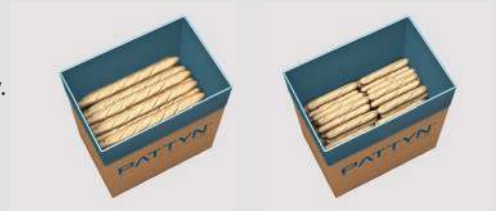


## VISION COUNTING SYSTEM

### ArgoCount-31 + MEC

The ArgoCount-31 counts products and constitutes batches by predefined quantity. The system is user friendly, highly flexible and allows to count all types of product thanks to our leading in house developed vision technology for industrial bakery applications.



3D vision technology

#### Counts and respects your products

- No limits: counts any type of product.
- Gentle product handling: no drops, no vibrations.
- Highest counting accuracy.
- Up to 140 counts/min depending on the version.

#### Minimize your operating cost

- Low maintenance, mechanical construction.
- No mechanical adjustments when changing recipes.
- 3D vision system not affected by external perturbation.
- Easy to clean.



Watch our videos  
at [pattyn.com](http://pattyn.com)

# TECHNICAL SPECIFICATIONS

## ARGOCOUNT-31

### 3D vision technology:

- High counting accuracy thanks to 3D imaging recognizing product shape.

### Product separation:

- The finger barrier allows to mechanically separate product and create box counts.
- The door batching system allows to retain et create batches.

### Grafic User Interface:

- Central HMI to manage the entire packaging line.
- Line supervision by a recipe based industrial PC.
- The system stores and updates all machine and conveyor parameters by recipe.

### 3 different versions:

- S: Single channel machine.
- D: Double channel machine to handle two different productions or two packaging machines (VFFS, MEC ...) or increase batching capacity combining two channels into one packaging machine.
- M: Multiple channel machine to handle high speed productions and distribute the flow to several packaging machines.



3D laser scan



Finger module

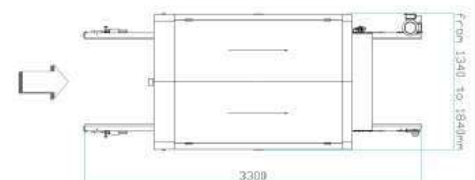


Multi-door batching system



Grafic User Interface: Argodisplay

CAPACITIES			
Type of products	Argo-Count-31 MEC 11	Argo-Count-31 MEC 31	Argo-Count-31 MEC 31 MEC 31
Baguette 1 row	Not applicable	Up to 8.000 products/h	Up to 9.000 products/h Up to 16 batches/min.
1/2 baguettes 2 rows	Not applicable	MEC-31 S: Up to 9.000 products/h MEC-31 L: Up to 13.000 products/h Up to 6 batches/min.	MEC-31 S x 2: Up to 18.000 products/channel Up to 12 batches/min.
Small bread and pastry	Up to 70.000 products/h Up to 7 batches/min.	Up to 70.000 products/h Up to 8 batches/min.	Up to 70.000 products/channel Up to 16 batches/min.
Baguette 2 rows	Not applicable	Not applicable	Up to 9.000 products/h Up to 16 batches/min.
1/2 baguettes 4 rows	Not applicable	Not applicable	MEC-31 L x 2: Up to 26.000 products/h Up to 16 batches/min.
CONSTRUCTION			
Stainless steel construction			
PU conveyor belt			
Vision dome with camera and laser sources			
Argoscan vision calculator			
Export counting statistics files			
OPTIONS (More options are available, please contact Pattyn Bakery Division)			
Statistic quality control on products and data storage (without rejection)			
Increased or reduced height of the finger comb			
Multi-door batching system for higher capacity			



Machine height 1405mm

Pattyn Bakery Division SAS  
ZA De Marcouly  
12350 Maleville - France

T +33 5 65 65 19 05  
info@pattyn.com  
www.pattyn.com



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Turnkey solutions for industrial packaging.