**

**EXCELLENT  
QUALITY**

**full  
automation**

**PRODUCTION  
EFFICIENCY**

# HEAD-one AT

## AUTOMATIC MACHINE FOR GLUEING CALENDAR HEADBOARDS

This fully automatic machine produces headboards with a "pillow effect" for single- and multi-part wall calendars, reaching speeds of up to **720 heads** per hour.

Thanks to its high level of automation, it requires only **20%** of the time of **1 person**, replacing the work of **8 people** while maintaining high quality and repeatability.

**NEW:**  
max. 720 heads / hour



### CRIMPING STATION

The device has a specially profiled station with automatic sticker feeding, to which the stickers are automatically applied, and the entire process takes about 5 seconds.

### PROCESS CONTROL

The machine is controlled via a PLC touch panel enabling precise configuration of operating parameters.

### GLUING HEADBOARDS

The machine automatically picks up the stickers and cardboard, covers the sticker with the sticker, applies hot glue to the edges of the sticker and wraps the sticker around it.

### GLUER

The glue heads is a peripheral device that heats the HOT-MELT glue and, via heated hoses, delivers it to four glue heads that apply the glue to the edges of the head. This ensures a durable and strong bond.

### INSERT FEEDER

The device has a container for a stack of solid and/or corrugated cardboard inserts with side markings. The feeder must be refilled during the process. Optionally, it can be equipped with an attachment for punching the insert/cardboard.

### STICKER FEEDER

The 250 mm high elevator provides space for a sticker pack, which is replenished every hour.

### HEAD STREAM FEEDER

The headboards drop onto the receiving elevator, which allows the operator to collect the finished heads without stopping the machine every 10-12 minutes.



Head gluing efficiency	over 720 pcs / hour
Number of people to serve	1 person (20% involvement)
Min/max headboard width (ready)	300 mm / 340 mm
Min/max headboard height (ready)	200 mm / 280 mm
Insert / Cardboard	corrugated/solid cardboard width 290-300 mm height 190-270 mm
Cover - type of paper	chalk, cardboard GC1, GC2, GD2 creased with cut corners
Cover - weight	250 g/m <sup>2</sup> - 450 g/m <sup>2</sup>
Covering - tongues / flaps for wrapping	width 15 - 25 mm
Capacity of the paste stack	300 mm (non-stop feeding)
Storage capacity of ready-made heads	400 mm (non-stop reception)
Work surface	2500 x 2300 x 2500 mm
Device dimensions	1320 x 1060 x 1900 mm [H x W x D]
Device weight	weight of the device with glue system 270 kg
Pneumatic connection - requirement	dehumidified air - 8 bar - 200 l/min
Machine power supply	230 V AC, 50 Hz, 1f (+/- 5%) - 16A
Glue station power supply	380 V AC, 50 Hz, 3f (+/- 5%) - 16A

- The HEAD-one AT automates the production of calendar headboards, which were typically glued manually.
- It is an extremely simple and intuitive device to use.
- Corrugated or solid cardboard is automatically picked from a stack and transferred to the gluing station, simultaneously applying hot-melt glue to each of the four edges of the cardboard.
- The cover is automatically retrieved from the elevator and transferred to the clamping station. Once clamped, the head is ready and automatically transported to the receiving elevator.
- The HEAD-one AT allows for the production of up to 720 headboards per hour in high quality.
- **NEW!** Automatically picks up labels from the stack.

# CAL-one mini

## SEMI-AUTOMATIC MACHINE FOR GLUEING SINGLE-PART AND MULTIPART WALL CALENDARS

A semi-automatic calendar machine for smaller quantities is an innovative device that automates the process of attaching calendars and heads to single- and multi-section calendars with or without a head.

The machine reaches a mechanical speed of over 400 calendars per hour.



The speed of gluing single- and three-fold calendars with or without a head	over 400 pcs/hour
Number of people to serve	1 – 2 people (depending on the operating mode and system limitations)
Min/Max width of tops (backs)	110 mm / 350 mm
Min/Max length of tops (backs)	200 mm / 1000 mm
Storage capacity of countertops for sticking	80 mm (~200 pcs. 230g carton)
Maximum height of calendars	620 mm
Min/Max calendar width	100 mm / 350 mm
Calendar stack capacity	200 mm (non-stop adding)
Storage capacity of ready-made calendars	250 mm (~200 calendars without heads)
Work surface	2800 x 3500 x 2800 mm [Height x W x D]
Device dimensions	1780 x 2100 x 1200 mm [Height x W x D]
Weight of the device with glue system	260 kg
Pneumatic connection – demand	dry air – 8 bar – 150 l/min
Machine power supply	230 V AC, 50 Hz, 1f (+/- 5%) – 16A
Power supply for the glue station	380 V AC, 50 Hz, 3f (+/- 5%) – 16A

- Quadrupling the production of wall calendars, with real employee efficiency, it allows you to make over 400 pieces per hour, thus actually reducing the unit cost of production.
- Thanks to its compact dimensions, it is a perfect solution for those who have limited production space.
- The machine is equipped with a feeder that allows you to place an 8-centimeter stack of countertops.
- The glue is applied to the countertops in the desired places through adhesive nozzles. Adjustable guides allow for precise, manual pasting of calendars or heads in a repeatable and stable way.
- After gluing, the calendars are gently placed on an elevator that can accommodate over 20 cm of finished products.

