



CB100R Rotary Counter-Pressure Canning Line



The CB100R counter-pressure canning line employs a 12-head rotary filling turret, coupled with a 3-spindle rotary seamer, to allow the machine to fill more than 100 CPM. The full rotary, continuous motion design ensures the smooth transition of cans through the system at higher speeds, effectively limiting agitation that can reduce product quality.

- Twelve-head rotary counter-pressure filling turret coupled with a three-spindle rotary seamer in a compact footprint (approximately 75" W x 62" D (1900 mm x 1575 mm)), and certified for 100+ CPM
- True isobarometric filling accomplished with an on-board product supply tank, ASME (optional CE or CRN) certified to 60 psi/4 bar; the filler bowl positioned above fill heads allows product to be gravity fed versus pumped/forced upward
- Accurate and repeatable fill level measurement with magnetic flowmeter technology, standard; capable of 1 mL precision with no moving parts
- Bubble breaker prior to Angelus seamer and true Under Cover Gassing (UCG) at make-up to minimize Dissolved Oxygen (DO)
- Stainless steel product area and base assembly
- Fill cycle parameters adjustable through intuitive HMI interface; remote access via standard hardware
- Automated CIP routine with CIP cups and customizable settings, rated up to 180°F/82°C
- Cam-operated Can Holding Chuck (CHC) / Lower Lifter with adjustable CHC spring
- Quick-change adjustments for various can height/body diameters; compatible with widget cans and suitable for 200 to 206 can ends, with no valve change
- Hardened tool steel seaming cam for long life
- Compact footprint
- Ideal for beverages with < 4.1 Vols (8.0 g/l) CO₂

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Seaming Features

- Bubble breaker prior to Angelus seamer to minimize Dissolved Oxygen (DO)
- Seaming cam optimized for beverage applications and for future changes in material, can size or seaming specifications
- Quick change levers for repeatable changeovers; Seaming levers designed with specific material and dimensions allowing torsional windup for superior double seam formation
- Recipe-driven automatic motorized turret height adjustment
- Horizontal feed chain between filler and can feed turret

Tooling Features

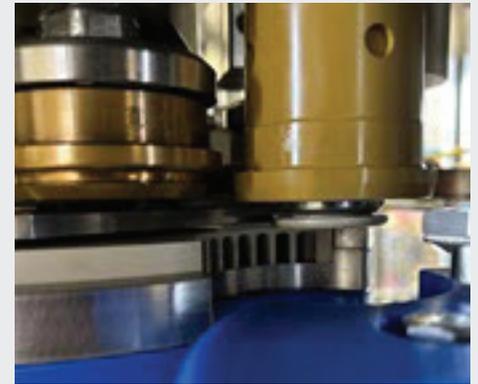
- Angelus V-Series seaming tooling design and technology; tooling adjustments maintained between changeovers
- Titanium Nitride-coated Angelloy® seaming rolls with ceramic bearings
- Individual Zerk fittings for manual lubrication of seaming rolls
- Protective flange to prevent damage from maladjustments

Available Options and Accessories

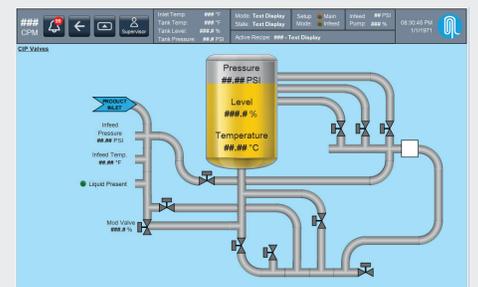
- Nitrogen dosing for still and nitrogenated products
- Product supply pump for maintaining infeed product pressure at filler
- Automated CIP return with pump
- CIP automation/validation via conductivity sensor at CIP return
- Incoming product quality monitoring (DO, CO₂, clarity)
- SeamMate® seam inspection system
- Sealed-for-Life ceramic bearing seaming rolls
- CB seamer setup kit, including maintenance and manual inspection tools

Utility Requirements

- Electrical Power: 460 VAC, 3-phase, 60 Hz, 30 Amp service
- Compressed Air: Minimum 80 psi incoming supply pressure; 1/2" supply line, minimum (clean and dry); 10 mm quick disconnect connection; 15 SCFM (425 l/min) estimated consumption
- CO₂: Minimum 80 psi incoming supply pressure; 1/2" supply line, minimum (ISBT Purity Grade - i.e., Beverage or Food Grade); 12 mm quick disconnect connection; 20 SCFM (567 l/min) estimated consumption
- Nitrogen (as required): Minimum 80 psi incoming supply pressure; 1/2" supply line, minimum (Food Grade); 12 mm quick disconnect connection; 15 SCFM (425 l/min) estimated consumption
- Water for can rinse: 1/2" mNPT with 3/8" hose barb connection
- Electrical Power for optional Supply/CIP Return Pump: 230 VAC, 3-phase, 60 Hz, 30 Amp service, hardwired
- Product/CIP Supply: 1 1/2" sanitary inlet connection, 10 GPM or 38 lpm (product) and 17 GPM or 65 lpm (CIP) flow rate; product temperature rating < 120°F/48°C (continuous); CIP temperature rating < 180°F/82°C



Gassing Turret



HMI Display



Magnetic Flow Meter Technology

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