



CONTINU AERATING SYSTEMS B.V.

Partner in Aeration

Marshmallow combination line, for :

extruded marshmallow



and

(center filled) deposited marshmallow



Marshmallow line consists of:

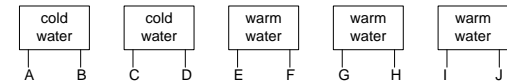
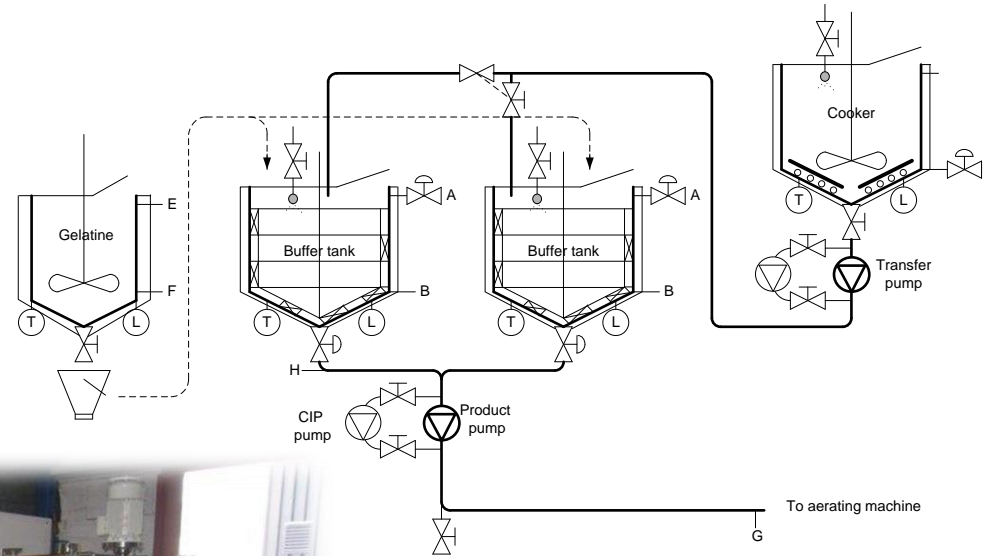
- 1 - Marshmallow Cooker (kitchen)
- 2 - Aerating system with color injection
- 3 - Conveyor line
- 4 - Starch depositor (bottom and top)
- 5 - Extruder / (center filled) Depositor
- 6 - Guillotine
- 7 - De-starch drum with conveyor
- 8 - Starch handling



Partner in Aeration

-1- Marshmallow Cooker (kitchen)

