

The Centec Group

Centec is a strong, privately owned group of companies. We design and manufacture automated process skids for efficient and reliable production of wine and spirit drinks. Centec technology includes a range of process sensors for accurately measuring and controlling crucial product characteristics. We are a supplier of numerous wineries and distilleries across the world.

Our operations in Germany and the Czech Republic include a skilled mechanical, electrical and automation department and skid manufacturing with piping and fitting construction as well as our own switch cabinet production. All essential manufacturing expertise is available in house.

This outstanding infrastructure allows efficient logistics, short lead times and strict adherence to delivery deadlines. The quality of our products is outstanding, so is the price-performance ratio.

Sensor Innovations



External Display

Aiming for increased user-friendliness, the external display is the perfect solution for installations that are difficult to access. Available for OXYTRANS, RHOTEC and SONATEC. With two 4 mA - 20 mA outputs. Cable length between sensor head and display up to 10 meters.



Optical CO₂ Measurement

Based on Attenuated Total Reflection (ATR) technology, the new generation of CO₂ sensors revolutionizes dissolved carbon dioxide measurement in liquids. For the measurement of "true" CO₂ content and virtually maintenance free.

Innovation. Dedication. Centec.

Automated Process Skids

The broad range of our process units includes automated process skids designed to customer requirements for various applications in wineries:

- Iron & Manganese Removal
- Activated Carbon Filtration
- Water Softening & Demineralization
- Activated Carbon Filtration
- Reverse Osmosis
- UV Disinfection
- Ultra Filtration
- Membrane Deaeration
- Column Deaeration
- Vacuum Deaeration
- Grape Wort Aeration
- Carbonation
- Multi Component Mixing
- Additive & SO₂ Dosing
- Flash Pasteurization
- Cleaning-in-Place (CIP)
- Sterilization-in-Place (SIP)
- Dealcoholization



No matter how complex requirements may be, Centec will provide exactly the right solution. Our capabilities include engineering, assembly, Factory Acceptance Test (FAT), delivery and commissioning of turn-key plants.

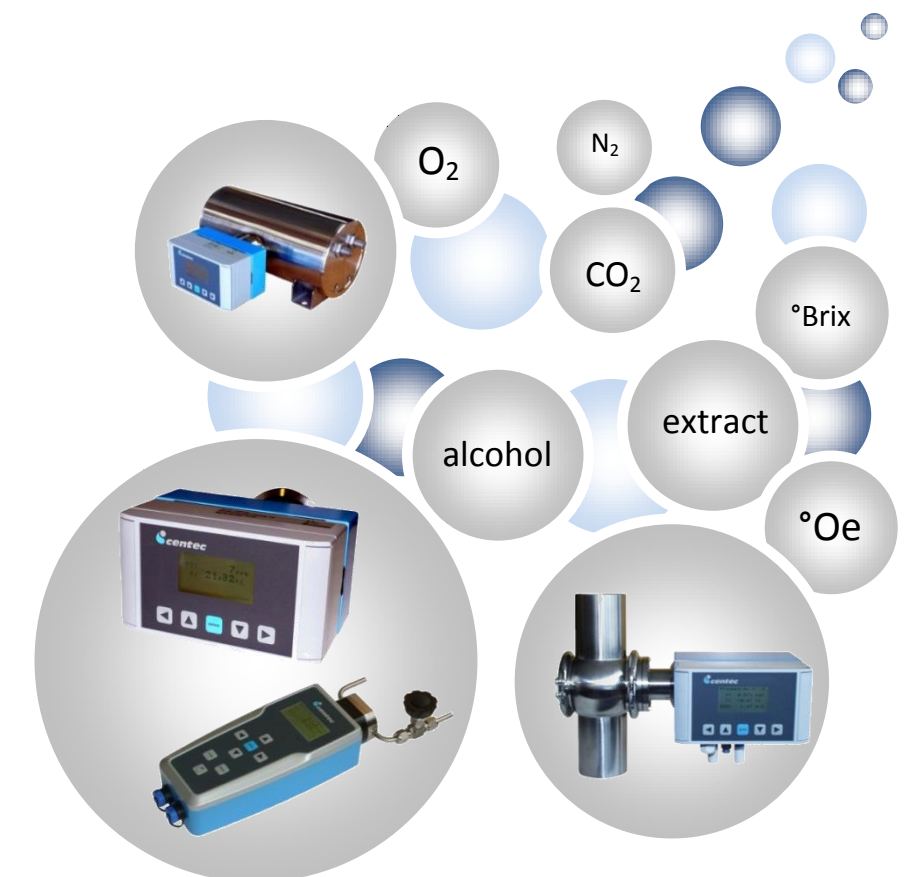
Experience. Expertise. Centec.

High Precision Sensors

Centec sensors are applied in laboratory and process environments. They ensure that products are produced to consistently high standards and that processes run extremely efficiently with the least consumption of energy and raw materials. Our portfolio covers the following measurements:

- OXYTRANS – O₂ in liquids and gases
- CARBOTEC – dissolved CO₂ in liquids
- RHOTEC – density of liquids
- SONATEC – sound velocity in liquids
- COMBITEC – functionality of SONATEC and RHOTEC combined

The measurement of density or sound velocity allows the concentration of a media such as sugar, alcohol or extract to be displayed. In three component liquids both density and sound velocity need to be measured.



Accuracy. Reliability. Centec.

Product Highlights

Cleaning-in-Place

Centec designs and builds CIP units to deliver efficient cleaning across a wide variety of process systems – starting with small mobile sets typically for cleaning individual items through to multi-tank systems for large plants.



Flash Pasteurizer

Designed to pasteurize milk and other dairy products. The fully automated process skid uses high precision sensors and the most accurate control technology. Together with appropriate heat exchangers it delivers the right level of heat input, energy recovery and cooling.



Innovation for the Laboratory



Laboratory Density Meter

For extremely accurate determination of density and temperature in the lab. Sample volume 2 ml. Equipped with a user friendly 10" touch screen.

Global Knowledge for Local Applications

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Winery Systems & Sensors



The Taste of Technology