



L A L E S S E

- EXTRUSION





Lalesse Extrusion manufactures:

- extruders, single screw, short screw; cap: 100 – 400 kg/hr

- Complete extrusion lines:
from mixer, screw conveyor to extruder, dryer and coating equipment
cap: 100 – 1.000 kg/hr ready to eat snacks

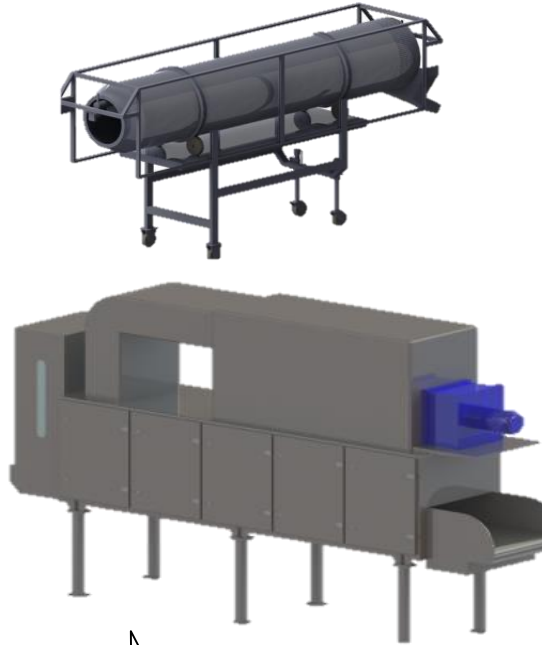
- Full lines for high capacity production of direct expanded snacks
this can include a twin screw extruder, obtained from industry friend



A Lalesse full extrusion line



mixer
+screw conveyor



Rotary dryer
Belt dryer



flavor equipment

The mixing process



- Grits mixer
- Easy loading from bottom
- Fast feeding
- Quick mixing
- Part of buffer system
- Uniform mixing result



The Lalesse Direct Drive extruder



- hygienic design total stainless steel:
support frame and housing
- integrated hopper in housing
- closed feeding vibrator to outside
- direct drive system power drive system:
28 KW, 63 Amps
- integrated heater plate for die heating
- computer control panel
(alternative: panel with buttons)
- lower total height / lower working height
- Water cooled main drive
- Water cooled process housing
- Screw and sleeve push out device
change of process parts in minutes