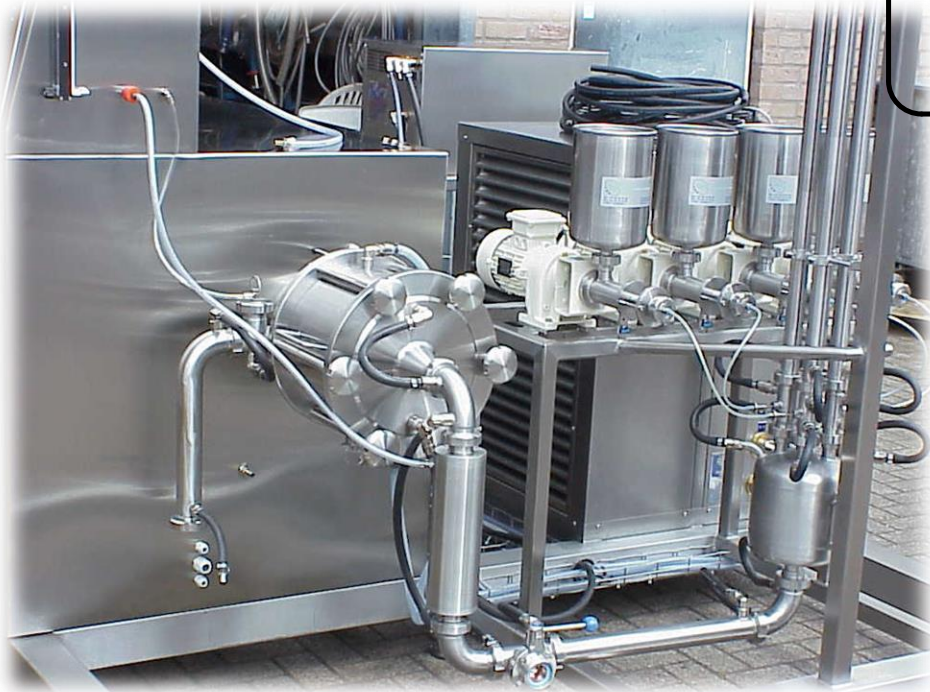
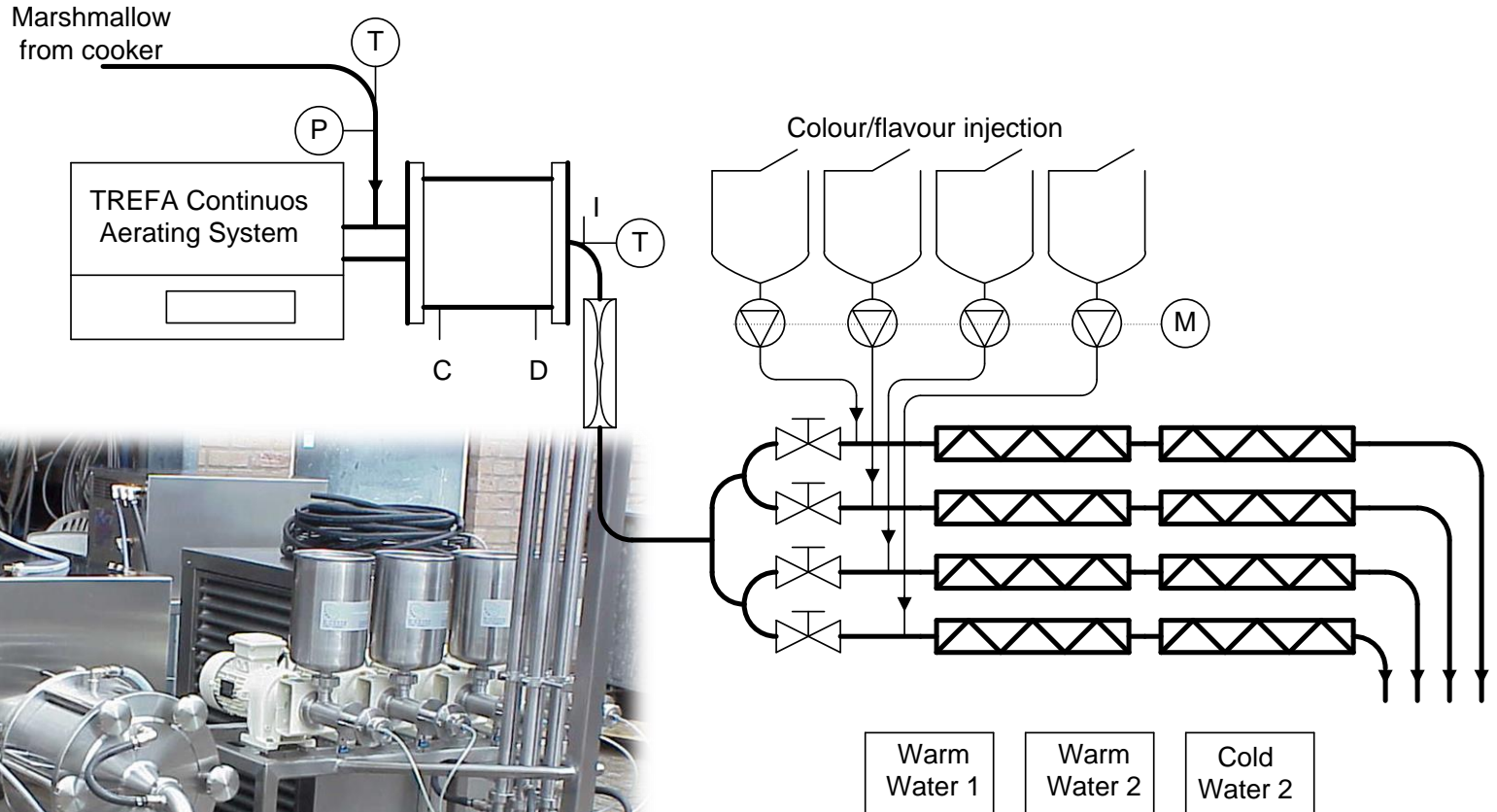
KITCHEN TO MIX THE INGREDIENTS AND COOK THE UNAERATED MARSHMALLOW MASS



