

opz.
sugar,
nuts

tulip
paper cup



baking time
25'

→ 12" → 16" → 5'4"

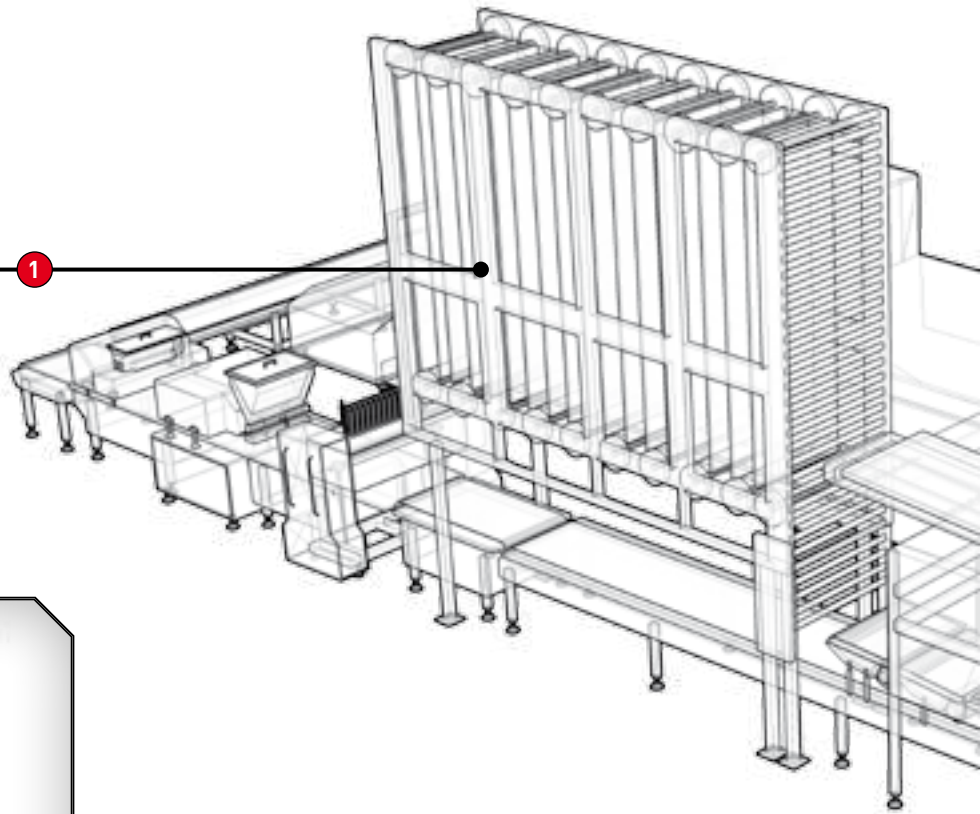


AUTOMATIC PRODUCTION LINE

MISSION

Supply a production line for cakes with paper cup
 Propose a full automatic solution
 Optimize the available space
 Handle a medium/high production

Produce 3 products types: 2 round and 1 rectangular
 Optimize baking and cooling phases
 Realize a control system of automatic production line by means of data and dedicated product recipe



TECHNICAL SOLUTION

Alimec supplied a compact and performing line in terms of efficiency and productivity

Paper Cups Denester, Batter Depositor and Injection unit completely driven by servomotors, suitable for several products types and high performance

Innovative compact cooling system – not in tray – suitable to significantly reduce the cooling time and the number of trays in the system 1

Trays handling system made with materials suitable to reduce the noise, wear and tear of trays and ensure accuracy in the transport and positioning 2

Supply perforated trays to reduce the cooking time and then increase the production capacity

PLC and HMI for the control of the production line and the storing of data and recipes