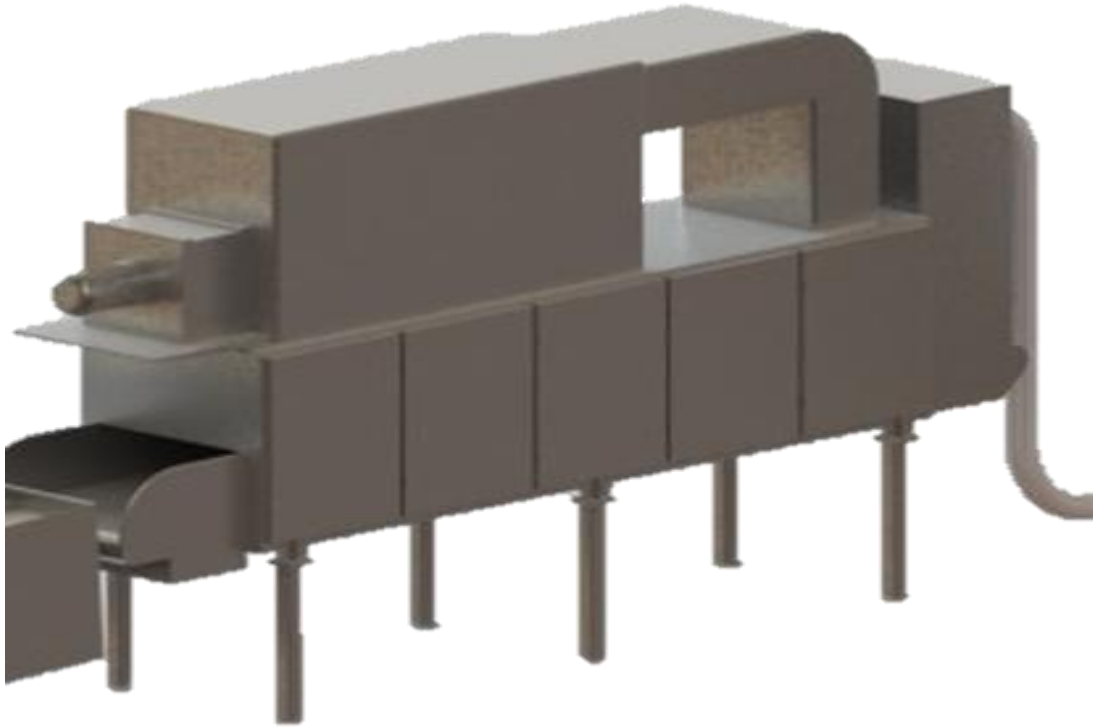


The extrusion process





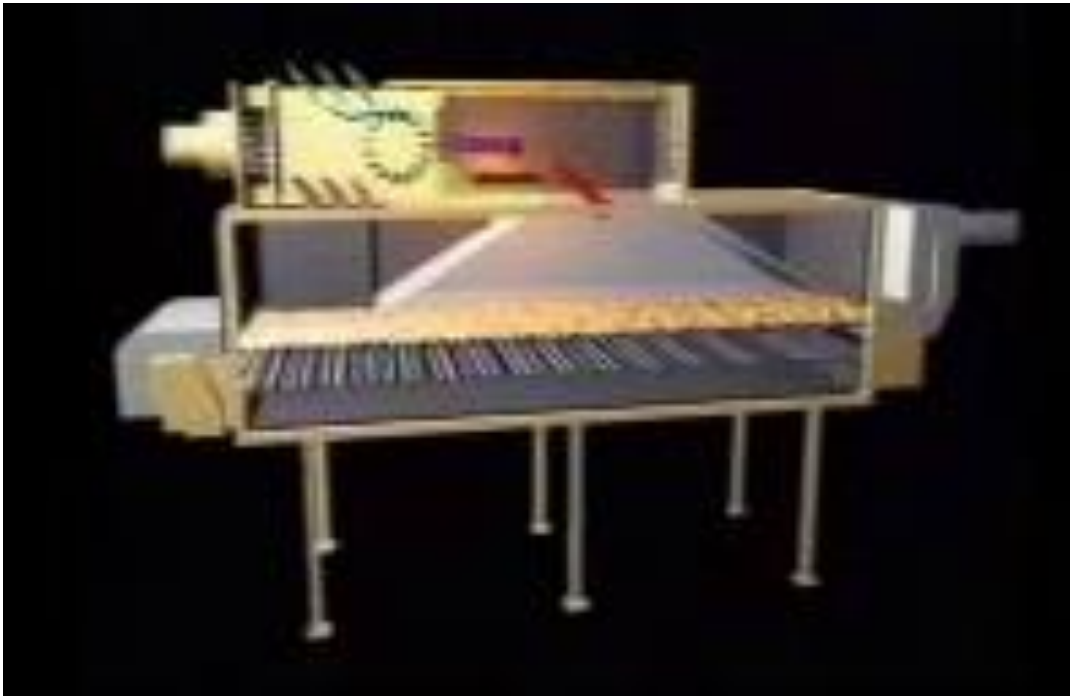
The Dryer



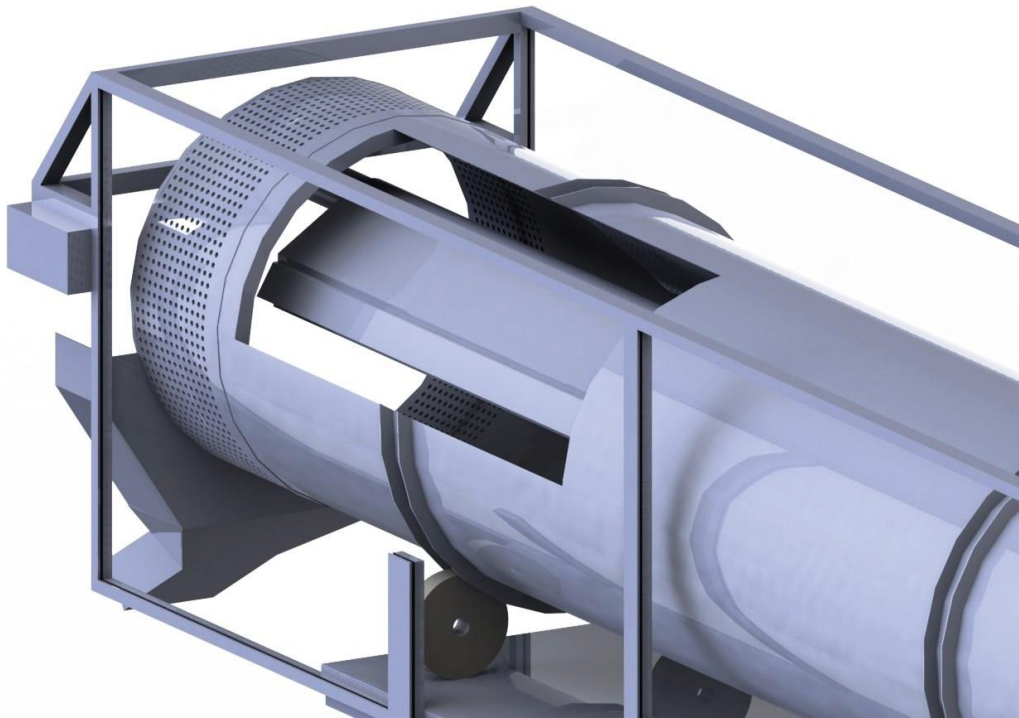
- Belt dryer
- Single pass
- Hot air drying
- Circulation of air
- Choice in power
(gas/fuel/electricity/
steam)



The drying process



The Dryer



- drum dryer
- Single pass
- Infra red drying
- Hood inside drum
- Electrical heated



