

## AT YOUR SERVICE



All of our services are designed with one goal in mind: optimizing the performance of PCM pumps and systems. From preventive maintenance to spare parts management, from equipment upgrading to training, we strive to best contribute to the productivity of our customers.

In order to provide the best use of our pumps and pumping systems, we offer a wide range of pre and post sales services:

- } Tests  
 Making the right choice
- } Installation, Commissioning, Training  
 Ensuring trouble-free operation
- } Maintenance  
 Guaranteeing efficiency
- } Equipment upgrading  
 Extending lifespan
- } Installation audits  
 Delivering lowest operating costs
- } Spare parts  
 Rapid worldwide distribution

## SPARE PARTS

### } A rapid worldwide distribution

Operating in more than 90 countries, you can obtain genuine PCM spare parts quickly. Using PCM spare parts ensures that PCM products last as long as possible, benefit from warranty protection and maintain their CE conformity.

### } Delivery time and responsiveness

Standard spare parts are dispatched within 24 hours. The orders received before 4:00 pm are processed the same day. A dedicated spare part expert is at your disposal for any information or order request.

### } Unmatched component quality

Using genuine PCM spare parts is the smart choice. It is the only way to ensure that our products remain covered by our warranty and maintain their CE conformity until their end of life.

### } Expertise in elastomers

We formulate and manufacture our own elastomers. Because we know elastomers play a critical role in our products' life cycle costs, we have developed hundreds of formulas to adapt to the most difficult fluids, while other pumps manufacturers use third-party elastomers.

## ABOUT PCM



Founded in 1932 by René Moineau, the inventor of the Progressing Cavity Pump, and Robert Bienaimé, from Gevelot Group, PCM is today one of the world's leading manufacturer of positive displacement pumps and fluid-handling equipments.

Our specialty is developing solutions for the lifting, transfer, dosing, mixing and filling of abrasive, fragile, viscous, corrosive, hot or heavy products. Present around the world, we provide solutions to three main sectors: **Oil & Gas, Food and Industry.**

PCM RANGE OF  
FOOD PUMPS  
AND SYSTEMS

www.pcm.eu

**For further information:**  
[www.pcm.eu](http://www.pcm.eu)  
[contact@pcm.eu](mailto:contact@pcm.eu)

## TRANSFER

### PCM HYCARE™

Hygiene and food safety



#### Performances

- Pressure: 16 bars [232 psi]
- Flowrate: from 20 l/h to 50 m³/h [220 USGPM]
- Particles size: 32 mm [1.26 inch]
- Range: 22 models

#### Benefits

- Protection of products quality and texture
- Hygienic design including a flexible Duraflex shaftline
- Reduced maintenance

### PCM EASYFEED

Transfer of highly viscous fluids, heterogeneous with or without particles, pasty or sticky



#### Performances

- Pressure: 16 bars [232 psi]
- Flowrate: up to 50m³/h
- Hopper: standard 260x150mm, 350 x 240mm, 520 x 350mm, and customised on request

#### Benefits

- Versatility: transfer of different products with high viscosity
- High performance hydraulics for abrasive products
- Design in compliance with food standards
- Simplified maintenance

### PCM DELASCOTM DX SERIES

Transfer of fluids with particules, abrasive and/or corrosive



#### Performances

- Pressure: 15 bars [217.5 psi]
- Flowrate: up to 15m³/h

#### Benefits

- Low shear (preservation of product texture)
- Self-priming, dry running allowed
- Reversible
- No dynamic sealing



### PCM HYFEED

Transfer of viscous and heterogeneous products



#### Performances

- Pressure: 24 bars [348 psi]
- Flowrate: 52.5 m³/h [231 usgpm]
- Hopper: 263 x 150 mm, 350 x 240 mm, 518 x 349 mm

#### Benefits

- Versatility and robustness: transfer of various products
- Design highly suitable for food contact
- Simplified maintenance

### PCM ECOMOINEAU™ C WITH FIXED STATOR

Low LCC



#### Performances

- Pressure: 16 bars [232 psi]
- Flowrate: from 3 l/h to 180 m³/h [792 USGPM]
- Particles size: 32 mm [1.5 inch]
- Range: 26 models

#### Benefits

- Respect of fragile and viscous products
- The shortest progressing cavity pump on the market
- Easy maintenance through its revolutionary joint and its patented connecting system

### PCM DOSYDRUM

Transfer/Unloading of viscous fluids with or without particles



#### Performances

- Discharge pressure: 4 bars
- Flowrate : 2.3T/h maxi
- Particules sizes: 48 mm maxi

#### Benefits

- Hygienic design
- Clean in Place (CIP)
- Self-priming, dry running allowed
- Compact design and flexible solution (from Eurobin, drum, or other containers)



## INJECTION / DOSING

### PCM DOSYFRUIT™ PREMIUM



#### Function

- Fully automated mono or multi-ingredients dosing with BIB or containers racking (industrial production of fruit yoghurts)

#### Option

- "Compact" version: underframe container, weighting
- "Basic version": single ingredient dosing for semi-automatic process

#### Benefits

- Minimized product losses
- Increase of industrial equipment productivity
- 100% reliable and repeatable
- Respect of ingredients with or without markers
- Hygienic



### PCM DOSING UNIT



#### Function

- Mono or multi-ingredients dosing of small batches with BIB, containers or hopper racking

#### Benefits

- Versatility
- Compactness and mobility
- 100% reliable and repeatable
- Respect of ingredients with or without markers
- Hygienic