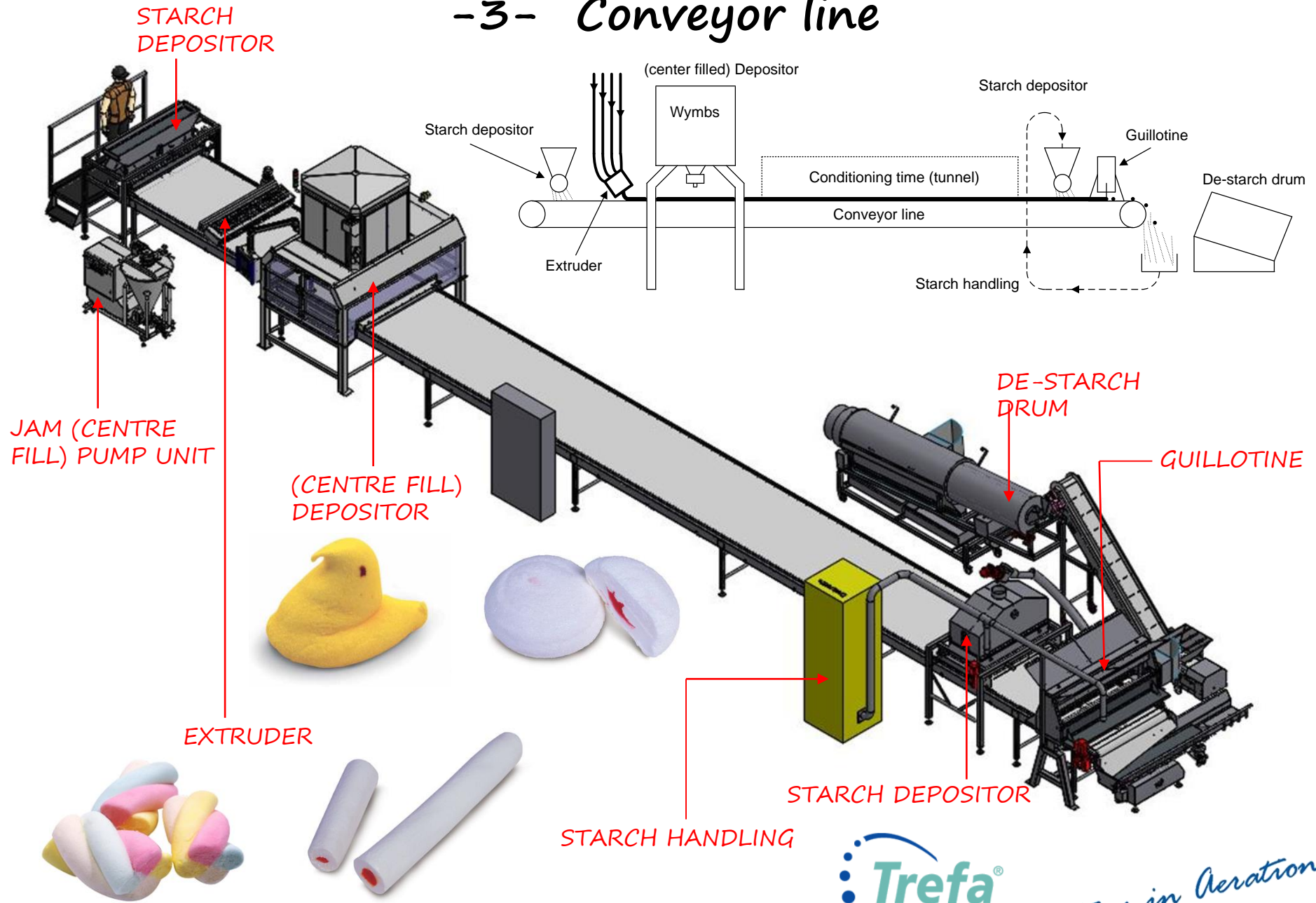
Partner in Aeration

-2- Aerating System with color injection

AERATING MACHINE TO AERATE AND COLOR THE MARSHMALLOW



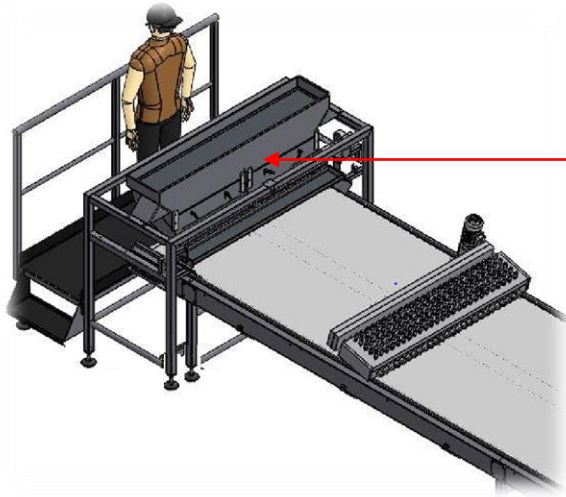
-3- Conveyor line



