



RoboPop Factory

Solutions for savory and caramel popcorn production

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RoboLabs has accumulated its experience in the field of popcorn production to apply new technologies for large scale popcorn production

Corn kernels are popped in Grand Robopop 220 popcorn machine. The machine heats corn by the Vortex* of hot air, no oil is used for popping.

Production capacity of one Grand Robopop 220 machine is **100 kg/h** of raw corn.
Popper equipped with sifter.

Up to four Grand Robopop 220 machines can be installed in Robopop Factory line, depending on your production needs.

*Due to applied patented Vortex air popping technology, popcorn kernels are rapidly heated, popped, and immediately vortexed away from the hot zone. Since the time in the hot zone is so short, popcorn is both crunchy and tender,



POPCORN POPPER Grand Robopop 220

Savory popcorn production line, up to 200 kg/h of savory popcorn

Scalable line for savory popcorn production

Depending on the desired productivity one or two Grand Robopop 220 machines can be installed.

Line consists of the following elements:

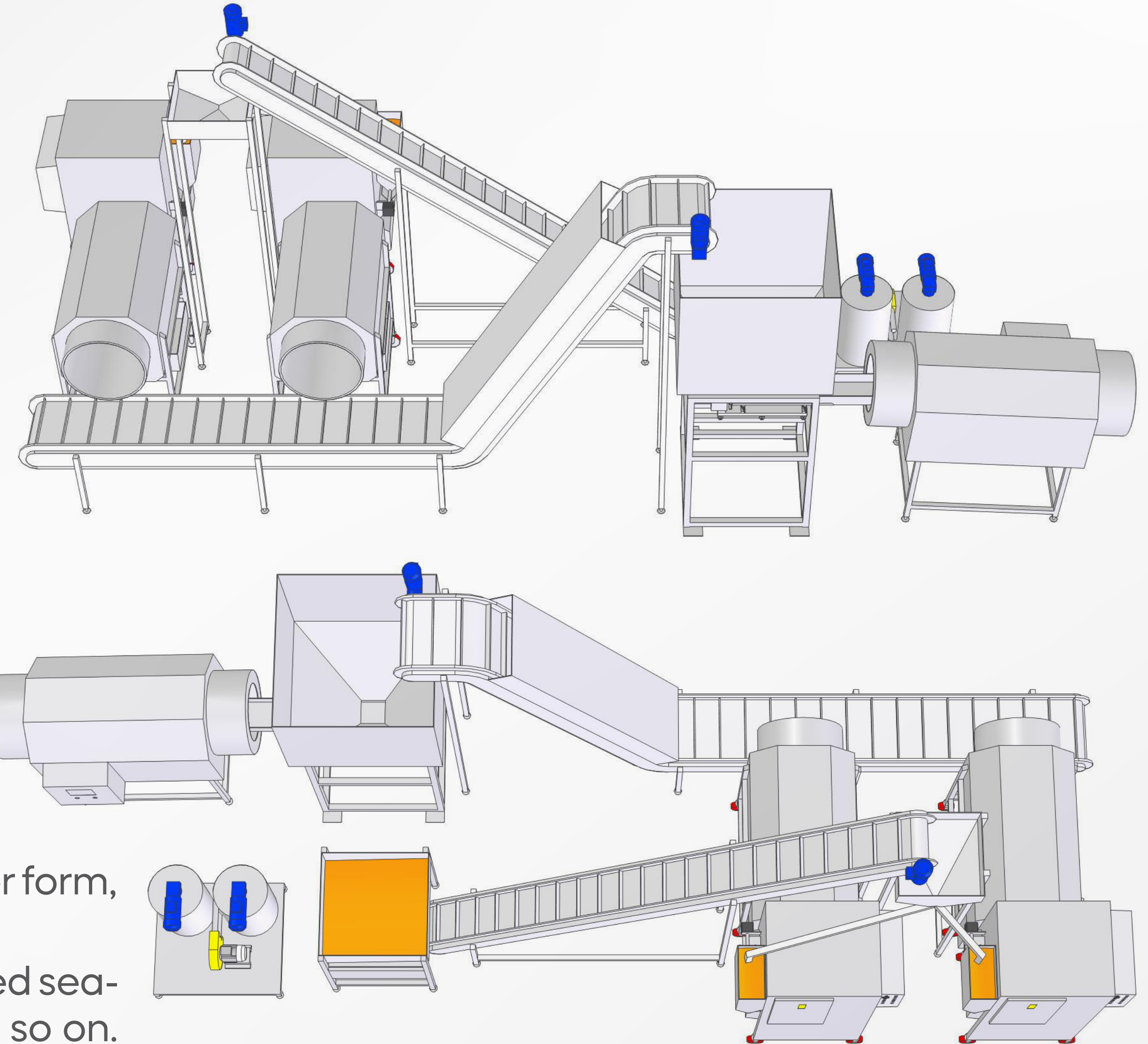
- Raw corn transporting conveyor
- Grand Robopop 220 popper
- Popcorn transporting conveyor to Collecting Bin
- Popcorn Collecting Bin with vibrating feeder
- Oil Batch feeding system
- Popcorn coating drum

