



CIAXTON
TECHNOLOGIES



CORPORATE
PROFILE

www.ciaxtontechng.com



INTRODUCTION

“ **Ciaxton Technologies Nigeria Limited** offers fully automated, skid-mounted process units and high precision measurement technology from a single source. This product range is nearly unique. We promote systems and sensors that are engineered to perfectly meet the most demanding requirements of the brewery, food and beverage industries. With a team of experienced engineers, we aim to create quantifiable added value for our customers by increasing the efficiency of their processes. We are your partner from planning and design through to commissioning of your plant. ”





ABOUT US

Mission

“To be a proactive service provider to the Brewery, Food & Beverage industry and committed to prompt satisfaction of our customer and the creation of sustainable value for our stakeholders.”



Vision

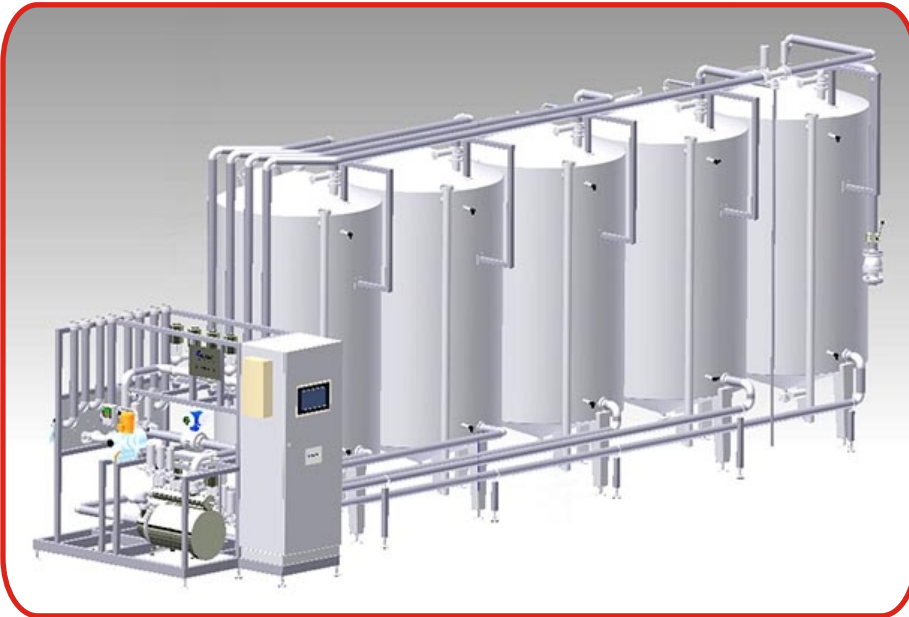
“To become the preferred indigenous company known for the provision of cost effective services and Equipment supply to the Brewery, Food and Beverage industry.”





PRODUCTS

Brewery Process Systems

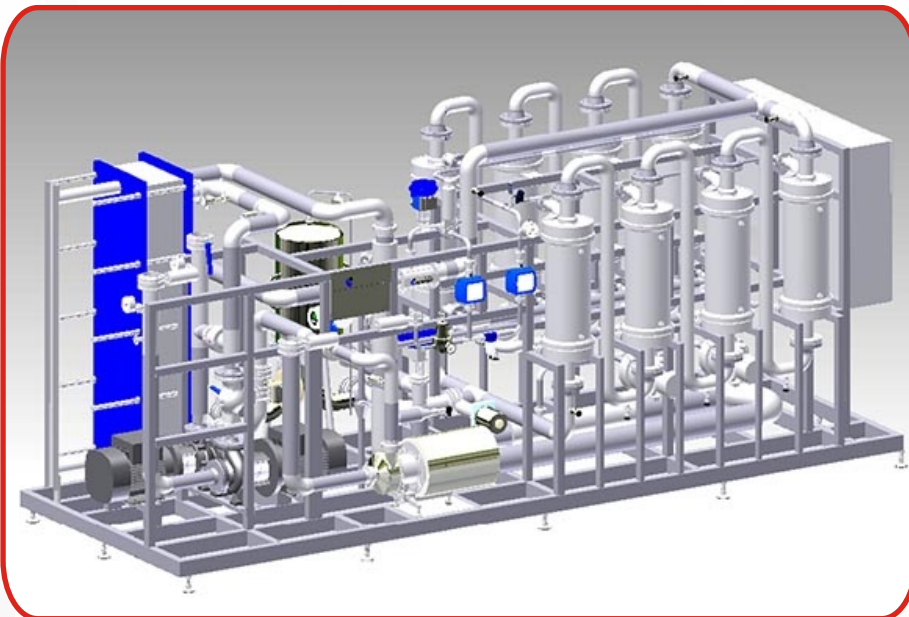


CLEANING-IN-PLACE (CIP)

