

ROOTS



BRX (Beer Radi x X)

For Laboratories and Pilot Plants
Automatic Can Filling & Seaming Machine
For Beer/Carbonated Beverages
With LN2 Dosing Capability



- “BRX” of Roots Machinery Laboratories Inc is a world unique 150/200 CPH can filler & seamer mono-block with liquid nitrogen dosing capability. It is the best solution to a small scale canning for R&D at laboratories and pilot plants.
- Empty cans put on the infeed table are sent to the stations in turn and the series of canning process, Air Rinsing, Counter Pressure Filling, LN2 Dosing, Lid Feeding, Undercover Gassing and Seaming, are automatically completed. **One-person operation is possible.**
- BRX is suitable for not only beer but other carbonated beverages. **A special model for Bottle Can with screw cap is also available.**
- Thanks to exact scales on height adjusting handles and snift/speed valves, adjustment is very simple and straightforward.



With its unique filling system without a filler bowl, very low DO pickup during canning process and constant fill level can be achieved.



The special model capable to fill 7 types of can, exported to Europe with optional CE marking.



Filling process is controlled by PLC, checking the pressures of products and gas with sensors. Each parameter can be modified through its touch panel. Of course, special programs (displaying the variation of in-can pressure, gas exchanging before filling, etc) are available by request.

株式会社 ルーツ機械研究所
ROOTS MACHINERY LABO. INC.

KITA きた産業株式会社
KITA SANGYO CO., LTD.

Contact to : Mr. Watanabe or Mr. Kita / Kita Sangyo Co., Ltd. 1-3-9, Momodani, Ikunoku, Osaka 544-0034 JAPAN
Tel. +81-6-6731-0251 Fax. +81-6-6712-6023 e-mail : osaka@kitasangyo.com



Photo of stations (right-in/left-out model): Air Rinsing (right end), Filling, Lid Feeding & Undercover Gassing, Seaming (left end)



A filled can is gripped and quickly transferred under a LN2 dosing unit by a special swing arm. (Photo: the moment of LN2 dosing)



Seaming Head Assembly of BRX, composed of a 1st roller and a 2nd roller. (Closing head for Bottle Can's screw caps can be equipped.)



Recommendable LN2 Dosing Unit of VBC. Easily installed only connecting LN2 bin and its dosing head (photo above & right) with a special flexible vacuum hose. Operation through control unit (photo left) is also quite simple. (Other dosing heads can be used. The maximum head diameter is 300mm.)



Technical Specification

Item	Description
Products	Beers or Carbonated Products
Rated output	See "Performance Data"
Other performance	See "Performance Data"
Temperature at filling	maximum 4°C
CO2 contents in products	To be specified
Elec. Voltage, etc.	200VAC 3ph 50 or 60Hz
Operation air	8 bar
Cleaning air	8 bar
CO2/ N2 pressure	6 bar
CO2/ N2 flow rate	Depends on the filling method
Products/CIP supply line	1.5S Ferrule (tri-cramp) (standard)
Cleaning / sanitizing	maximum 80°C hot water or cold sanitizer
Make of PLC	Keyence or Mitsubishi (standard)
Weight of the machine	Approx. 1.5 tons

(Specification here may change by engineering progress, etc. We reserve right to apply minor modification without notice.)