After popping popcorn through conveyor belt is delivered to collecting bin.

Collecting Bin accumulates popcorn that comes from popcorn machine, and continuously feeds it to coating drum.

Slurry station prepares slurry out of oil and seasoning in powder form, and supplies it into coating drum.

In the coating drum popcorn gets coated with various oil-based seasoning slurries, such as cheese, tomato, paprika, pepper and so on.



Caramel coated popcorn production with SugarLips 100 and caramel popcorn cooling table

SugarLips 100 has kettle volume 300 Liters.

You can make around 3-3,5 batches of caramel popcorn in hour.

Productivity will depend on recipe and production technology used.

Operation process:

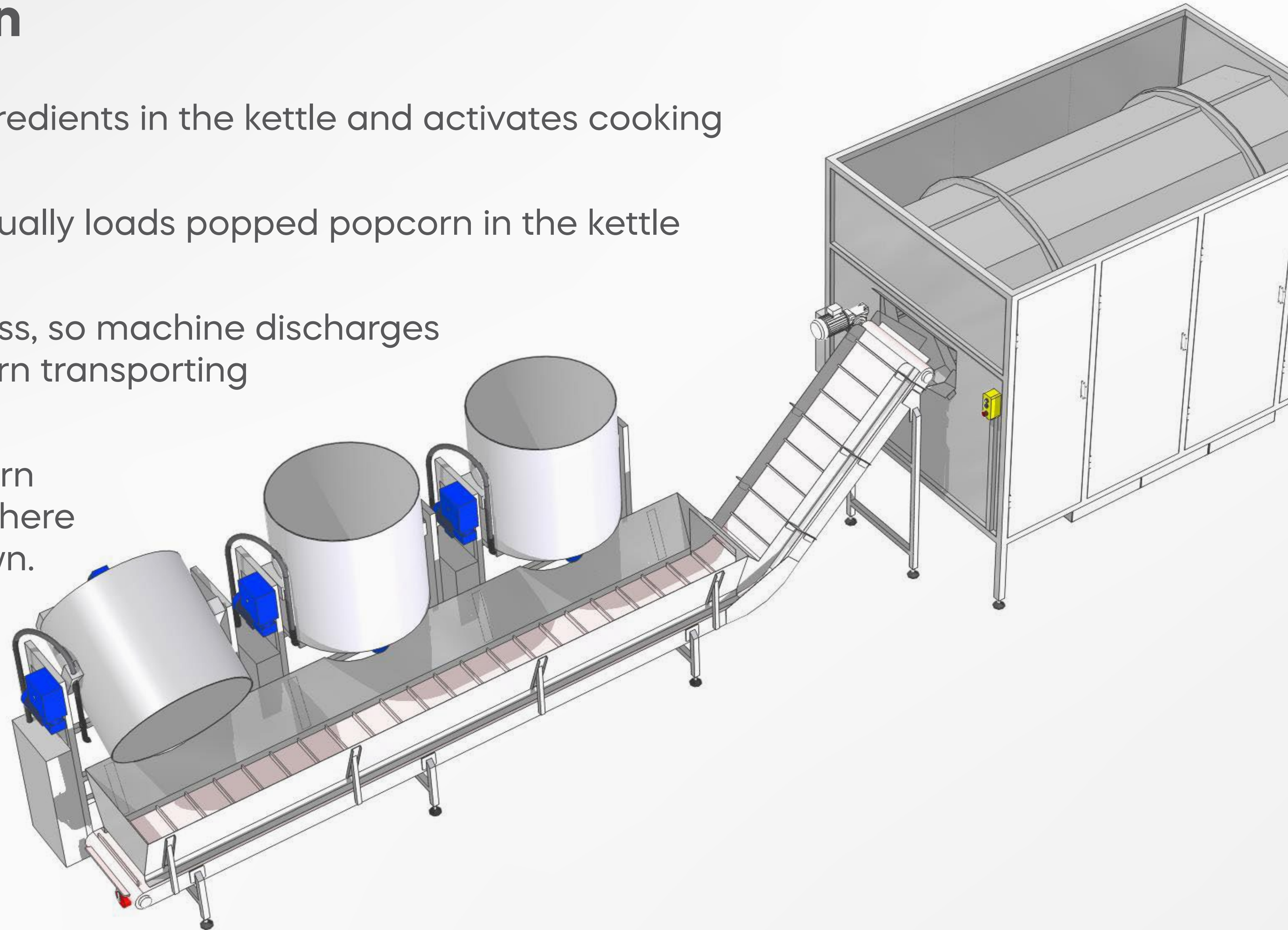
- Operator manually loads caramel ingredients in the kettle and activates cooking process.
- When caramel is ready operator manually loads popped popcorn in the kettle and activates coating process.
- Operator activates discharging process, so machine discharges coated popcorn to the cooling table, then operator cools down the product on the cooling table manually.
- Operator activates process of getting the kettle back in upright position.



Caramel Popcorn Production with automated cooling of caramel coated popcorn

- Operator manually loads caramel ingredients in the kettle and activates cooking process.
- When caramel is ready operator manually loads popped popcorn in the kettle and activates coating process.
- Operator activates discharging process, so machine discharges coated popcorn to the coated popcorn transporting conveyor.
- Conveyor delivers caramelized popcorn to Caramel Popcorn Coating Drum, where popcorn is separated and cooled down.