Partner in Aeration

-4- Starch depositor (bottom and top)

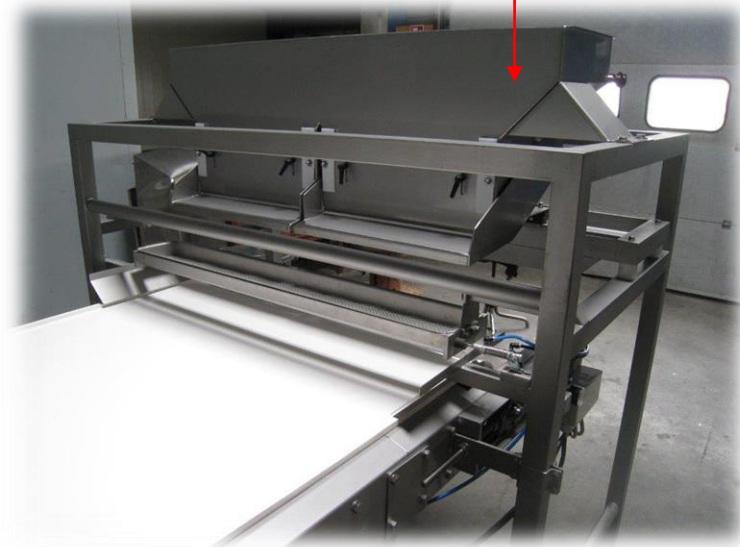
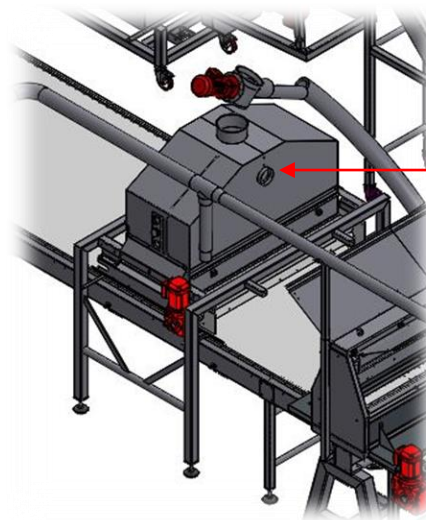
STARCH IS USED TO PREVENT THE MALLOW STICKING TO CONVEYOR OR GUILLOTINE