The purpose of Cleaning-in-Place (CIP) is to remove product residues and microorganisms from all wetted surfaces inside tanks, pipework and filling machines. We provide CIP skids for cold and hot cleaning in brewery industry.

Description

Cleaning and sanitization must be performed periodically at appropriate intervals. A typical CIP cycle consists of various steps, e. g. pre-rinse with purified water, flushes with caustics and acid solutions, intermediate and final rinse with purified water.



DEGAS (DGS)

Dissolved oxygen has adverse impact on flavour stability and shelf life. The deaeration system DGS removes O₂ from water that is used for the production of beer and beer-based mixed drinks. Deaeration is done at ambient temperature. The system is compact and easily expandable.



PRODUCTS

CIP Station



CIP station is designed for sanitary cleaning of buffer tanks, pasteurization plants, pipelines to remove contaminants without the need of equipment disassembly.

Tanks: from 1 to 4. For storage of detergents and water.

Type: one or multiple loop.

Heat source: steam, electricity, hot water.

CIP station is equipped with:

Heat exchanger JAD

Pump LOWARA, GRUNDFOS

Steam valve BURKERT, SAMSON

Condense armature and valve MIYAWAKI, SPIRAX, SARCO

Air supply system SMC

Electrical control OMRON, MOELLER, SIEMENS.



PRODUCTS

Brewery Sensors Systems



OXYTRANS TR

OXYTRANS is a very precise, optical oxygen sensor for measurement of O_2 in deaerated water, wort, beer and CO_2 . Dissolved oxygen has adverse impact on flavour stability and shelf life.

Description

For continuous measurement of dissolved oxygen in liquids and gases, OXYTRANS is perfectly suited. The instrument is designed for applications requiring maximum sensitivity and highest accuracy. It is easy to operate and virtually maintenance-free.



OXYTRANS M

OXYTRANS M is a portable, optical oxygen sensor for measurement of O_2 in deaerated water, wort, beer and CO_2 . Dissolved oxygen has adverse impact on flavour stability and shelf life.

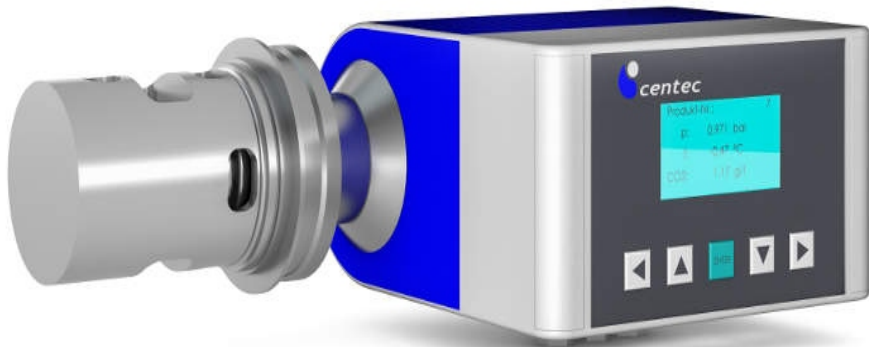
Description

For continuous measurement of dissolved oxygen in liquids and gases, OXYTRANS is perfectly suited. The instrument is designed for applications requiring maximum sensitivity and highest accuracy. It is easy to operate and virtually maintenance-free.



PRODUCTS

Brewery Sensors Systems



CARBOTEC TR-PT

CARBOTEC TR-PT is a very precise carbon dioxide sensor for measurement of CO₂ in beer and beer-based mixed drinks. Dissolved CO₂ has a major impact on the quality and taste of the product.

Description

For continuous measurement of dissolved carbon dioxide in liquids, CARBOTEC TR-PT is perfectly suited. The instrument is designed for applications requiring maximum sensitivity and highest accuracy. It is easy to operate and maintain.



