

GLOBAL WATER TECHNOLOGY SOLUTIONS

BREAKING BARRIERS IN NURTURING NATURE



Shivsu Canadian Clear Waters Ltd, was established in 1969 to bridge the demand and supply of potable drinking, process and fresh water for Industrial Food and Beverage and Residential purposes.

Canadian Crystalline Water India Limited, Prodeb Brewery Technology Belgium Pvt Ltd, SEPPA Solutions are part of the Canadian Crystalline. We introduce ourselves as a global pioneer in Water Treatment, Waste Water Treatment, Desalination, Effluent Water Treatment, Sewage Water Treatment, Process Water, Process Technology & Complete line Packaging Solution.

Canadian Crystalline is a one-stop manufacturer of Mineral Water / Bottled Water / Juice / Carbonated Soft Drink / Milk / Beer / Liquor / Spirits / Energy Drink / and other Beverage processing and packaging equipment. We have designed, manufactured, installed and Commissioned Processing and Packing Equipment to all leading Mineral Water, Juice, Carbonated Soft Drink, Beer and Liquor brands in India and all over the world .

Our Successful history for the past 50 years speaks about our Technical Strength.

Our Specialization and expertise include small, medium and large-scale Sea water desalination plants from 1 MLD to 500 MLD. We have successfully commissioned more than 10000 water projects in India, Sri Lanka, Bangladesh, Middle East, South East Asia, Africa, USA, Australia and Eastern Europe.

Canadian Crystalline has established offices and channel partners globally across 52 countries and with its offices in India, Middle East, Africa, USA, Asia and Australia.

water ^{never}
tasted better



A Global Pioneer in Water Solutions

Canadian crystalline is a global leader in Water Resource Management and Water Treatment Solutions since 1969, we have been in the field of Water Treatment, Waste Water Treatment, Process Water Treatment as well as Brackish and Sea Water Desalination. We specialized in total water management system for Cities, Townships and Large scale developments including SEZ, special economic zones, ports & island developments. We also specialize in multi technology integration for super critical water & ultra pure water.

With over 5 decades of commitment to design and developing custom made solutions for Water, Waste Water, Process Water and Water Desalination, we have been pronounced globally as pioneers in the Industry. The focus has been to address the demand of Government, Cities, Townships, Municipalities and Industries, Drinking Water Supply, Urban Sanitation, Water Treatment, Waste Water Treatment, Process Water Treatment and Water Desalination.

We have successfully Designed, Manufactured, Supplied and Commissioned more than 10000 Projects of various sizes in Australia, Eastern Europe USA, India, Sri Lanka, Bangladesh, Middle East, Africa, and South East Asia. We also specialize in Waste Water Treatment, Sewage Treatment as well as Industry Effluent Treatment. With our specialization in Sea Water Desalination for Process water, Potable water and Drinking water, we have installed more than 300 MLD Sea Water Desalination Plants, Single and Two pass with pre-treatment and post-treatment world-wide.

We specialize in multi technology integration system solutions for Effluent Treatment, Process Water Treatment and Zero-Discharge Treatment plant. We have worked with all leading international consultants and have an exhaustive list of satisfied clients.

Canadian Crystalline has one of the largest manufacturing infrastructures in the world to produce equipment in system with the capability to deliver 100 MLD sea water desalination plant in less than 10 months We have built one of the largest containerized Sea Water Desalination plants in the world with a capacity of 60 MLD in Jubail, Saudi Arabia. We have entered into several Joint Venture agreements throughout the world and floated SPV's to offer Built Own Operate, Built Own Transfer projects for water supply to various clients including large industries, special economic zone and Government.

Canadian Crystalline is an ISO 9001 Certified company. The company has a full-fledged R&D center where our engineers work on new product designs, development, as well as upgrading of existing ones and indigenization of foreign technologies obtained through collaborations. The company has established offices in Dubai, UAE, Nairobi, Kenya as well as Dallas, Texas, US.