PRODUCTS



CUP CAKE /
MUFFIN



TULIP
MUFFIN



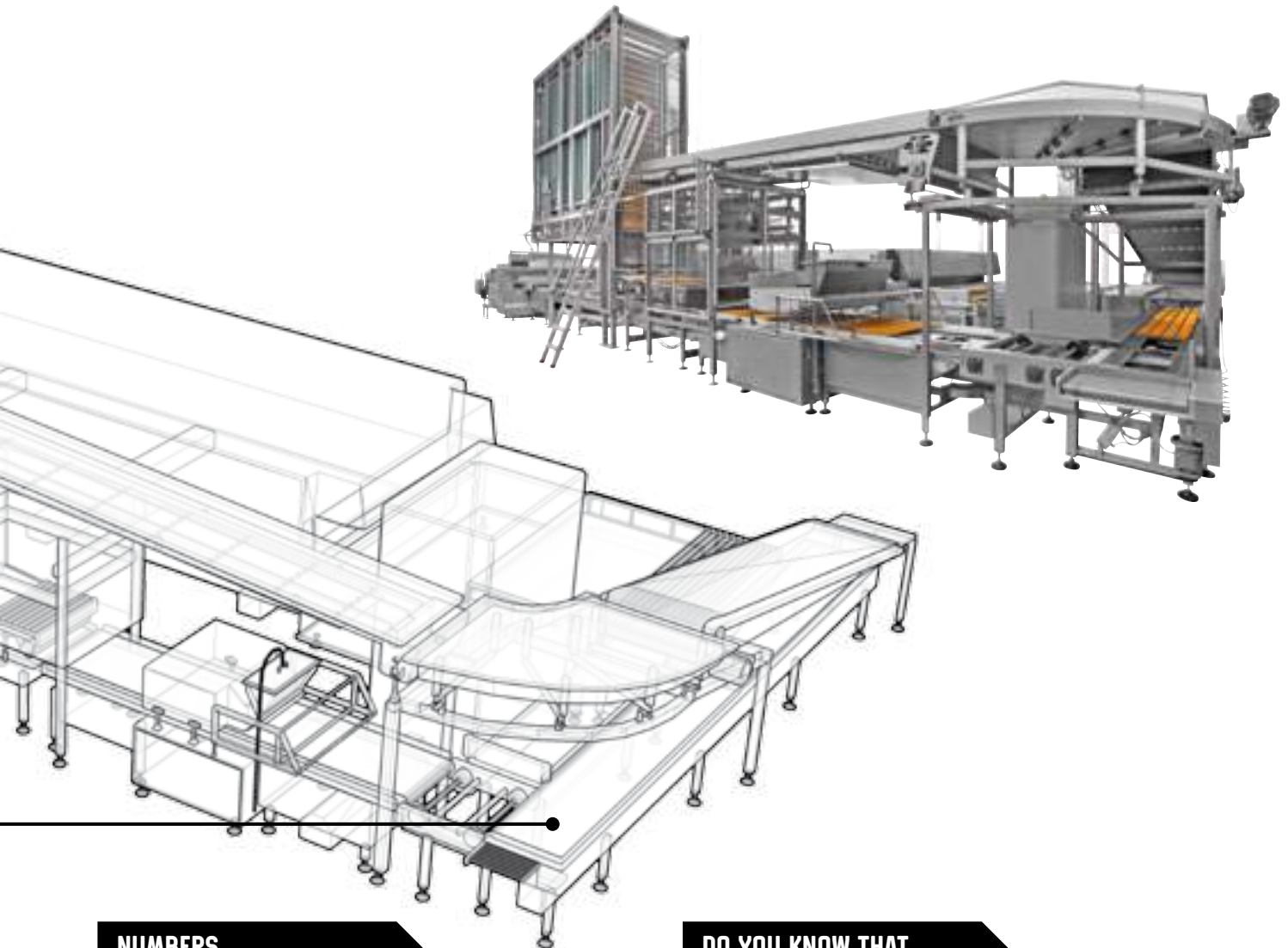
INJECTED
CUP CAKE / MUFFIN



INJECTED TULIP
MUFFIN



RECTANGULAR
CAKE



NUMBERS

Production / hour:	30.000 pcs/h
Capacity:	1.350 Kg/h
Trays / minute:	8,3 /min
Tray size:	1.000x500 mm

DO YOU KNOW THAT...