**From up to three caramelizers
SugarLips 100 can be installed**

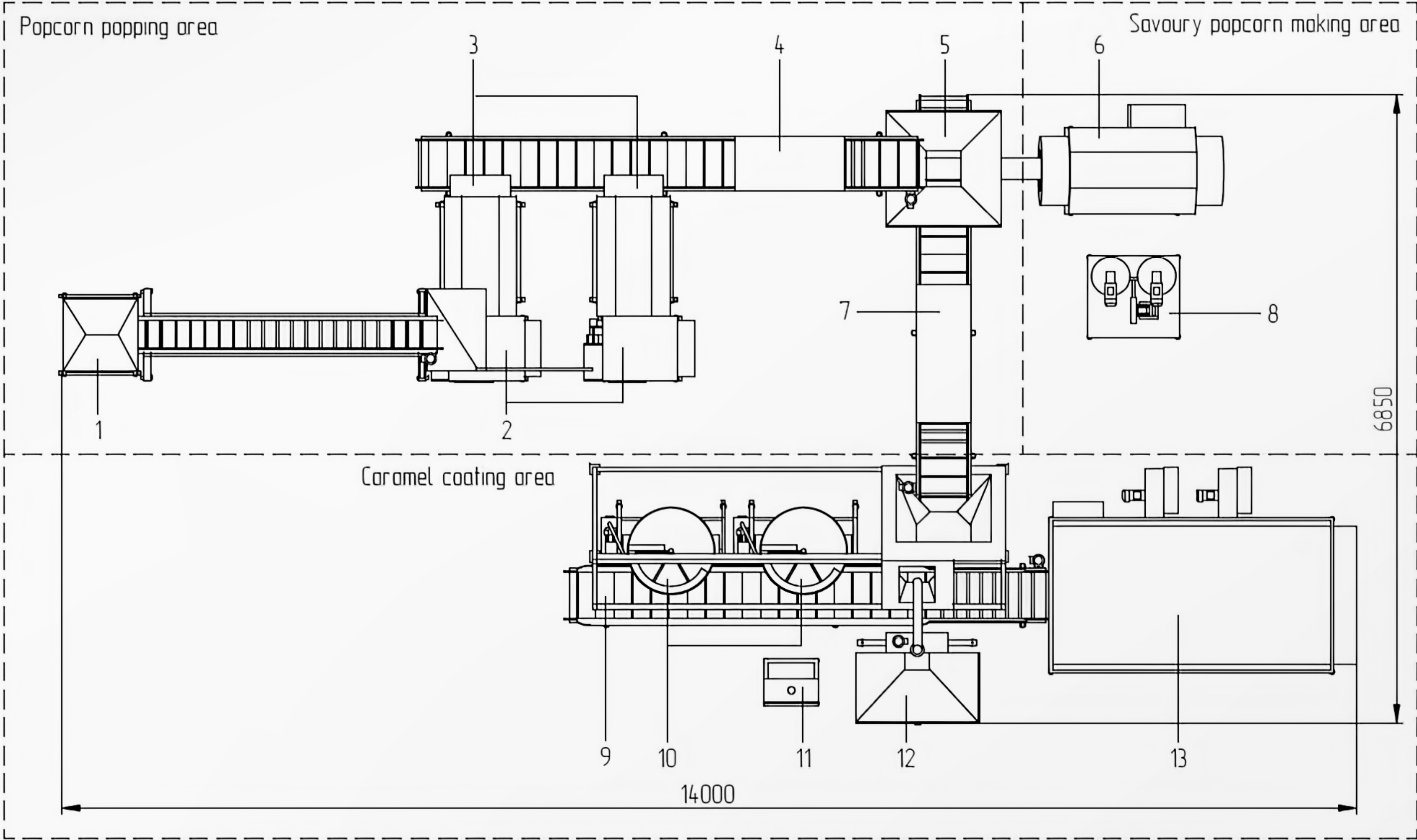


Fully automated line for savory and caramel popcorn production RoboPop Factory

Using Vortex Popcorn hot-air popping technology the line produces ready-to-eat Butter Flavored Popcorn (Curry, Paprika or Tomato, even Masala or a variety of other spicy flavors!), as well as delicious Caramel or Cheese...

Configuration

- Raw corn transporting conveyor supplying corn to poppers
- Vortex popcorn machine Grand Robopop 220
- Popcorn Collecting bin with dispenser
- Oil Batch feeding system
- Coating drum for savory popcorn
- Batch feeding system for caramel popcorn ingredients
- Caramel popcorn coater
- Caramel popcorn cooling drum



Industrial popcorn equipment Robopop Factory projects

Starting each new project we carefully consider customers' needs to tailor our popcorn production solution accordingly.



The project in Italy required productivity 300 kg/h of savory popcorn.

To reach the productivity we needed to adjust the standard line to fit three Grand Robopop 220 poppers.

Automated caramel popcorn production line, up to 500 kg/h of caramel coated popcorn

The production line includes 5 caramel kettles SugarLips 100. Kettle volume is 300L. Two Grand Robopop 220 machines are sufficient to supply popcorn for 5 kettles. Automated batch feeding system provides loading of the caramel ingredients into the kettles. When caramel is ready, popcorn is added for coating.



After coating is completed, popcorn is discharged on the conveyor for further separation and cooling in the Cooling Drum.

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