Canadian Crystalline Designs, Manufactures, Supplies, Installs and Commissions Water Treatment Plants for,

- Seawater Desalination (Containerized / Skid Mounted) – Single Pass / Two Pass System
- Brackish/Highly Brackish Water Desalination (Containerized / Skid Mounted)
- Sewage Treatment Plant
- Effluent Treatment Plant
- Various other technologies for a variety of Process Water Treatment

Industries

- Power Generation
- Petrochemicals and Refining
- Oil and Gas
- Mining and Metals
- Textile and Tanneries
- Pharmaceuticals
- Infrastructure
- Municipal
- Pulp and Paper
- Chemical Process
- Hospital and Hotels
- Beverage and Food
- Green Energy
- Brewery & Distilleries

Applications

- Drinking Water Treatment
- Municipal Water Treatment
- Desalination Plants
- Sewage Water Treatment
- Effluent Water Treatment
- Beverages & Food Processing
- Ultra-Pure Water
- Zero Discharge Plants
- Ethanol & ENA Plants
- Oxygen Generators
- Beer & Spirits Processing

Technologies

- Pre-Filtrations System
- Clarifiers –DAF/Lamella,
- Multi Media Filter
- Anthracite Filter
- Bag Filter
- Cartridge Filter
- Ultra-Filtration
- Nano Filtration
- Micron Filtration
- Reverse Osmosis System
- High Salt Rejection Systems
- Boron Rejection Systems etc
- Electro De-Ionizers
- DM Plants
- Mixed Bed/Softeners
- Sewage Treatment Systems
- Effluent Treatment Plants
- Ultra Violet
- Ozonators
- PSA / VSA Oxygen Generators
- Distillation Equipments
- Brewery Equipment



Canadian Crystalline is one of the largest manufacturers of processing equipment for the following liquids;

- Mineral water/Packaged drinking water/Sparkling water/Alkaline water/Flavoured water/Vitaminized water/Structured water.
- Fruit to Juice
- Pulp to Juice
- Carbonated Soft Drink & Soda
- Pasteurized Milk & Raw Milk
- Liquor & Spirits
- Beer & Wine
- Various beverages



Canadian Crystalline Group of Company "SEPPA" is also one of the largest manufacturers in the world for complete packaging lines for the following;

- PET bottle (90 ml to 2000 ml)
- Glass bottle
- PET Jars (3 liters to 25 liters)
- Aluminum cans
- Cups
- Seppa Pack(Brick Carton)
- Aseptic Drum (100 to 200 liters)



SEPPA offers complete line solutions for the following;

Packaging Equipment for PET

- PET Stretch Blowing machine
- Rinser, Filler, Capper machine
- Automatic Labelling machine
- Date & Batch Coder
- Automatic Multiple Shrink Wrapping Machine
- Carton Packing Machine
- Conveyor Track Diverter (Square & Oval Bottles)
- Palletizer



Packaging Equipment for Glass Line:

- Glass bottle Washer, Filler, & Capper (Thread/Crown/Twist/ROPP/Cork) machine
- Tunnel Pasteuriser / Tunnel Warmer / Tunnel Cooler
- Automatic Labelling Machine
- Date & Batch Coder
- Crate Packer Machine
- Conveyor System
- Automatic Multiple Shrink Wrapping Machine



Packaging Equipment for Jars:

- PET Jars (US 5 Gallon, 18.9 ltr (20 ltr), 24 ltr (25 ltr))
- De-capper
- Jar Washer, Filler & Capper machine
- Automatic Labeller machine
- Neck sealing machine
- Stacking machine



Packaging Equipment for Aluminium Cans:

- De – Palletizer
- Can feeding Turn Table
- Automatic Can Rinser

- Can Inverter
- Automatic Filler, Seamer with Counter Pressure
- Automatic De-foaming
- Turn Cage
- Slat Conveyor
- CO2 Manifold
- Automatic Multiple Shrink Wrapping Machine

Packaging Equipment for Cups:

- Rinsing, Filling & Sealing machine

Worlds Most Advanced Intelligent RO

**Blue Ro Gives
Absolute Protection
Inside - Out**

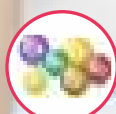


Your Water Purifier Only Gives Water For Drinking And Cooking. Infection And Disease Are Spread Through Unhygienic Water Used During Brushing, Shower, Utensils And Crockery Washing. Harmful Bacteria And Virus Attack Us From Inside And Outside. Only System Which Provides All Taps In Your House With Pure & Safe Mineral Water Triple Filtered With

