



Ventomatic

VENTOFEED® Feeder for Automatic Bag Placers



Advantages of the system VENTOFEED

The most apparent advantages are 3:

- integrated automation of the plant
- continuity in service
- increased autonomy of the packer

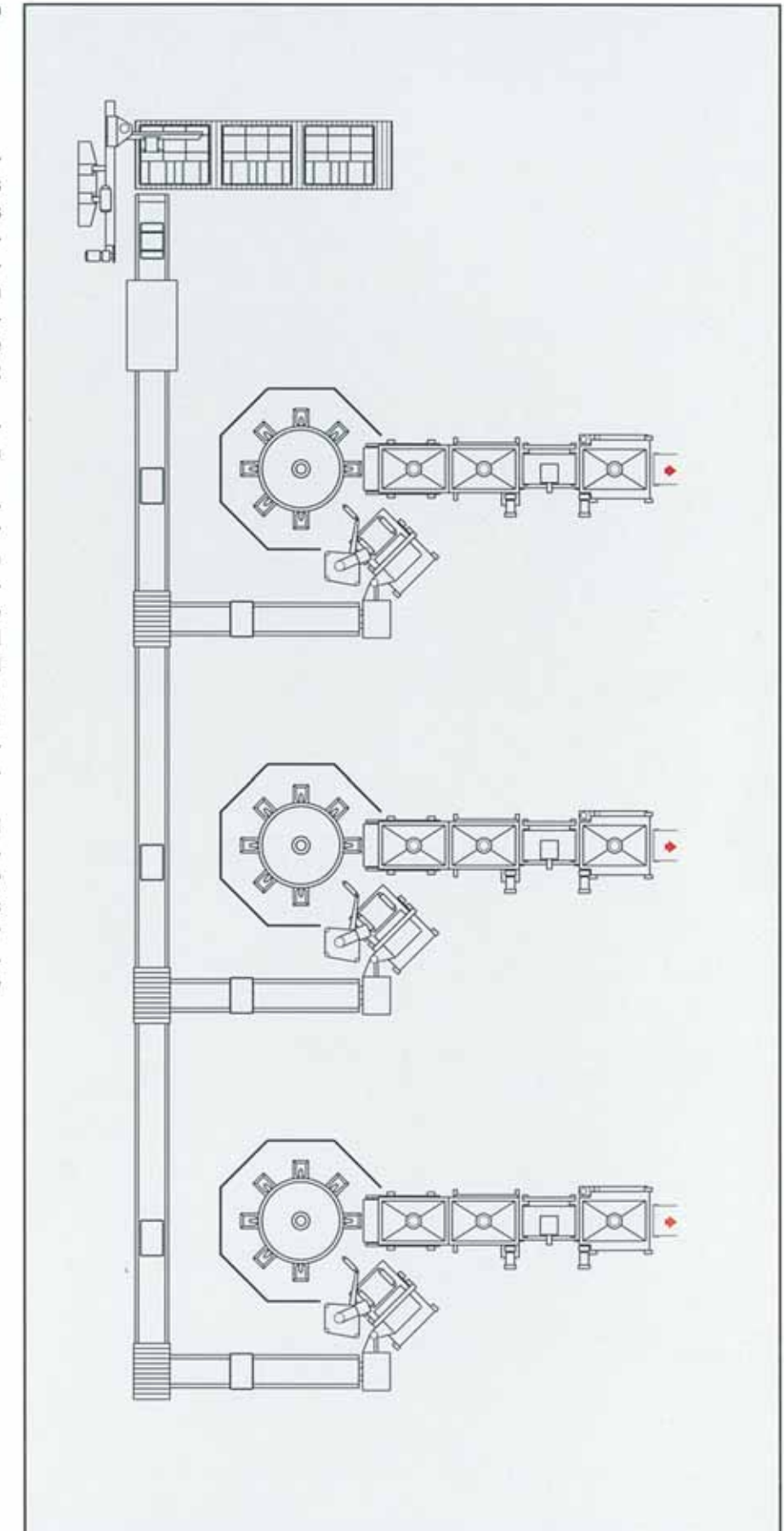
It is self-evident, that today's achievements of automation provide better results than it was possible in the past. Nowadays 1 operator is capable of serving and maintaining 4 - 5 packers (actually the number of packers, a single VENTOFEED can serve, provided the required belt conveyors to distribute the bag bundles are installed), which reduces his involvement to a few minutes only.