OXYSTEAM

To generate steam, water is heated in a steam boiler. Oxygen contained in the water can lead to dangerous corrosion. The water must therefore be thermally degassed. The oxygen dissolves in the steam vapours and is blown off via a valve as so-called "Fegedampf" into the free environment. Consequently, there is a loss of steam of 0.2 to 0.5 % of the boiler steam output.



PRODUCTS



TURBISCAT

The TurBiScat monitors turbidity in liquids, optional also the (beer) colour in EBC.

The combination of Hastelloy and sapphire in a sealless design allows operating the unit in practically all process applications. Turbidity measurement is done with colour compensation. Window fouling is monitored, compensated and can be checked using an anti-fouling control. Calibration is easily done using a secondary reference standard.



LABSCAT

The LabScat monitors turbidity in liquids, using a single light source to detect transmitted light and scattered light at 90° and 25°.

This allows colour-compensated dual-angle measurement according to MEBAK and EBC standard, in bottles and glass cuvettes. Bottle rotation and water-bath minimize disturbing influences, the quality of the water bath is monitored.

Operation is done via a colour touchscreen. No tools are required for routine maintenance. Calibration check is simply performed with a calibration unit with a glass reference, which is part of the scope of supply.



PRODUCTS



AquaMaster is a compact measuring system for the following parameters: turbidity, pH, conductivity, Redox, dissolved oxygen and temperature. The various parameters can be combined individually. The colour touch screen of the AquaScat is the central control and display unit, as well as the connection to the host control system. Up to 8 measuring values can be transmitted. The measuring station is delivered completely pre-mounted. It requires only connecting the water inlet and water outlet. Connect – Adjust flow rate - Measure! Special attention was paid concerning maintenance. .

Innovations with real benefits

A compact measuring system for a multitude of parameters. Turbidity in all available AquaScat variations, pH, conductivity, redox / ORP, dissolved oxygen, temperature:

- Freely selected and combined parameters.
- Compact footprint.
- Simple installation; only one support has to be mounted.
- Only a water supply and discharge is needed.
- Connect – adjust water flow – measure!



PRODUCTS

APL 8000 SERIES

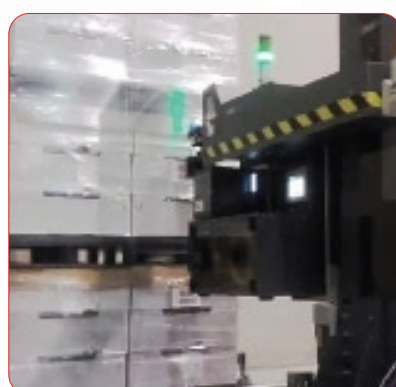


APL 8000 Series meet GS1 global standards of codification and traceability to print and apply labels on pallets complying with GS1-128 barcodes and the application identifiers (AI) recommended by the Gs1.

APL 8000 Series are ideal to apply labels on 1,2 or 3 sides of the pallet even in hostile industrial environments with high production volume.

APL 8000 Series is compatible with any OEM print engine in the market.

APL 8000 Series are easy to install and integrate and offering a wide connectivity range to any IT or automatization system, through UBS LabMan Software, that allow to manage and transmit data to or from any ERP, MES, WMS or DBMS.





PRODUCTS



SUGAR DISSOLVING SYSTEM



WATER & JUICE DEAIRATION SYSTEM



STAINLESS STEEL HEAT EXCHANGERS



Conductivity meter



Turbidity meter



Pressure gauge



Continuous level sensor



Climate independent level sensor



Hygienic mag flow meter



Flow sensor



Hygienic temperature measurement

OUR SENSOR TECHNOLOGY



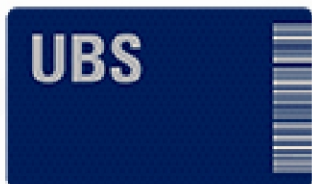
PARTNERS



ProMinent®



SloniTec



United **Barcode Systems**
Labeling, Coding & Marking



Claxton Technologies Nigeria Limited is a 100% indigenous oil services company, It was incorporated in December, 2010, specializing mainly on electrical and instrumentation fittings and valves equipment.

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