The Coating drum

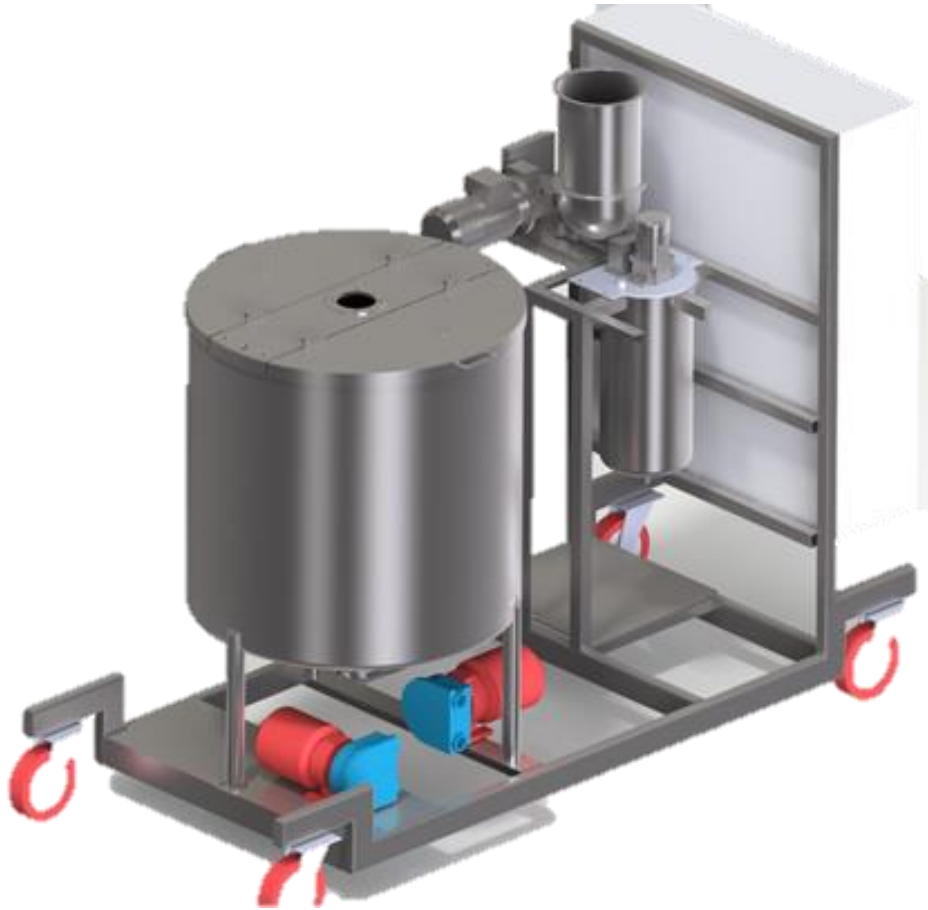




The coating process



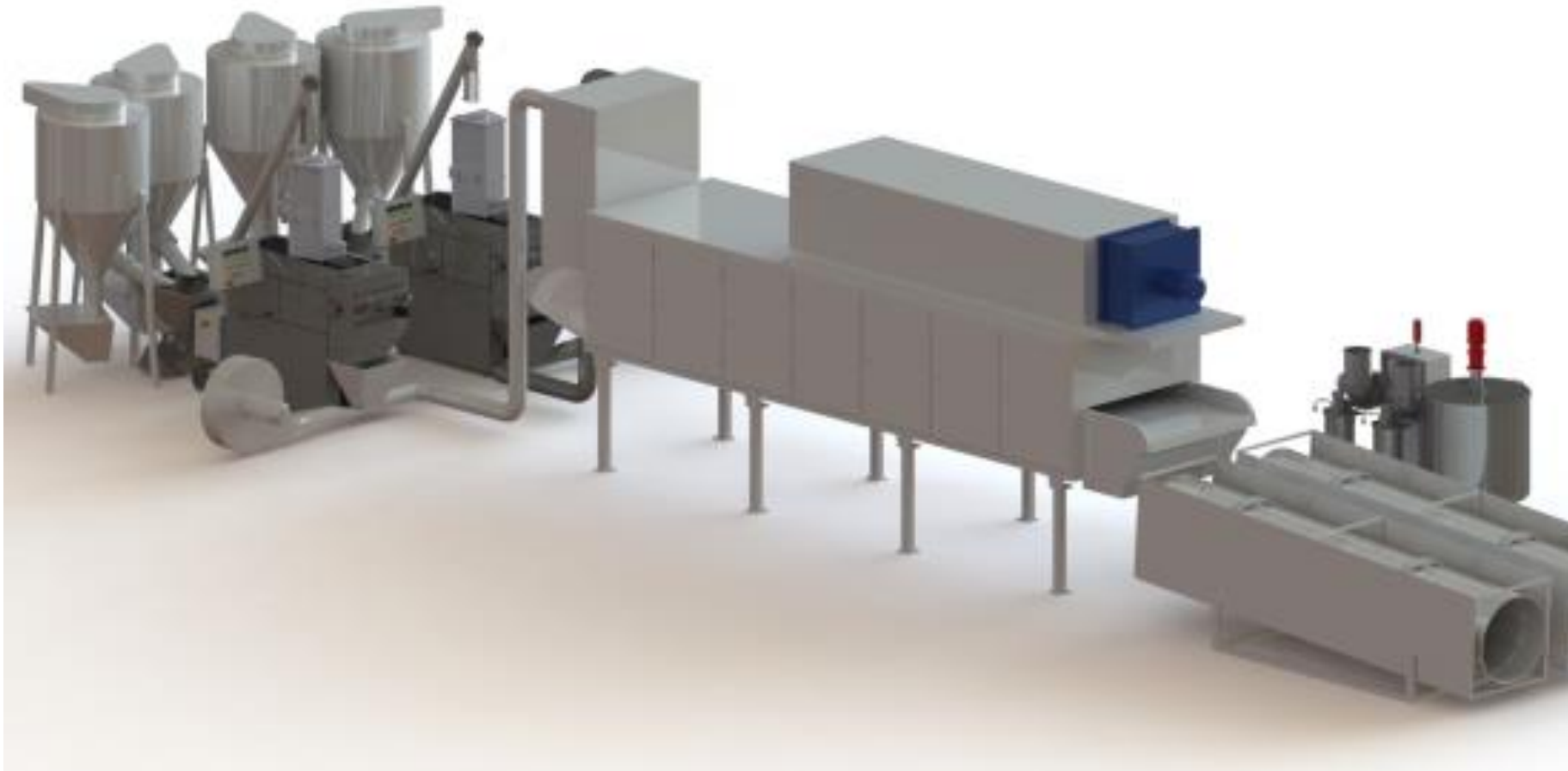
The New slurry maker



- Slurry is pumped to drum
- Total set up is lower / easier
- For higher capacity slurry making
- Double slurry maker optional



A Lalesse higher capacity line





The Lalesse higher capacity extruder



Some shapes





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