STARCH DEPOSITOR
(BOTTOM, THIN
LAYER, JUST TO
COVER THE BAND)



STARCH DEPOSITOR
(TOP, THICK LAYER,
PRODUCT TOTALLY
COVERED WITH
STARCH)

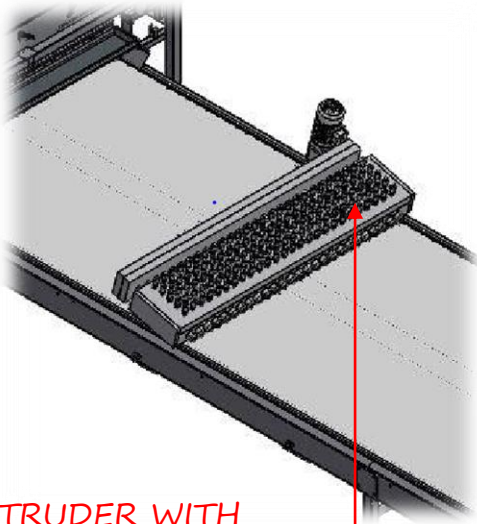


Partner in Aeration

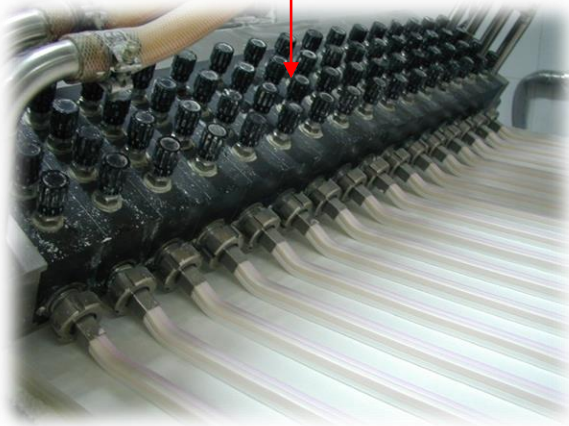
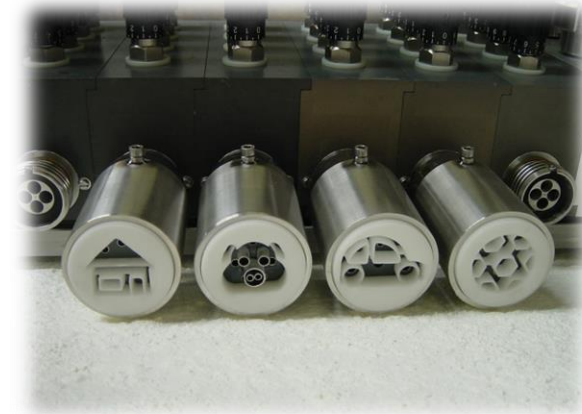
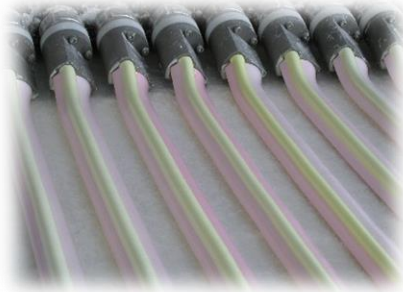
-5- Extruder

