Specification – Canning Line: Reference BUS001

## Background

Since planting our first trees in 1986 we've grown to become the largest independent cyder-maker in Cornwall and the first distillery for 300 years. Family owned and Cornish born and bred.

We are wishing to expand our offering by creating an in-house canning line.

We aim to **procure a new, or ex demonstration**, modern 6000 can per hour canning line. This will consist of a ‘de-palletiser’ which unloads the empty cans from a pallet into the machine, and a ‘uniblock’ which will rinse, fill and seam the can. Aiming to keep our capital costs to a minimum, we then plan to utilise the **existing** tunnel pasteuriser, labeller and end of line packing machines that already exist for glass bottles.

## Minimum Specification

* Installation to be completed by 31 December 2024.
* Work to be carried out during normal working hours.
* Compatible with our existing systems
* 6,000 CPH x 500ml
* 6,000 CPH x 250ml
* **De-palletiser:**
  + 12,000 units per hour
  + Fully automated sweep system for cans
  + Accommodate all pallet sizes
  + Drives & Motors
  + Pneumatic controls
  + Full CE certification
  + User friendly touchscreen control
  + Can accommodate all can sizes with simple sensor adjustment
  + Complete safety and interlock system
  + Twist and rinse module to suit other cans
  + Automated interlayer removal
  + Interlayer catchment module with bin
* **Counter Pressure Filler/ Seamer**

|  |  |
| --- | --- |
| * Type of filling | * Counterpressure with electro-pneumatic valves |
| * Production (cph) | * Up to 6000 cph @250ml * Up to 6000 cph @500ml |
| * Precision | * +/- 2 mm |
| * Safety covers | * According to CE rules |
| * Standard version | * Inlet can detector; * Overloading detectors; * Outlet conveyor (of 2 m length); * Regulator of the conveyor’s working speed synchronized with the machine speed; * PLC – driver B&R |
| * Noise (dBa) | * 86 |
| * Air pressure (Mpa) | * 0,8 |
| * Air consumption (m3/h) | * 8 |
| * Pressure of CO2 (Mpa) | * 0,8 |
| * Consumption of CO2 (kg/h) | * 20-50 |
| * Power supply (kW) | * 3,5 |
| * The volume required for sanitary cleaning (l) | * 220 |
| * Washing pressure (Bar) | * 3 |
| * Max. Temperature of washing (°C) | * 65 |
| * Legs (pcs) | * 10 of 120 mm diameter |

* **Seamer (closure) 2 Heads**
  + can pitch: 123 or 127 mm.
  + range speed: from 20 to 100 cpm (continuously adjustable)
* **Software**
* **Filler Block**
* **X-ray fill level checker plus safety protection**
* **Ejection verification**
* **Vacuum pressure control unit (after tunnel pasteurisation)**