



# PELLEX C+

**PATENTED**

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# PELLEX C+

## THE MACHINE

The PELLEX C+ is a food processor which converts pellets and mixes of pellets/grain grits into a chip/cake/cracker in one operation without the need for further treatment.

## PROCESS DESCRIPTION

- The pellet(-mix) is fed through a hopper, volumetrically metered and introduced by a feed-slide into the mould.
- The mould closes, crushing and baking the pellets for a short period, after which a little opening is created to enable the expansion of the pellet or pellet-mix and thus forming the chip.
- The chips are ejected onto a conveyor, which leads them to the flavoring and/or packaging area.

## THE RAW MATERIAL

The PELLEX C+ processor processes pellets such as gelatinized wheat, rice, corn, potato, soy pellets into popped chips, while also processing corngrits into "popcorner"-type of product.

## PREPARATION

No extensive pre-treatment of the pellet is needed, but some moisture or other adjustment can be beneficial for the product. This can be obtained by a simple mixing process.

## FLAVOURING

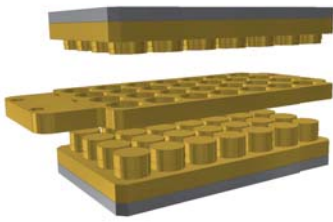
Heat-stable flavours or salt can be added before the baking, though this tends to increase the necessity and frequency of mould cleaning.

Spraying and/or dusting afterwards is advised.

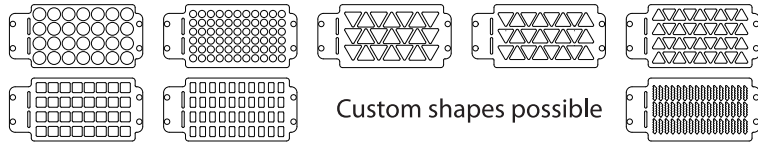


## DIES OR MOULDS

The three part moulds, consisting of separately heated upper and lower mould parts and a pneumatically driven ring, are designed to reduce sticking and thus cleaning time. The dies are protected with a titanium coating.



Preview of some existing shapes



## PLC & HMI

B&R is a European manufacturer of our PLC's which is producing high quality industrial electronics.

- There is no main PLC provided. Each of the machines has its own small PLC which are all linked to a CAN-Open bus.
- One display is provided for each line of max 10 machines, which enables to program the individual machine parameters.

Each machine is separately controllable and adjustable via a separate PLC.



## MACHINE OUTPUT

Output capacity depends on:

- the pellet or pellet-mix being processed
- desired weight of the finished product
- desired appearance of the finished product

All these elements have an impact on the baking time and therefore a more exact calculation can only be made, once the raw material and end-product have been defined and tested.

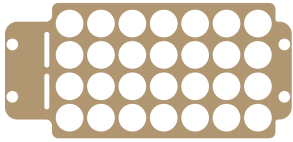
## TECHNICAL DATA

Power Consumption	260/480V, 50-60Hz - max consumption 9 kwh
Heating	8 heating elements 1250W/220-230V
Compressed air	From 6 to 8 BAR 150NI/min Clean, dry and free of oil
Dimensions	Width : 640 mm Depth : 1200 mm Height : 2200 mm Weight : 750 KG



28-MI

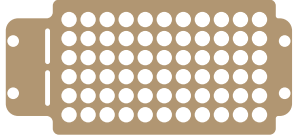
round cakes



Dimensions	40mm - 45mm
Weight	0.9 to 2.0 gram
Cakes per cycle	28
Output per hour	Up to 12600 pieces

66-MB

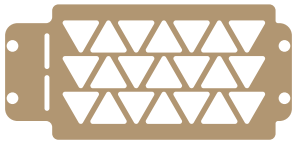
round cakes



Dimensions	25mm diameter
Weight	0.4 to 0.8 gram
Cakes per cycle	66
Output per hour	Up to 29700 pieces

21-TR

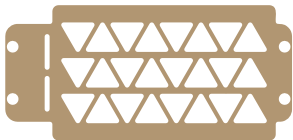
triangular cakes



Dimensions	Triangle side 6.5 cm
Weight	0.9 to 2.0 gram
Cakes per cycle	21
Output per hour	Up to 9450 pieces

24-TR

triangular cakes



Dimensions	Triangle side 6 cm
Weight	0.9 to 2.0 gram
Cakes per cycle	24
Output per hour	Up to 10800 pieces

36-TR

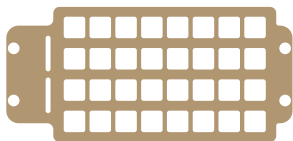
triangular cakes



Dimensions	Triangle side 5 cm
Weight	0.9 to 2.0 gram
Cakes per cycle	36
Output per hour	Up to 16200 pieces

32-SQ

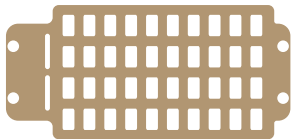
square cakes



Dimensions	35mm by 35 mm
Weight	1.5 to 2.5 gram
Cakes per cycle	32
Output per hour	Up to 18000 biscuits

40-BC

rectangular cakes



Dimensions	25mm by 45 mm
Weight	1.5 to 2.5 gram
Cakes per cycle	40
Output per hour	Up to 18000 biscuits

48-CRINKLE

crinkles



Dimensions	53mm by 13mm
Weight	1.0 to 2.0 gram
Cakes per cycle	48
Output per hour	Up to 21600 pieces

PELLEX C+  
die sets

CUSTOMIZED  
DIE SHAPES  
AVAILABLE

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