VARIOUS SHAPES BY CHANGING NOZZLES AND/OR ROTATION

TYPICAL EXTRUDED SHAPES



EXTRUDER WITH
CHANGE PART
NOZZLES

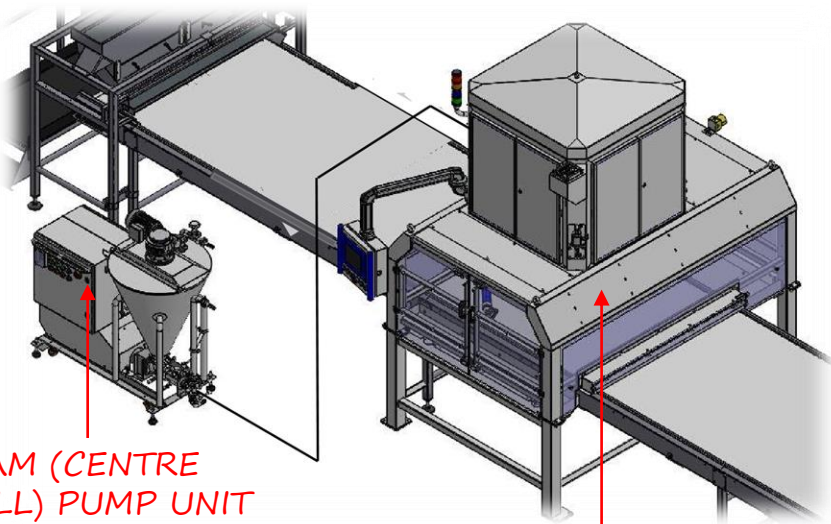


Partner in Aeratron

-5- Center Fill Depositor

VARIOUS SHAPES BY CHANGING NOZZLES AND/OR PROFILES

TYPICAL (CENTER FILL) DEPOSITED SHAPES



JAM (CENTRE FILL) PUMP UNIT

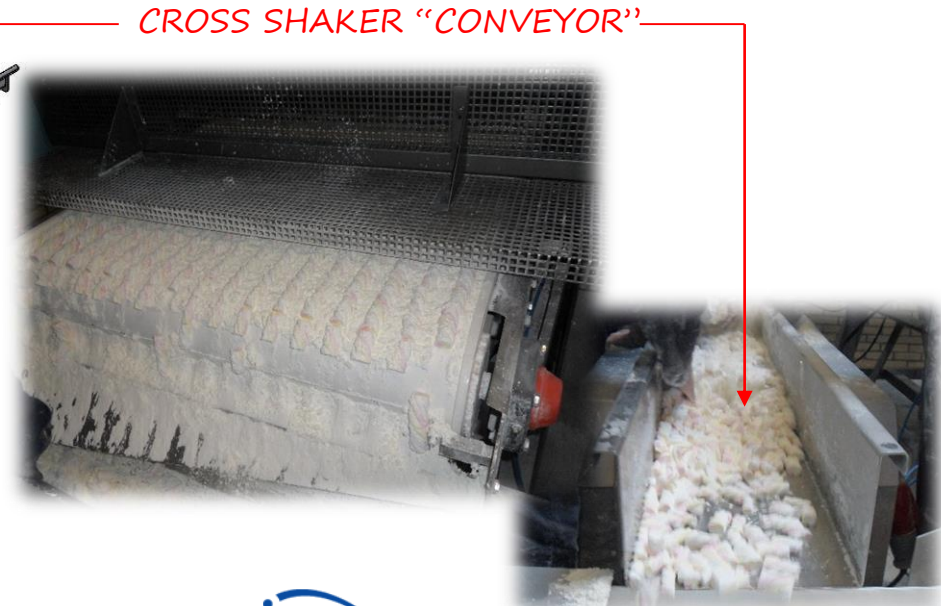
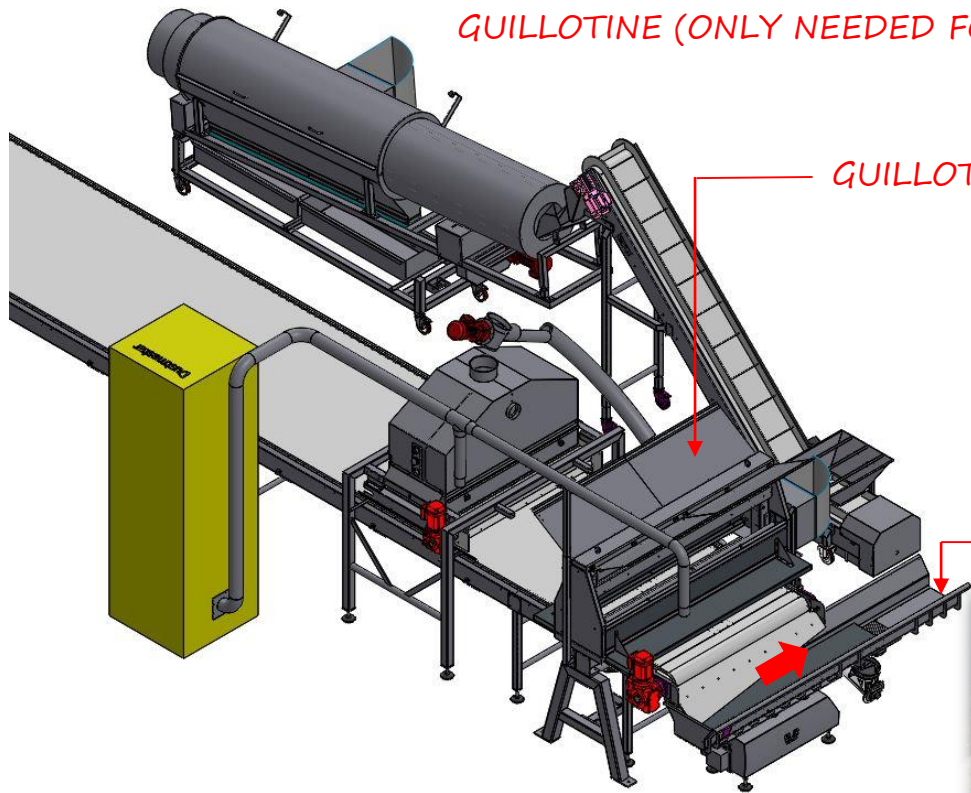
(CENTER FILL) DEPOSITOR



