

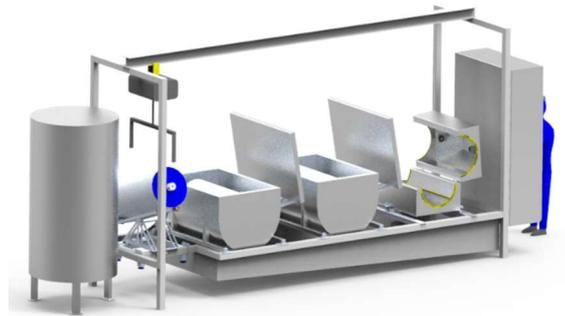
## **Basic System, completely manual operated**

The BioPrime 100L system is designed for drum priming like protocols. The system can be configured from manual up to fully automatic with container-container setup.

The 'base' of this system is, as with the BioRinse 100L modular system, a 200L drum. Liquid Matrix Priming can be executed in the Rinsing (water-uptake) module and Drum Priming can be executed in the Drum-Priming module. The Drum-Priming/Drying module is put on weigh cells and therefore the moisture content of the dry seed can be increased as in a regular 'Drum-Priming-Only' set-up or (very slowly) dried back according a so called 'Reverse-Drum-Priming' protocol. Movement of the Drum can be done manually but also fully automatically. Even including Drum Feeding/Unloading system i.e. container > container set-up.

### **Specifications:**

- 1x Empty/Filling unit (manually)
- 1x Rinse (water-uptake) unit
- 1x Drum-Priming unit
- 1x Drying unit
- 1x Heating unit for dryer (not in picture)
- 1x Hot water boiler / supply system
- 1x Manual hoist-jack with electrical lift
- 1x Control box (mainly manual operated)
- Capacity, 100L gross per batch

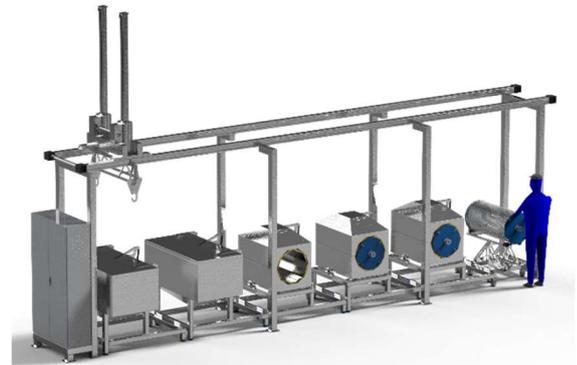


## **Semi-Automated batch system, manual filling**

This system is "semi" automatic. The seed filling / emptying goes by hand, however the complete process is automatic. After the operator places the seed in the bin and closes the cover the automated system will pick up the drum and move it between the several units. When the process is completely finished the drum can be moved towards the emptying station for manual emptying. With this unit you can run more automatic without manual movement of the drum.

### **Specifications:**

- 1x Empty/Filling unit (manually)
- 1x Rinse (water-uptake) unit
- 1x Drum-Priming unit
- 1x Centrifuge
- 2x Drying unit
- 2x Heating unit for dryer (not in picture)
- 1x Hot water boiler / supply system
- 1x Automated linear system for automatic protocol operation
- 1x Control box
- Capacity, 100L seeds gross per batch



## **Fully Automated system with seed filling / emptying**

This is the most advanced version of the BioPrime, by using special covers for the drums we can automatically empty and fill the drums. This system gives you the opportunity to run 24/7 with bigger seed lots. Optionally the system can send a signal towards a mobile phone when some kind of problem did occur. This makes the process mainly automatic without any labor. Press start and run completely automatic, this makes the unit easy to operate/run.

### **Specifications:**

- 1x Empty/Filling unit (automatic)
- 1x Drum Cover opening / closing system
- 1x Rinse (water-uptake) unit
- 1x Drum-Priming unit
- 1x Centrifuge
- 2x Drying unit
- 2x Heating unit for dryer (not in picture)
- 1x Hot water boiler / supply system (not in picture)
- 1x Automated linear system for automatic protocol operation
- 1x Seed Feed system
- 1x Seed belt system (outlet)
- 1x Control box (advanced)
- Capacity, 100L seeds gross per batch

