

# CG50 ST

**Semi-automatic  
adjustment taping  
machine for gummed paper**



**The wise, efficient and  
responsible solution  
for your packaging.**

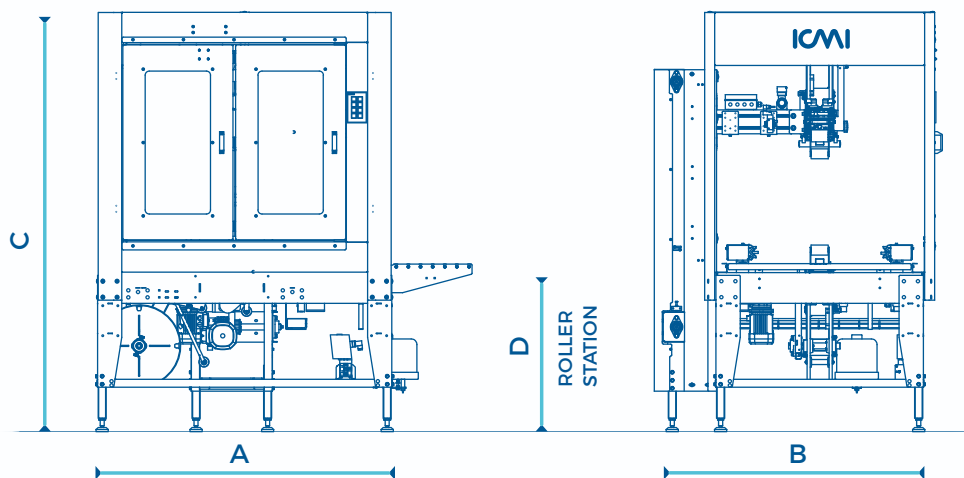
**ICMI**  
WISE PACKAGING

**CG50 ST** is a semi-automatic adjusting gummed paper taping machine made for taping cardboard boxes of different sizes from each other. The box is introduced manually after folding (closing) the top flaps. The machine will semi-automatically adjust to the size of the box and spread the gummed paper underneath and on top. By means of a device, it is possible to keep the machine sized to the format and thus quickly tape a quantity of equally sized boxes.

[www.icmi.it](http://www.icmi.it)

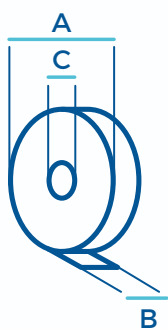
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### Technical data



A	1865 mm
B	1530 mm
C	1950 ± 50 mm
D	690 ± 50 mm

(Taping machine size  
for boxes W 600 H 600)



A	Max 400 mm
B	from 50 mm to 80 mm
C	70 mm



L	from 250 mm to ∞
W	from 140 mm to 600 mm
H	from 90 mm to 600 mm

Customizable dimensions on request

#### Average production



Max 8 boxes per minute\*

\*Box size and temperature can affect average production.

#### Power supply



400 V 50 Hz

#### Electrical protection



IP 54

#### Weight



405 Kg

#### Box transfer speed



400 mm/second

\* adjustable by touch screen

#### Installed power



1,5 kW

#### Pressure recommended



6 bar

#### Air consumption

0,15 NI/cycle

#### Temperature of use



from 10°C to 40°C

#### Operating humidity



40% - 65%

**NB:** ICMI can fulfill requests that do not fit within the data sheet.

### Characteristics

- Semi-automatic adjustment for different box sizes;
- Manual insertion of the boxes with upper flaps closed;
- Vertical and side auto-dimensioning with an electric control device. It also allows, by means of a device, to keep the machine sized and to quickly seal amounts of boxes of the same size;
- Automatic and simultaneous box conveying and taping (upper and lower);
- Gummed paper adjustable humidification;
- Gummed paper non-return ratchet device;
- Lack of inertial forces when unwinding the paper tape from the reel thanks to the pivoting roller brake;
- Pneumatically controlled, self-sharpening guillotine cutting group;
- Rollers to press the gummed paper onto the boxes can be adjusted: pressure can be changed depending on the contents and/or thickness of the boxes;
- Front and behind can be changed from 60 to 80mm according to paper width;
- Peristaltic pump that sends and draws humidification water from the tank (5 liters) to the humidification units, sending the excess back into the tank. Constant humidification of gummed paper is guaranteed even on lines with discontinuous capacity;
- Humidification unit heating by cartridge heater, stainless steel, 100 W, 24 Vac, thermostat installed on the taping head and connected to the electrical panel. This is essential at temperatures below 18°C and/or medium/high output: it improves and speeds up the glue reaction of the gummed paper. The temperature can be adjusted by touch screen up to 60°/70° with sens. PT 100;
- All linkages (excluding drive chains) are mounted on recirculating ball bearings;
- Electrical control box made in compliance with EN-60204-1, in a box with IP65 protection level, containing the components at mains voltage and at 24V 50Hz;
- Possibility of changing the box insertion direction;
- Touch screen for operator data interchange.

### Optional upon request

- External interface signal of the overflow;
- End-reel reader for upper and lower taping head;
- Upper and lower taping head control reader with counter device;
- Upper and lower taping head exclusion control;
- Data interchange package;
- Customized colour;
- Wheels with brake.

### Structure

- Painted iron frame;
- Upper head supported overhanging for complete freedom of action and a perfect view of the operator;
- Sliding plane with idle rollers;
- Box conveying with toothed side belts fitted with special section rubber blocks for secure movement of both light and delicate boxes and strong and heavy ones (30kg) (adjustable upon request);
- All unpainted details are electro-galvanized;
- Painting: 7004 (other colours upon request);
- Accident protection consisting of painted sheet metal frames and profiles and transparent colorless polycarbonate panels. IEC337-compliant safety switches govern the spezione sliding doors. Four barriers protrude beyond the footprint in length by about 800 mm. Safety sensor on the operator side;

### Taping unit/head

Patented gummed paper dispensing and wetting units capable of using 85 g/m<sup>2</sup> to heavy reinforced papers without registration. Inspection activities are easy and smooth.

All ICMI machines can be designed and built according to the customer's specific requirements. A wide range of modifications and/or accessories are available upon request.

Taping Machine CG50 ST complies with machine directive 2006/42/CE and is always delivered with the conformity declaration and marked "CE".



### Quote request form

To identify the type of taping machine to be proposed, please fill in this form and return it by fax to +39 035 885151 (in case of urgency) or by email to the following address: sales@icmi.it

Date

Company Name  | Name

Address  | N°  | Postal Code  | City  (  )

Email  | Tel  | Fax

### Required technical data

#### External dimensions and box weights:

Lenght	Min	mm	Max	mm
Width	Min	mm	Max	mm
Height	Min	mm	Max	mm
Weight	Min	kg	Max	kg

Production (boxes/hour)

Boxes content

Height D from the ground of the box sliding surface (mm)  Adjustable  $\pm 50$  mm

#### Entry side of the boxes in the taping machine:

Right to left

Left to right



Voltage: 3 x  Vac + T + N Frequency:  Hz

Machine colour: RAL

Width of gummed paper: mm

Room temperature deg. C Min  Max

Working environment humidity (optional): Min  Max