Partner in Aeration

-6- Guillotine

GUILLOTINE (ONLY NEEDED FOR EXTRUDED MARSHMALLOW)



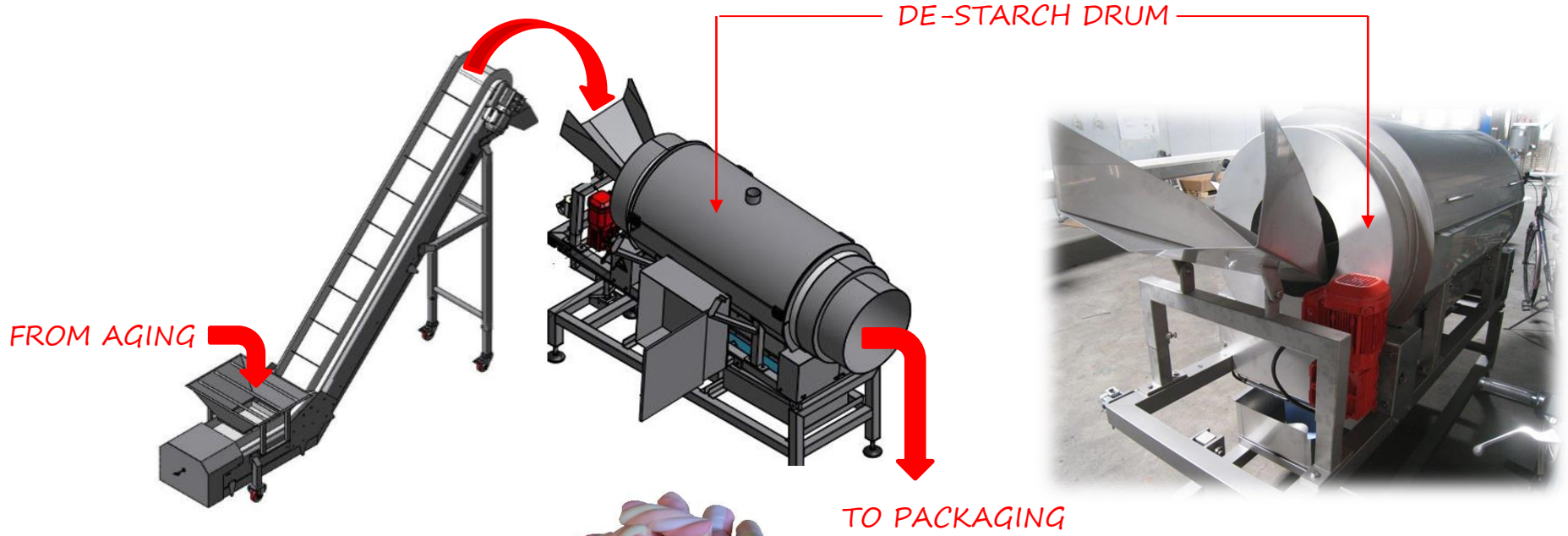
AT THE END OF THE CONVEYOR PRODUCT "FALLS" ON A CROSS SHAKER "CONVEYOR" AND IS COLLECTED IN TRAYS FOR AGING