Another possibility is to cool the products using a cooling tunnel.

Our sales department and our expert team can provide you with more information: contact us!

SEMI AUTOMATIC PRODUCTION LINE

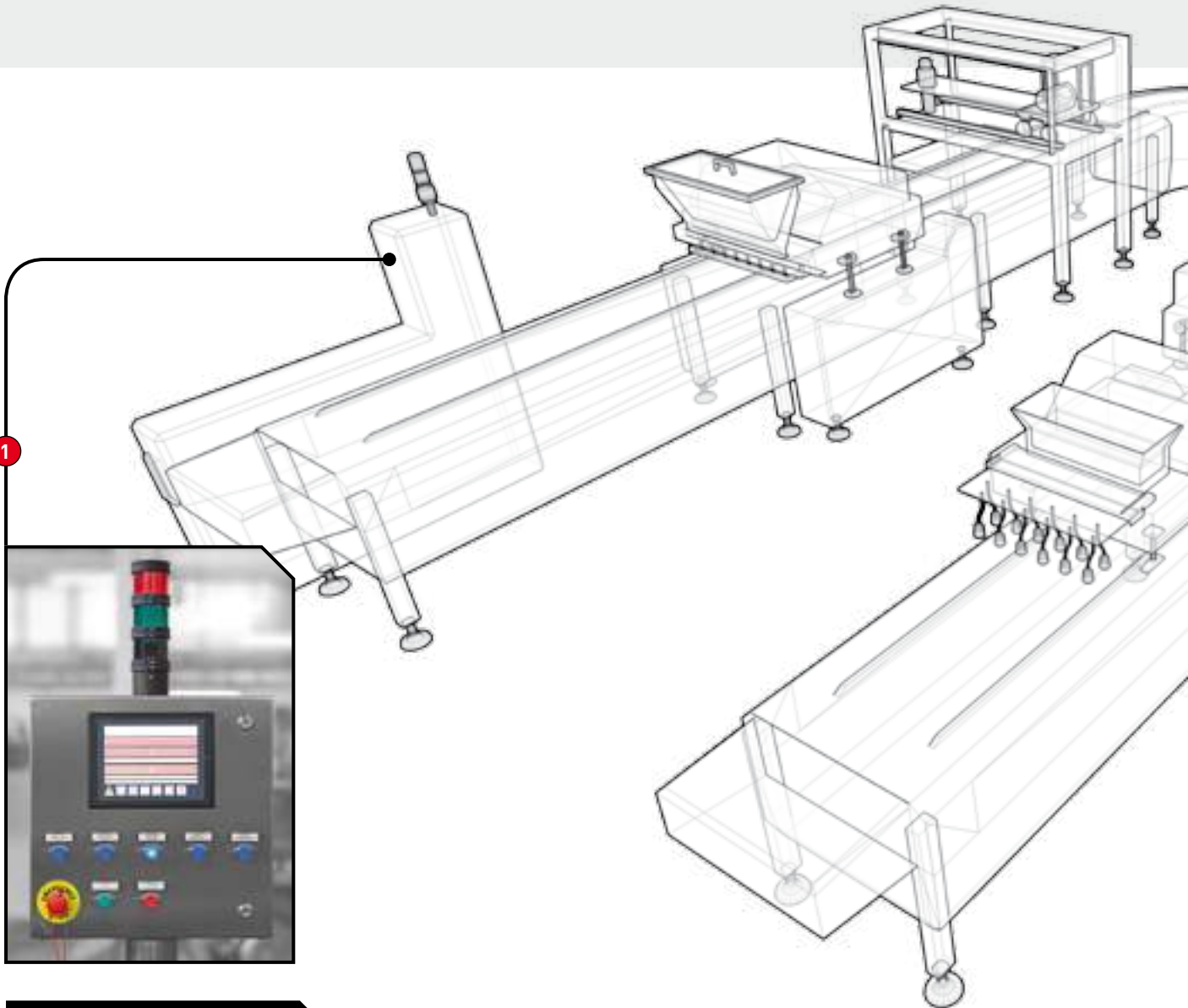
MISSION

Supply a semi automatic line, compact, versatile and not requiring a significant / high investment