His duties are reduced to control and adjust, direct interference is only required in cases of general interruptions.

The continuity of operations is being improved considerably, where the operator becomes a supervisor, concentrating on the up-grading of generally small interruptions. In reality it becomes now more the operator's obligation to look after general maintenance, which cannot be eliminated completely in plants running continuously. The automatic feeding of the machine, i.e. the independence from constantly providing additional empty bags, has been improved considerably.

It is also possible - when utilizing several driven roller conveyors in front of the depalletizer for pallets loaded with empty bags - to run the packer for several hours without any interference. A single roller conveyor per pallet and only 1 depalletizer can serve several packers by means of a simple distributing system.

VENTOFEED®



Ventomatic

VIA G. MARCONI, 20
24030 VALBREMBO (BG) ITALY
TEL. +39 035 468.311
FAX +39 035 528.027

www.ventomatic.it e-mail: vento@ventomatic.it

FOREWORD

VENTOFEED substitutes all systems utilized so far to provide empty bags for the machines putting them onto the spouts of the packers, which consist either of bag reel feeders, utilizing rolled empty bags, or magazines, where the empty bags are

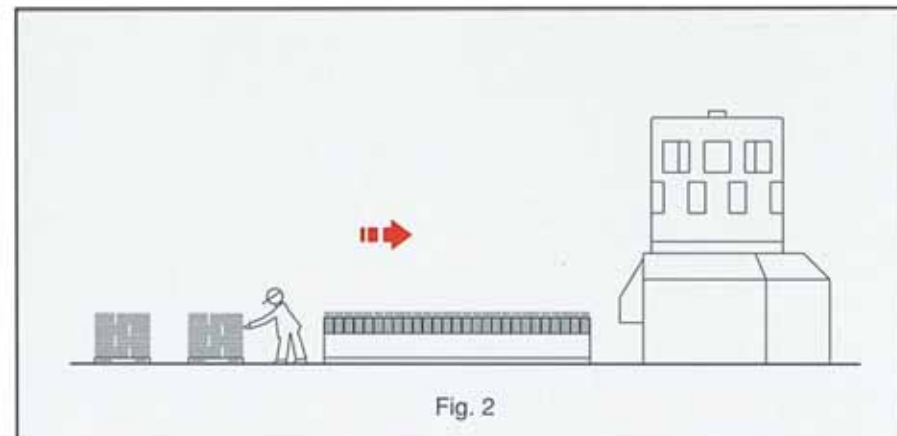
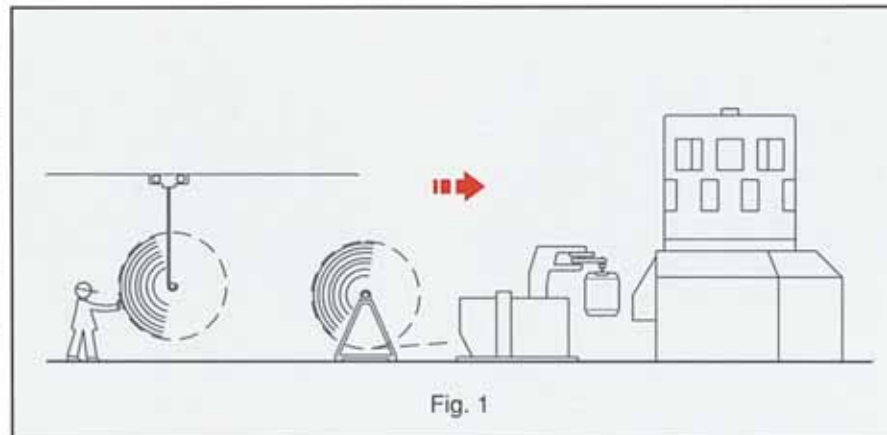
being provided from palletized bundles. Both systems do require the manual operations, the reel system to have a replacement roll ready for the un-winding machine and the magazines to be fed with empty bags from pallets into those

magazines. VENTOFEED on the contrary is a completely automatic system, which - as a unit - is de-palletizer and feeder in one for the packers.