(Nano Carbon - Silex - RO - UV - Mineral Optimizer™)



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By
App



Natural
Mineral
Balance



Kills
Bacteria &
Virus



Eliminates
Dissolved
Impurities



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Ati
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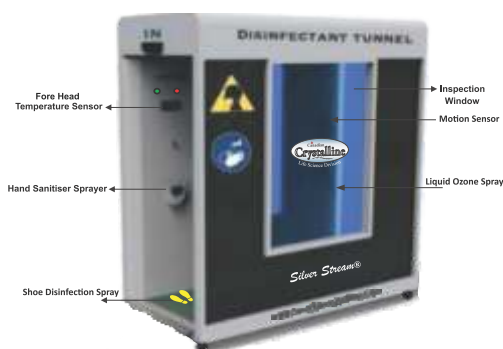
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Prodeb Brewery

Prodeb Brewery Technology Belgium Pvt Limited is one of the largest and most advance brewery equipment manufacturers in India. It is a part of the Canadian Crystalline group which has been providing equipment and solutions to the brewing industry for over 50 years.

Prodeb has been providing Turnkey Brewery System solution throughout the world for the several decades. It is the first Indian manufacturer of Brewery Equipment with European technology. Prodeb Designs, Installs, and commissions Brewery from 10 HL to 500 HL and even large sizes can be delivered.

Prodeb with its advance Know-How and state of art technology has been providing Craft Brewery system throughout the world with tailored solution to the individual brewer's needs, there by optimizing efficiency and brewing experience.

Prodeb manufactures in-house the total line of Brewery Equipment which includes Malt Mill, Brew House Fermenters and Bright Beer Tanks. Apart from the above all accessories (i.e.) Ice Water Tank, Glycol Tank, Hot liquor Tank, CIP System and Refrigeration Chillers are also manufactured in its 300,000 square meter facility in Chennai India.

Prodeb offers a wide spectrum of services which includes Detail Engineering (Brewery layout, 3D modeling, 3D piping electrical and instrumentation drawings)

Canadian Crystalline also manufactures and installs Process Water Treatment Equipment, Brewing Water Equipment to support the Brewing Process with the purest low TDS water, as well as fortified water to produce classic styles of beer. Our Water Treatment can be adjusted to mock any parameter of Water worldwide

.Canadian Crystalline provides compact Effluent Treatment Systems to Treat Brewery / Waste Water. The treated water could be used for various purposes.

SEPPA Solutions Private limited is a group company of Canadian Crystalline Water India Limited. The name "SEPPA RITA" is well known in the Brewery, Distillery, Soft Drinks and Food Industries. We have been manufacturing, Marketing Commissioning and Servicing Brewery, Glass Bottle Packaging Line and Complete Packaging Line Solutions for over 40 years in India. Today SEPPA RITA Manufactures the entire Range Equipment for Brewery, Glass Bottle Packaging Line with active collaboration of NAGEMA - GERMANY, world leaders in Glass Bottling Line & Sander Hansen World leader in Tunnel and Flash Pasteurizer.

Our Machines are used in bottling of the following products:

1. Beer
2. Carbonated Beverages
3. Syrups
4. Wine
5. Champagnes
6. Ketchup
7. Fruit Juices, RTD Beverages
8. Food Products
9. Spirits & Alcohol
10. Oil

performance
Profitability
productivity





Our Range of Processing equipment includes:

1. Malt Mill
2. Malt Conveyors
3. Grist Case
4. Malt Hydrator
5. Brew House
 - * Mash Kettle
 - * Boiling Kettle
 - * Lauter Kettle
 - * Whirlpool Kettle
6. External Exhaust Funnel
7. Wort Oxygenating Device
8. Plate Heat Exchanger / Wort Cooler
9. Mash Pump
10. Sparging / Saccharified Pipeline module
11. Working Platform
12. Fermentation Tank
13. Bright Beer Tank
14. Moving Pump
15. Fermentation Pipeline Module
16. Refrigerating Machine
17. Brewing Water Tank
18. Hot Liquor Tank
19. Cold Liquor Tank
20. Asepsis Water Tank
21. Moving Pump
22. Power Control Cabinet
23. PLC
24. Micron Cartridge Filter
25. Yeast Tank
26. Yeast Pitching & Dosing System
27. Selling Pillars
28. Keg Washer (2 – 200 Kegs/hr)
29. Keg Filler (2 – 200 Kegs/hr)
30. Automatic Glass Bottle Washing Machine (New & Recycled Bottles) (60-400 BPM)
31. Automatic Bottle Beer Filling and Sealing Machine (Double Pre evacuation) (60-600 BPH)
32. Automatic Vacuum Filling and Sealing Machine
33. Tunnel Pasteurizer
34. Flash Pasteurizer
35. Premix Carbonators
36. Labeling Machine (Single. Double, Triple)
37. Conveyor Systems
38. De-Palletizer
39. Carton Erector Glass Bottle Pick & Place, Carton sealing machine
40. Brewery Water Treatment Plant (1 to 100000m³/hr)
41. Brewery Effluent Treatment Plant
42. CO₂ recovery system





American Brew Works

American Brew Works is the most advanced microbrewery equipment manufacturer, using latest technology. American Brew Works has been providing turnkey microbrewery system solution with tailored solution to the individual brewer's needs, there by optimizing efficiency and brewing experience throughout the world for over a decade. American brew works manufactures in-house in their facility in Dallas, Texas, USA and in Chennai, India. The total line of microbrewery equipments such as Malt Mill,

Brew House Fermenters and Bright Beer Tanks and accessories like Ice Water Tank, Glycol Tank, Hot liquor Tank, CIP System and Refrigeration Chillers. American Brew Works offers a wide spectrum of services including detail engineering (Brewery Layout, 3D Modeling, 3D Piping Electrical and Instrumentation Drawings), Process Water Treatment Systems to support the brewing process with the purest low TDS water, as well as fortified water to produce classic styles of beer and compact Effluent Treatment Plant to treat and reuse Micro Brewery wastewater.



www.americanbrewworks.com

Tryllegas



Tryllegas manufactures and supplies oxygen generators to various industries and hospitals for the past 30 years as part of the Canadian Crystalline Group of Companies. We at Tryllegas are no strangers to this industry. Our ever-evolving technology, years of research and extensive experience have led to the most advanced oxygen generators in the market.

Our portfolio consists of the following different types of Gas Generators or Plants

- Medical Oxygen Plant
- PSA Oxygen Plants / High Purity Oxygen Plant
- VPSA Oxygen Plant / VSA Oxygen Plant
- Ozone Generator Plant

Our Medical oxygen Plant allows users to generate their own oxygen for their medical-grade requirements like EMS (Emergency Medical Services), Hospitals, Clinics, Nursing Homes, Veterinary & Animal Hospitals, Dental labs etc. The plant can be inbuilt with a oxygen cylinder filling section that uses Pressure Swing Adsorption (PSA) technology.

The plant is skid mounted and requires less space, and just by plugging it in to a standard electrical outlet you can generate your own medical-grade oxygen to fill your cylinders on-site. Within minutes, you can have emergency oxygen available for any increase in unexpected demand.

Tryllegas's Oxygen Generator Plant system are fabricated in accordance with all relevant codes like ASME, ANSI, NEMA, CE Standards,

Medical Oxygen Generators are built to confirm to the United States Pharmacopeia (USP) Oxygen 93% Monograph and also confirms to ISO-10083



www.tryllegas.com



PLAYBOY



Pune & Bangalore

PROST



Bangalore - Hyderabad

BIG BREWSKY



Sarjapur - Bangalore

HOP HIGHWAY



Punjab

BROOKS AND BONDS



Bangalore

BYG BREWSKI



Hennur - Bangalore

EL PORTAL



Mexico

JONKY



Pune

MIZO BREWERY



Mizoram

BRAHMA



Bangalore

REHN BIER



Australia

HEART CUP



Hyderabad

GREEN HOUSE -
THE BEER GARDEN



Gurgaon

COUNTRY ROADS



Kolkata

CHILLAX



Mysore

HEART CUP



Hyderabad

BREW MEISTER



Bangalore

HUNTER VALLEY



Gurgaon







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