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INNOVATIVE FARM TO TABLE ENGINEERING

Beverage Processing and Packaging Plants

FRUIT JUICE / SQUASH / COCONUT WATER / FLAVORED MILK BEVERAGE / WATER



Automatic Monobloc Rinsing / Filler / Capper (RFC)

Automatic bottling machine is designed for filling of free flowing beverages like juices, squash, coconut water, flavored milk, water etc.

The unique monobloc design integrates 3-in-1 operation of bottle rinsing-filling-capping in the machine for PET bottles which ensures hygienic by minimum exposure of product to the atmosphere.

The machine incorporates neck holding design for bottle transfer between the three sections.

The machine can be offered in capacities ranging from 1200-10,000 bottles/hr in filling range of 200-2000 ml.



FRUIT JUICE / SQUASH / COCONUT WATER



Bajaj Processpack Limited offers turnkey plants for processing and packaging of beverages like juice, coconut water, flavored milk, ice tea, cold coffee etc.

These plants can be offered with end packaging in PET / glass / HDPE bottles, cans, spout pouches.

The plants can be offered in capacities ranging from 500 to 10,000 L/hr.

SUGAR SYRUP PREPARATION



BEVERAGE BLENDING



HOMOGENIZATION



PET BOTTLE BLOWING



PACKAGED DRINKING WATER PLANT

Process Flow Packaged drinking water

Raw Water

Water Purification System

Bottling

Pouches

Glass with foil sealing

Barrels
20 Litres



WATER PURIFICATION PLANT



WATER BOTTLING



BARREL FILLING / SEALING



BOPP LABELING



SHRINK COLLATING



Bajaj Processpack Limited offers turnkey plants for processing and packaging of beverages like natural mineral water, RO water, flavored water etc.

These plants can be offered with end packaging in PET / glass, cans and barrels.

The plants can be offered in capacities ranging from 500 to 10,000 L/hr.

ER / FLAVORED MILK BEVERAGE PLANT

PASTEURIZATION / STERILIZATION



SPOUT POUCH FILLER



BOTTLING



CAN SEAMING



Post fill sterilization / cooling

CAN / BOTTLE STERILIZATION



For flavored milk / coconut water in bottles / cans

BOTTLE COOLING



For juice in PET bottles

Shrink labeling / secondary packaging

SHRINK APPLICATION



SHRINK COLLATING



Process Flow Fruit juice / squash / coconut water / flavored milk plant

Sugar syrup
preparation

Beverage blending

Homogenisation

Pasteurisation

Bottling

Can seaming

Bottle
cooling

Can
sterilization

Bottle / can drying

Shrink sleeve
application

Batch coding

Carton packaging/
shrink packaging

PLANT CAPACITIES
500 TO 10,000 L/HR



AUTOMATIC FILLING / SEALING MACHINE

Suitable for filling and sealing viscous products like pulp / paste / puree / jam / ketchup / condiments in cans / bottles.

The filler incorporates pneumatic piston filling technology and can be offered between 2-8 head models. The filler can be synchronized with automatic can seamer / capper for sealing cans / bottles of sizes upto 2Ltr.

The automatic can filler and sealer can be designed to achieve filling speed between 1500-6000 container/hr.



SHRINK LABEL APPLICATOR



This machine is suitable for automatically applying shrink sleeves on bottles and cans. The machine incorporates positioning module, servo motor and adjustable cutter head. Suitable for round, square or flat shaped bottles and cans.

Available in single/double head models with capacity from 80-200 bottles/cans per minute. Can be supplied with shrink tunnel (electric / steam based) with batch coding.

SHRINK COLLATING



Suitable to automatically align in packs of 6/12/18/24 bottles / cans and shrink wrap the same.

The machine can be adapted with various shrink films like POF / PE / PVC. Conducts integrated operations from bottle / can accumulation, shrink film wrapping, film cutting and shrink sealing.

The machine is also available in semi-automatic version wherein bottles are manually placed and shrink wrapped and sealed.

Available in capacities from 5-30 packs/min.

SPOUT POUCH FILLER



Suitable to automatically fill liquids like juice, ketchup, jam, condiments, cosmetics, hand soap and disinfectant liquids in spout pouches with centre/side spout caps.

Incorporates linear in feed chain drive assembly for manual pouch loading, 2-8 head filling nozzle, manual / automatic cap placement, and 2-head capper assembly for an integrated hygienic and efficient filling / capping operation.

Available in filling range from 50-250/ 200-1000 ml and capacities between 600-2000 pouches/hr.



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