### COUNTERTOP FEEDER

The automatic feeder has a constant height at which the stack of tops is placed. The tops are automatically taken, moved to the work table using suction cups, and then calendar blocks/heads are glued to them.

### GLUING CALENDARS

Depending on the version of the machine, there are 3 or 4 gluing heads. The heads apply a thin line of glue to the back of the calendar, and then calendar blocks or heads are glued to the applied glue, depending on the type of calendar.

### MECHANICAL POSITIONING

The calendars are placed manually by the operator, and adjustable guides allow for precise pasting of the block on the back of the calendar with constant repeatability.

### GLUER

The gluer is a peripheral device that heats the HOT-MELT hot melt adhesive and, using heated hoses, delivers hot glue to the gluing heads.

### BLOCK BRANDS

The top and side marks are manually set to the appropriate height for pasting calendar blocks. The side brand is manually positioned in relation to the left edge of the back of the calendar. The top brand is duplicated three times to set up the individual blocks.

### ELEVATOR TYPE LINER

The display works on the principle of an elevator, which automatically lowers down as it becomes full, making room for subsequent calendars.



# CAL-one 1200



## AUTOMATIC MACHINE FOR GLUEING SINGLE AND MULTIPART WALL CALENDARS

This revolutionary machine reaches speeds of up to **1,200** calendars per hour. The first three stations feed calendars, the fourth – depending on the configuration – feeds calendar blocks or heads, and the optional fifth station is equipped with a punch or an eyelet press for economical calendars.

It requires only **1 operator**, replacing the work of **10 people** while maintaining high quality and repeatability.



### COUNTERTOP FEEDER

The automatic feeder holds a stack of approximately 450 mm sheets, which are then transferred to the work table via suction cups. Powerful blowing effectively separates the printed sheets, ensuring no jams when loading the sheets.

### SIDE MARK

The use of a side mark facilitates precise alignment of calendars and precise transfer via suction cups to the worktop.

### FULL-COLOR TOUCHSCREEN

The control panel is equipped with a large and readable touchscreen display with the ability to save settings for individual jobs.

### EYELET MACHINE

An optional attachment for inserting small eyelets into economical, single- and multi-part calendars.

### STREAM FEEDER

An automatic feeder uses a belt covered with elastic rubber to eject heads from the stack. This solution allows for precise separation of heads without scratching them. Headboards are added to the stack during operation to ensure uninterrupted production.

### BELT CONVEYOR - delivery

The belt conveyor uses a belt to receive finished products in a continuous system without interrupting the production process.

### ELEVATOR TYPE - delivery

The elevator receives the finished calendars and, as it fills, lowers them down, making space for the next calendars. Once the runner is full, it must be emptied.



Speed of gluing single-section and/or multi-section calendars	up to 1200 pcs/hour
Manpower	1 – 2 people (depending on the operating mode and system limitations)
Min/Max width of tops (backs)	250 mm / 375 mm
Min/Max length of tops (backs)	200 mm / 1050 mm
Storage capacity of countertops for sticking	450 mm (~2000 pcs 230g carton)
Maximum height of calendars	320 mm
Min/Max calendar width	250 mm / 370 mm
Work surface	3900 x 5350 x 3900 mm
Dimensions of the device with an elevator type liner	1095 x 3673 x 2311 mm [H x W x D]
Dimensions of the device with a conveyor belt	1149 x 4375 x 2311 mm [H x W x D]
Weight of the device with gluer and liner	elevator type – 560 kg
Weight of the device with gluer and liner	conveyor belt – 610 kg
Weight of the eyelet/punching machine	60 kg / 2kg
Machine power supply	230 V AC, 50 Hz, 1f (+/- 5%) – 16A
Power supply for the glue station	380 V AC, 50 Hz, 3f (+/- 5%) – 16A

- CAL-one 1200 can operate in single-, double-, triple- and quadruple-calendar modes.
- The use of a side marker enables precise positioning of calendars, which facilitates their safe and accurate transfer via suction cups to the worktop.
- The machine is equipped with a vacuum table that precisely holds the calendar sheets during the gluing process. The sheets are aligned and then guided stably through all stages of the process. This solution guarantees consistent and high-quality end products.
- To maintain maximum productivity, calendars can be added while work is in progress, and headboards are automatically attached from a stream feeder.