Comparison of different systems:

1) Handling of empty bags from rolls towards the packing machine (fig. 1).

Each roll contains approx. 2000 empty bags. The operator needs to use a monorail, hang and lift a roll, move it, lower the roll and insert it into the reel feeder SROLLOMAT near the packer. On average this takes the operator approx. 10 minutes. Thus he feeds approx. 200 bags/minute from the storage to the packer.

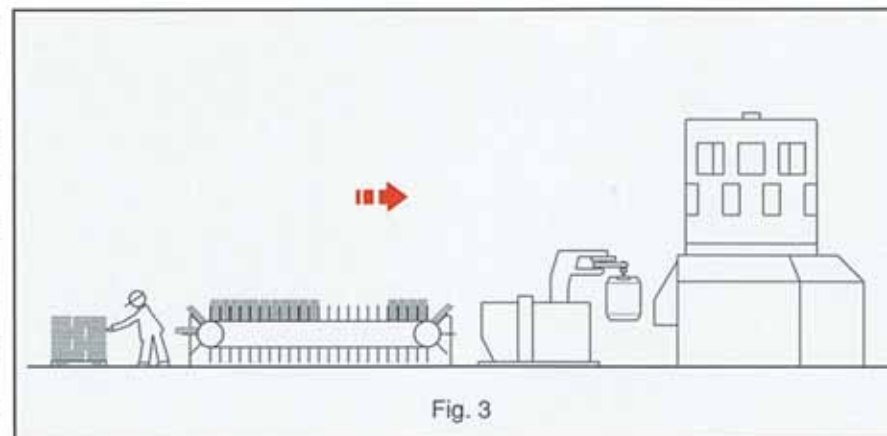


2) Handling of empty bag bundles from a pallet into a magazine with pocket (fig. 2).

In this type of magazine the empty bags are being placed vertically, side by side, causing the operator some difficulties, due to the advancing pocket. On average the operator achieves a capacity of approx. 70 bags/minute.

3) Handling of empty bag bundles from a pallet into our cassette-type magazine NORIAMAT (fig. 3).

This cassette-type magazine has a much easier carriage in comparison to the one mentioned before. It is sufficient to put the bundles into the empty cassettes. Based upon experience it takes an operator between 10 and 15 seconds to put a bundle of 30 empty bags into the cassette-type magazine NORIAMAT. Consequently an operator achieves a capacity of approx. 150 bags/minute.



THE SYSTEM VENTOFEEED

Pallets of empty bags, the way they are being supplied from bag manufacturers, contain between 5000 and 7000 empty bags. With the VENTOFEEED system the operator takes a loaded pallet with a forklift and deposits it onto a motorized roller conveyor, which places it automatically in position for the VENTOFEEED. This simple operation does not last longer than 2 minutes and no other intervention is required. The operator achieves therefore a capacity of 2'500 to 3'500 bags/minute. The operating efficiency of the VENTOFEEED is 10 to 30 times higher than with the manual operations described above.



Operational Description of the VENTOFEEED system

The bag bundles, bound together with a simple string, are being supplied by the bag manufacturer on a wooden pallet. The operator puts the complete pallet on a driven roller conveyor (1). This roller conveyor transfers the pallet to a special

de-palletizer with suction head to pick-up the bundles from the pallet (2). The bundle is being transported with a small belt conveyor into an automatic 'cutting station', where the string is cut and discarded (3). From there the bundle (4) is being

carried directly towards the automatic bag placer (5), and than the bags are being placed onto the spouts of the packing machine (6).