Partner in Aeratron

-7- De-starch drum with conveyor

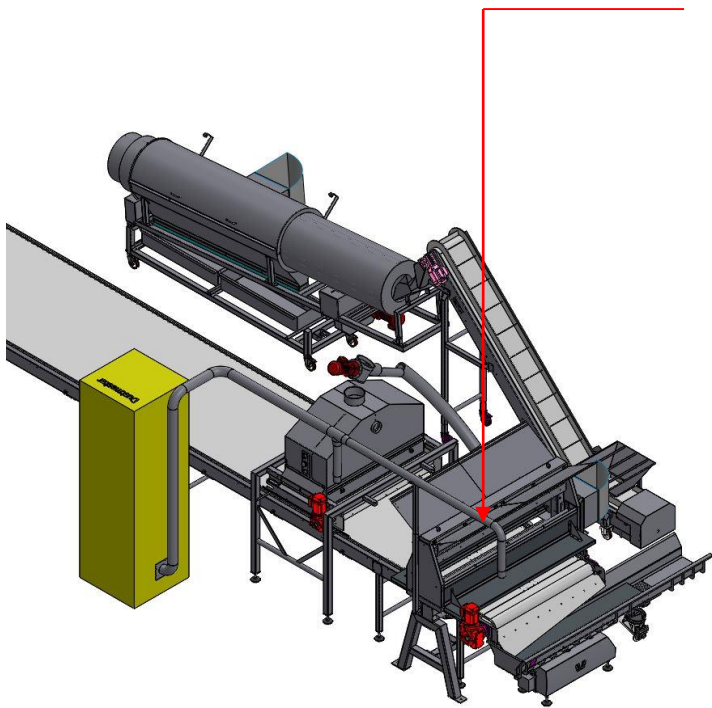
AFTER AGING FOR SEVERAL HOURS IN A CONDITIONED ROOM, PRODUCT IS MANUALLY TRANSFERRED TO THE DE-STARCH DRUM FOR DE-STARCHING PRIOR TO PACKAGING



-8- Starch handling

TO MINIMIZE THE STARCH DUST, SUCTION MOUTHS ARE AT THE TOP DEPOSITOR AND CROSS SHAKER

STARCH DUST SUCTION MOUTHS



STARCH RECYCLING BY MEANS OF A "SCREW CONVEYOR"

STARCH FROM THE CROSS SHAKER AND DE-STARCH DRUM IS RECYCLED TO THE TOP STARCH DEPOSITOR. THE BOTTOM STARCH DEPOSITOR HAS "NEW FRESH" STARCH



Partner in Aeration