

Specification

Used ULTRA CLEAN Filling line
for PET bottles
Dry aseptik – cold filling

Make	Krones
Year	2014/2015
Capacity	18.000 bottles/h at 1,5l PET bottle 20.000 bottles/h at 1,0l PET bottles
Bottle	With flat bottom Bottle diameter: min. 50mm – max. 98mm Bottle height: min. 110mm – max. 360mm
Cap	Outer diameter: 39,90mm
Filling product:	Juices – cold filling Pulp: max. 0,4x0,4x0,4mm / fibres: 2x10 mm / particles: max. 5x5x5mm - crushable, no punches, no seeds, no hard particles / total- Solid content max. 10 % / viscosity 1 - 500 mPas / fat content max. 5 % - CO ₂ -content: 0 g/l - pH-value < 4,2 - Chlorid-content: < 40 ppm (valid for product and all medias, which connected with filler) - Conductivity: > 20 µS/cm
Filling temperature	8°C
Packs	3x2 tray in foil (only foil possible)
Availability	immediately

MACHINES:

Preformfeeding

Tipper Tanner
Preform container for single tipper with dust safety cover
Preform feeding: Kronos Contifeed RS
Complete covered conveyor, high lifter, roller sorter and infeed duct

Preform inner cleaning

KRONES PreJet Linear Rinser
With external air supply approx. 86M³/h @5bar
(customer side)

Blow moulding-filler-capper-bloc:

Blow moulding machine

KRONES Contiform 312,
Contipure Module for inner and outer preform disinfection
12 blowing stations, heating modul with infra red, bottom-quick-change, shell quick change device, Record of blow curve for each station, KRONES PET View

WITH
WITOUT

Chiller
Moulds
Compressor

Filler

KRONES VFJ 2.160-66-103
Pitch 126mm
54 filling valves, neck handling
Hygiene Cleaning Out of Place (COP)
Sterile air filter with steam disinfection unit
Central air condition technic via Air Handling Unit – Caverion,
Operating panel, control cabinet in VA closed to machine

Capper

KRONES screw capper with head drives
18 capper station with controlled drives
2 sorting unit, cap disinfection
Thread spraying

WITH

Plateau for cap disinfection and nitrogen injector
Nitrogen injector: TERBOVEN ISTE Aseptik 4

Cap feeding

Gassner SBF

Bottle conveyor	KRONES Synco With dry lubrication system (without main station) Distributor from 1 to 4 lanes – Make Meypack
Filling height detection	KRONES Checkmat FM-X Detection of filling height (Under filling with x-ray) and cap Control with 2 camera Filling unit and cap performance monitoring
Labelling machine	KRONES Controll-Combi 960-15, year 2013 Labelling of wrap around label from role (Standard- labelling)
WITH	Coding
Label check	KRONES Checkmat EM Camera for label check
Packing machine	KRONES Variopac PRO WT-FS-8, 80 pulsed/minute Portable gantry crane for using film only packing Feed chain for using film only packing 4-lane infeed with single controlled drives, with spacer drive, magazine for cartons Nordson hot glue unit (tray height <60mm) Shrinking tunnel













