

## CMC VARY-TOTE

**TECHNICAL SPECIFICATIONS**  
 External dimension: 600X400X350 mm  
 Maximum loading weight: Kg 10



Vary-Tote is a CMC designed and patented transport tote that can directly connect CMC packing line with the picking area. Picked items are placed inside the Vary-Tote which features two inner adjustable guides used to compact the selected items to the minimum possible volume. This adjustment, which will be scanned at the CMC Genesys

inlet, will determine the dimension of each box which will be unique to each individual consignment. This innovative concept is particularly well-suited for picking and packing multiple regular or irregular shaped items within a size range **without the requirement to be strapped or wrapped together.**

## ABOUT CMC

Developing cutting edge packaging and mailing solutions since 1980, with innovation and sustainability at the heart of our approach. We are proud to lead the industry and partner with multinational e-commerce, retail and 3PL companies to improve production efficiency while reducing the environmental impact of their operations.

By building on this innovation, from 2013 CMC became the global leader in 3D packaging, developing right-sized packaging solutions for the growing e-commerce economy. We move quickly, able to transform fresh thinking into real solutions within months. This benefits clients, reducing inventory and waste, improving efficiency and personalization, and optimizing cost.

### CMC GLOBAL OFFICES



- 1 CMC S.p.A.
- 2 GMC North America
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## CMC GENESYS

### FULLY AUTOMATED RIGHT-SIZED PACKAGING SOLUTION FOR MULTI-LINE ORDERS

## CMC GENESYS 3D TECHNOLOGY LIFE CYCLE ASSESSMENT

Considering a life cycle perspective, the most environmentally relevant stages are:



### CMC GENESYS 3D TECHNOLOGY VS STANDARD MANUAL PROCESS

This study compares the environmental performance of one average box packaged with CMC Genesys 3D technology with a manual, standard process.

Standard process CMC Genesys 3D Technology

#### CARBON FOOTPRINT between

**-41% & -58%\***

#### CARDBOARD USAGE between

**-27.3% & -43.1%\***

#### PACKAGE VOLUME between

**-45.8% & -57.5%\***

#### VOID FILLERS

**-100%**

\*These values have been obtained for a maximum and a minimum package size from a Genesys machine case study.




## MACHINE DESCRIPTION


CMC Genesys, is the only auto-packer that can be directly connected to a warehouse storage through the **CMC Patented Vary-Tote system**. Orders are automatically picked and consolidated in the CMC Vary-Tote which is directly conveyed to the **Genesys auto packing system**, the **ultimate solution for packaging automation**. To plotting and cutting the exact box template, CMC Genesys creates a unique box structure that not only uses less cardboard than a standard regular slotted cartons but also holds items in position removing the need for void fill. When the plotter cuts and creases the flat blank, trimmings

aren't cut out and discarded, but folded inside the 4 edges of the box creating a containing barrier for multiple items. The end customer experience is enhanced through the box "easy open" and "resealable strip", as the same box can also be used for returns. As all CMC automated packaging solutions, Genesys saves on labor, freight/box volumes and cardboard consumption. Just in time consolidation in the Vary-Tote eliminates completely needless offline operations and allows to keep pace with the machine speed thus **improving productivity**.

**Stronger sustainable box**



**Containing "barrier" to hold items**

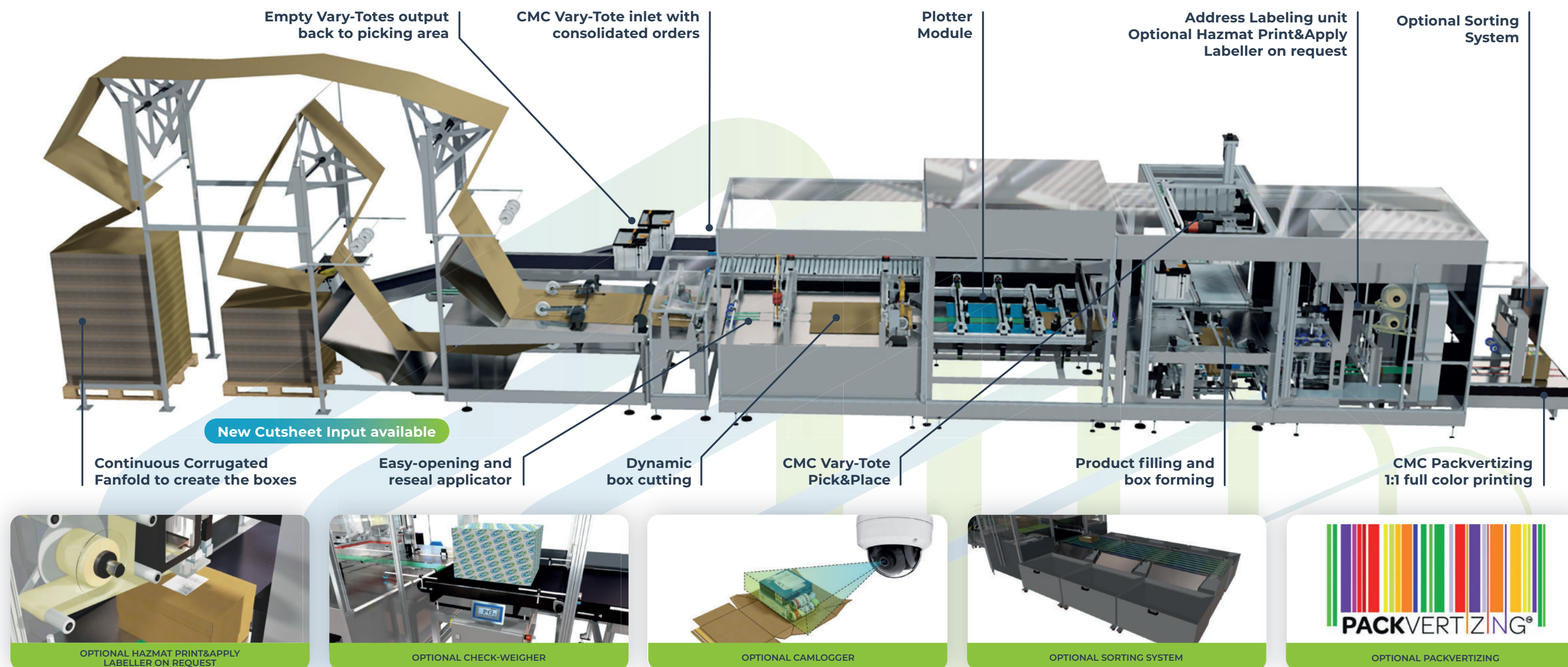


**Easy Opening and reseal for returns**

**Technical Specifications**

<b>MINIMUM BOX:</b> Width 270 x Length 210 x Height 60mm	<b>MAXIMUM BOX:</b> Width 560 x Length 380 x Height 290mm
<b>MAXIMUM MECHANICAL SPEED:</b> 850 boxes/hour	

## CMC GENESYS WORKFLOW



## BENEFITS



### OUTSTANDING TECHNICAL FEATURES

- Multi-line orders are fulfilled without pre-consolidation
- No need to strap or wrap items together
- Single workflow for both singles and multis
- Digital cutting requires less maintenance than mechanical systems



### OUTSTANDING MATERIAL AND PROCESS SAVINGS

- Labour savings by eliminating any human loading and operations
- Less cardboard consumption
- Improved shipping costs with less volume shipped
- Eliminates any void filling material



### OUTSTANDING CUSTOMER EXPERIENCE

- Exceptional box strength
- Improved customer experience with easy-opening resealing and Packvertizing
- Lower environmental impact
- Multi-channel ready