Handle a medium/low production capacity

Produce different types of cake

Optimize the production process



TECHNICAL SOLUTION

Alimec provided a line with 'U' configuration with loading/unloading of trays controlled by the same operator

Production flow that reflects an automatic production line

Use of rack ovens which require less space and small investment

Paper Cups Denester, Batter Depositor and Injection unit completely driven by servomotors, suitable for several products types and high performance

PLC and HMI for the control of the production line and the storing of data and recipes

Feeding of batter depositor with over hopper and bowl lifter

1

2

PRODUCTS



CUP CAKE /
MUFFIN



TULIP
MUFFIN



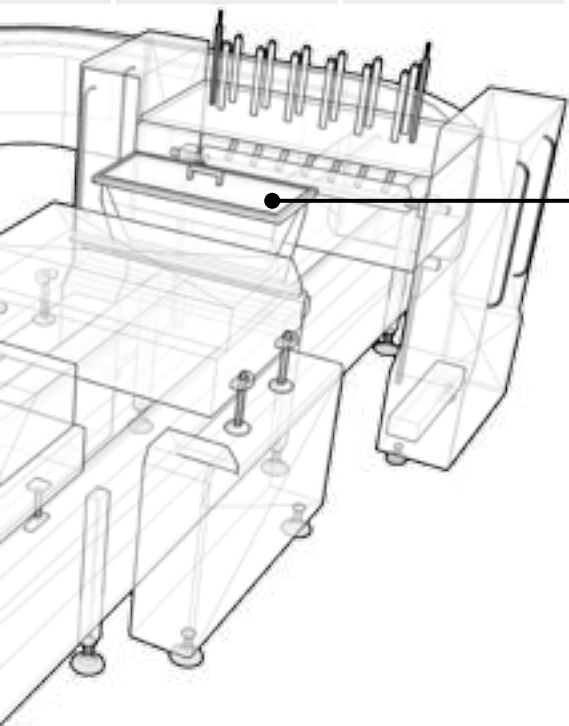
INJECTED
CUP CAKE / MUFFIN



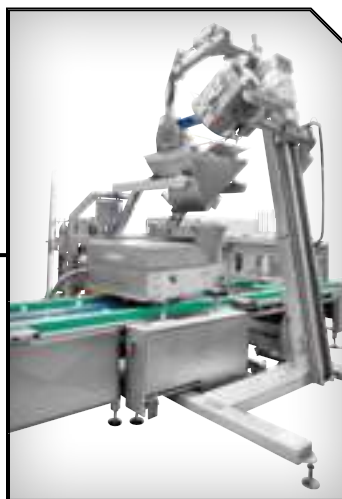
INJECTED TULIP
MUFFIN



RECTANGULAR
CAKE



2



NUMBERS

Production / hour:	10.000 pcs/h
Capacity:	500 Kg/h
Trays / min:	5,5 /min
Tray size:	600x400 mm

DO YOU KNOW THAT...

A semi automatic line in the future can be fully automated.
Our sales department and our expert team can provide you with more information: contact us!

PAPER CUPS DENESTER

MISSION

Provide two paper cups denesters to be inserted on two existent production lines, denesting paper cups with different shape and material

Machines to be installed on two band ovens having 1.000 mm and 1.200 mm working width

