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Automatic case erector COMARME F1000

Comarme S.r.l. (Italy) · up to 840 cases/h · cases 180–400 × 100–400 × 100–500 mm



The F1000 together with the GEM B52 taping machine — photo by the manufacturer Comarme S.r.l.

Application

The F1000 erects cardboard cases from flat blanks and feeds them on for the bottom to be taped. The machine takes out of the line the manual operation that limits the packing speed: the operator only refills the blank magazine, the machine does the rest.

How it works

The blank is drawn out of the magazine by vacuum cups, erected into a case and held while it is being formed; the case is then passed to the GEM B52 taping machine, which closes and tapes the bottom flaps. Automatic start and stop by a photocell matches the work with the rest of the line.

The GEM B52 is required for the F1000 to work — this is stated directly in the manufacturer’s offer. Its data are given in a separate data sheet.

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Technical data

Parameter	Value
Case sizes	length 180–400 mm · width 100–400 mm · height 100–500 mm
Output	up to 840 cases/h — depending on the case length
Case travel speed	about 22 m/min
Magazine capacity	110–120 cases
Control	PLC with its own 7" colour Kyte touch panel
Installed power	1.5 kW
Power supply	400 V, 50/60 Hz
Protection class	IP54
Working air pressure	6 bar
Air consumption per cycle	13 Nl (22 Nl per the catalogue)
Vacuum system	Venturi ejector, 25 m³/h, 700 mmHg
Working temperature	from +5 to +35 °C
Working surface height	650 + 30 mm
Weight	490 kg
Dimensions (L × W × H)	1100 × 1850 × 1800 mm
Paint	RAL 7015 — fixed parts · RAL 6029 — moving parts

Design

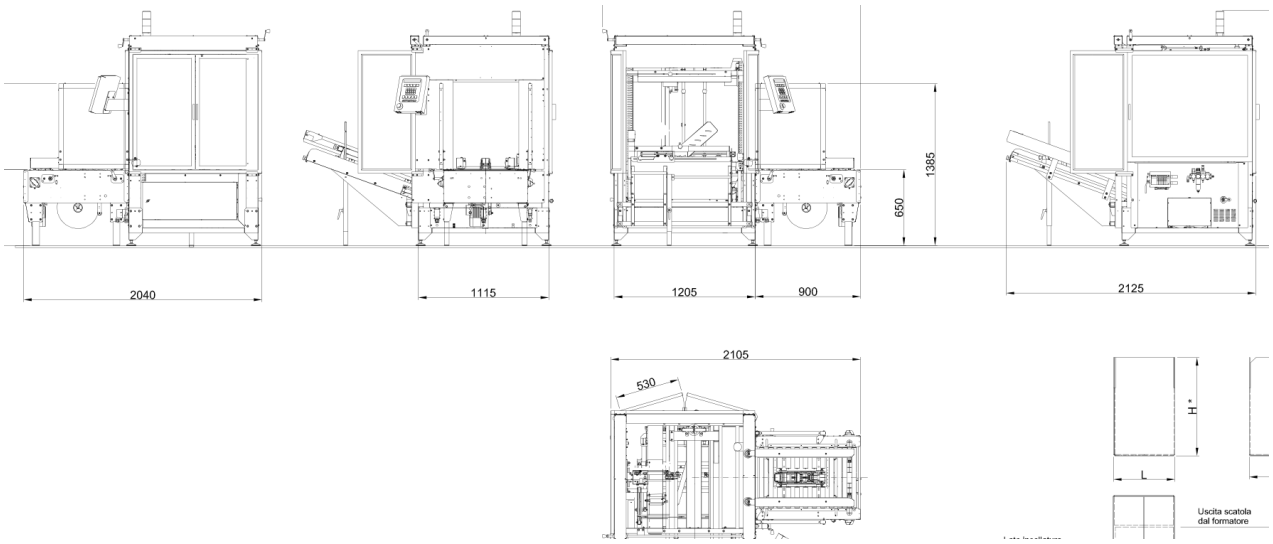
— the machine erects the case from a blank, holds it with vacuum cups and passes it on for the bottom to be taped;
— blank magazine for 110–120 cases, with a bellows guard on the magazine side;
— upper and lower guarding of the working zone;
— automatic start and stop by a photocell;
— PLC control with a touch panel; the catalogue offers a Siemens, Omron, Schneider or Allen-Bradley PLC to choose from.

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Options

— wheels with a brake (for a working height from 750 mm);
— motorised CAR 2001 magazine for up to 270 cases;
— wooden pallet 2300 × 2000 mm for transport.

Layout with the GEM B52



Overall layout of the F1000 + GEM B52 in the reverse feed version — drawing by the manufacturer, dimensions in mm

Supply and service

Delivery and packing, installation and commissioning, staff training, a 12-month warranty (excluding parts subject to normal wear), post-warranty service and spare parts. The lead time per the 2025 offer is 10–12 weeks from the order.

The data are indicative; the manufacturer reserves the right to change them without notice. The machines are built to CE standards.