### PCM HOPPER STATION



#### Function

- Mono or multi-ingredient dosing with hopper racking (semi-industrial or artisanal production)

#### Benefits

- Modular and autonomous system
- Automatic CIP
- 100% reliable and repeatable
- Respect of ingredients with or without markers
- Hygienic



### PCM ADDITIVE STATION



#### Function

- Dosing of small doses of mono or multi-perfum aroms or liquid additives with cans racking

#### Benefits

- Compact and flexible station
- Ease of use
- 100% reliable and repeatable
- Hygienic



### PCM LAGOATM

Diaphragm dosing pump



#### Performances

- Pressure: 12 bars [175 psi]
- Flowrate: 315 l/h per pumphead [1.4 USGPM/pumphead]
- Accuracy: +/- 1%

#### Benefits

- Simple and robust
- Reliable
- Versatile
- Reduced maintenance



## MIXING

### PCM DOSYMIX™

Dynamic mixer



#### Performances

- Pressure: 10 bars [145 psi]
- Flowrate: 0.7 m³/h to 6 m³/h [3 to 26 USGPM]
- Particles size: 25 mm [1 inch]
- Range: 5 models

#### Benefits

- Mixing of heterogeneous and sensitive products without shearing
- Hygienic design
- Cleanable in place
- Option: hopper function



### PCM DOSTAM

Static mixer



#### Performances

- Flowrate: 0.5 to 60 m³/h [2 to 260 USGPM]
- Range: 6 models

#### Benefits

- Mixing of homogeneous fluids
- Easy to install
- Operation without energy (static without drive)



## FILLING, TOPPING, STUFFING

PCM studies your needs and proposes solutions adapted to your constraints.

### PCM DOSYFILL

#### Function

- Filling of diversives viscous products in various containers

### PCM ADDITIVEFILL

#### Function

- Filling of liquid ingredients



### PCM DOSYFEED & PCM ADDITIVEFEED

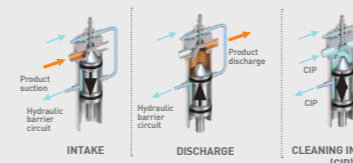
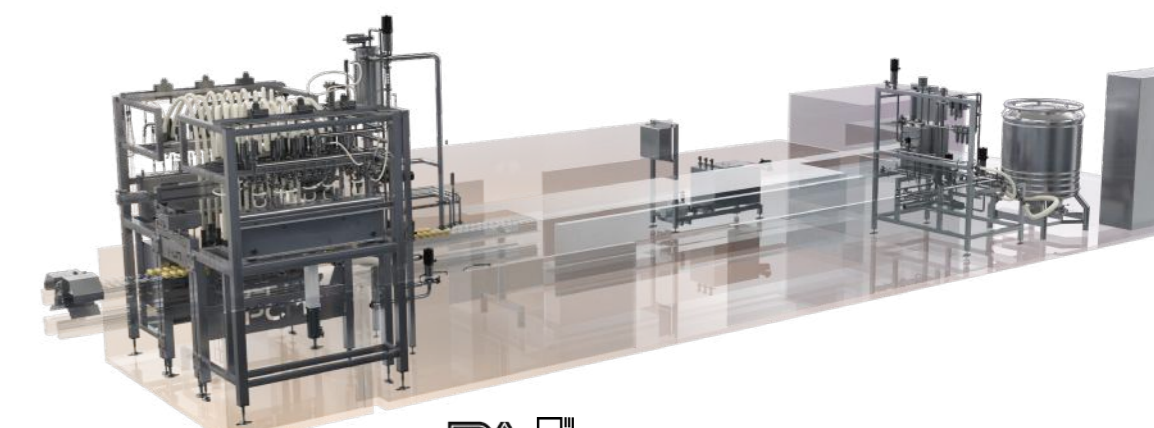
#### Function

- Stuffing of viscous or liquid products in diverse food preparations

### PCM DOSYTOP

#### Function

- Topping of ingredients



### DOSYS™ TECHNOLOGY PRINCIPLE

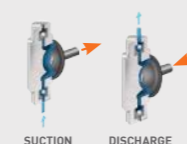
Dosys™ pump automatically synchronizes dosing volumes with the filling station for optimal performance. It also meters the ingredients with precision (+/- 0,5%), thanks to the servo-driven piston and a patented flow-control valve. Dosys™ pumps are designed to handle liquids, semi-solids and viscous products without degrading their texture.



ATEX certification (for the European Union) indicates that the equipment complies with explosive atmosphere.

### MOINEAU™ TECHNOLOGY PRINCIPLE

A Moineau™ pump consists of a helical rotor turning into a helical stator. When the rotor turns inside the stator, the honeycomb progresses spirally along the axis of the pump without changing either shape or volume. This action transfers the product from the pump intake to the pump discharge without degrading the product.



### LAGOA™ TECHNOLOGY PRINCIPLE

The Lagoa™ pump is composed of a membrane connected to a piston of which the alternating movement successively fills and empties the pumphead.



### DELASCOTM™ TECHNOLOGY PRINCIPLE

The peristaltic principle is based on the capacity of a soft elastomer hose to accept a deformation and subsequently draw fluids as it recovers its initial shape. The peristaltic pumps are equipped with high and low pressure hoses.



EHDG certification (for European Union) and 3A standard (for the United States) guarantee that PCM has applied the hygienic rules from the choice of materials to the design and manufacturing of equipment.



The compliance with 1935-2004 standard (for European Union) and FDA standard (for the United States) ensure suitability for food contact materials and equipments traceability.