Deposit of paper cups directly on the oven band or inside cardboard tray

High precision of paper cups pick and place

Automatic control system by means of data and dedicated product recipe

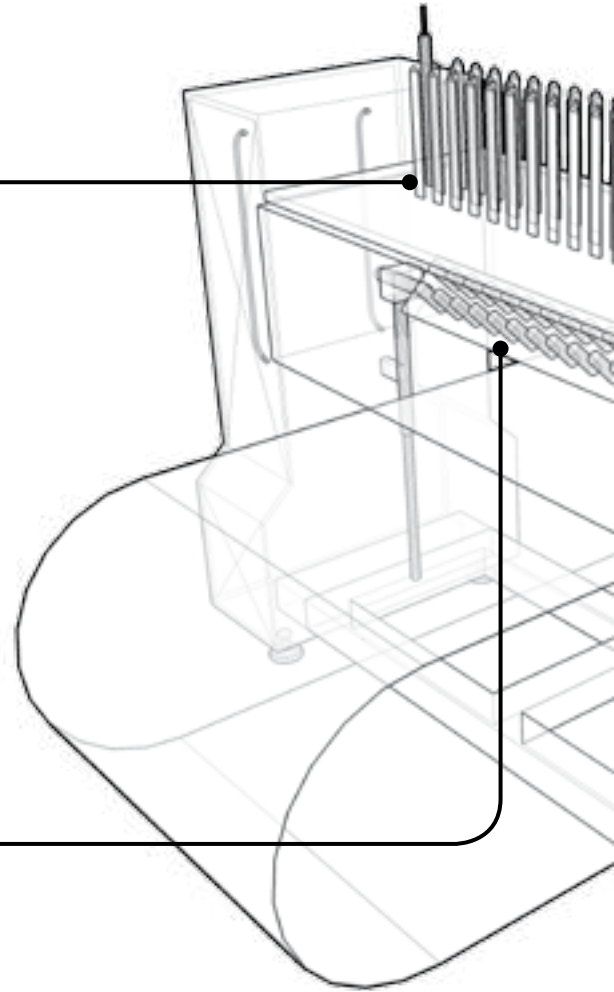
LOCATION:
NETHERLAND



1



2



TECHNICAL SOLUTION

Alimec supplied two flexible Paper cups Denesters driven by servomotors and with up-down movement to have an absolute and perfect control during the pick and place of paper cups on the oven band

Handling of no.7 paper cups types

Codified sensor to recognize tool

1

Collector with suction system suitable for paper cups pick and place (no suction cups system)

2

PLC and HMI for the control of the machine and the storing of data and recipes

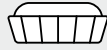
PAPER CUPS



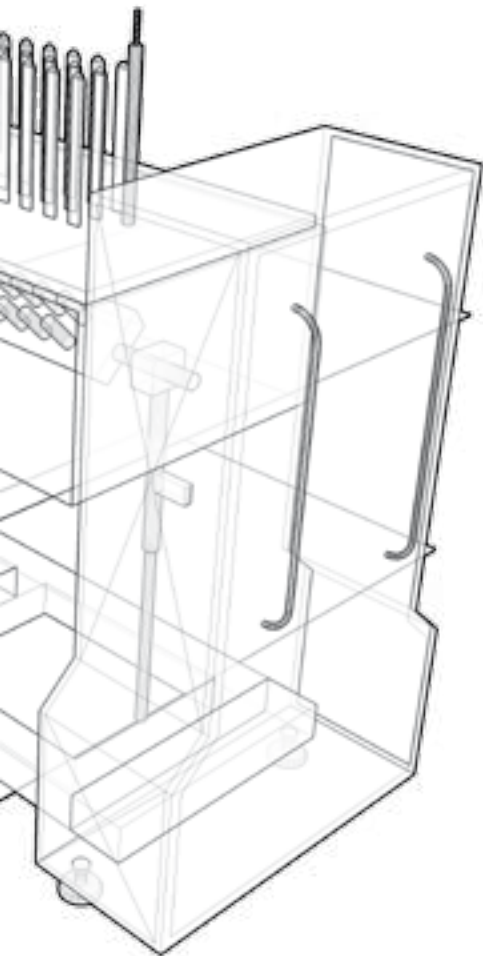
ROUND
PAPER CUP



TULIP
PAPER CUP



RECTANGULAR
PAPER CUP



NUMBERS

Production / hour:	25.000 pcs/h
Paper cups / minute:	416 pcs/min
Machine / speed:	17,3 strokes/min

DO YOU KNOW THAT...

This machine could work with a wide range of paper cups and is able to deposit them on band oven or moulded trays.

Our sales department and our expert team can provide you with more information: contact us!