

## Systems and Sensors from a Single Source

Customized Solutions

Yeast Pitching    Acid    Additive Dosing    Density  
Dealcoholization    Water Deaeration  
O<sub>2</sub>    Pasteurization    Extract  
Original Gravity    Water Softening    Cleaning-in-Place  
°Brix    Caustic    WFI Distillation    CO<sub>2</sub>  
Alcohol    H<sub>3</sub>PO<sub>4</sub>    Carbonation    H<sub>2</sub>SO<sub>4</sub>  
Wort Aeration    Multi Component Mixing  
Pure Steam Generation    Carboblending    Reverse Osmosis



### The Company

Centec is a privately held group of companies. With own subsidiaries on all continents and a network of qualified sales and service partners, we are well established throughout the world and always close to you. For more than 40 years Centec have been a reliable partner and supplier of customers in brewery, beverage, food, pharmaceutical and chemical industries.

As one of very few single-source suppliers of skid-mounted units and high precision measurement devices, we have a virtually unique product range. Using the most accurate own sensors for our process systems, we are able to provide solutions of superior reliability and precision.

Centec capabilities include engineering, manufacturing, delivery, installation and commissioning of turn-key plants – whether it is a complete cold block for a brewery or a multiple-stage pharmaceutical water treatment regime according to cGMP and FDA guidelines.

### Centec Process Systems

Centec skids are customized to the greatest extent possible. They are used in beverage and food industries throughout the entire manufacturing process. We are a leading supplier of technologies for water purification and for product preparation. Our product spectrum ranges from highly economic “Craft Line” equipment to fully automated systems.

### Centec Measurement Instruments

Centec sensors are used in laboratory and process environments as stand-alone devices or as part of a process control system. Typical applications are measurement of:

- Oxygen (O<sub>2</sub>) in liquids and gases
- Carbon dioxide (CO<sub>2</sub>) in liquids
- Extract, °Brix, °Plato, alcohol



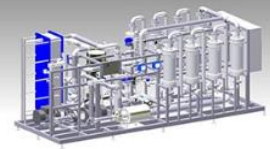
**Water Pre-Treatment**  
Removal of Suspended Solids & Bacteria



**IONTEC**  
Water Softening & Demineralization



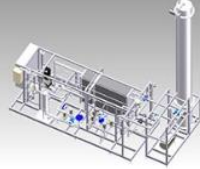
**REVOTEC**  
Reverse Osmosis



**DGS**  
Membrane Water Deaeration



**DeGaS-Cold**  
Column Water Deaeration (cold)



**DeGaS-Hot**  
Column Water Deaeration (hot)



**EASYOMER**  
Hops Pre-Isomerization



**Wort Cooler**  
Cooling of Wort



**Wort Aerator**  
Aeration of Wort



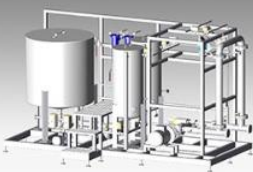
**YeastPitch**  
Pitching of Yeast



**Yeast Thermolizer**  
Inactivation of Yeast



**Yeast Propagator**  
Propagation of Yeast (Yeast Management)



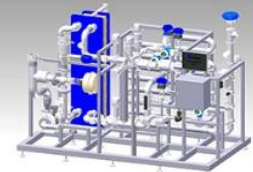
**Yeast Recycler**  
Recovery of Beer from Yeast



**Blender**  
High Gravity Blending



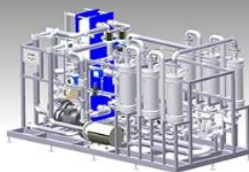
**ADoS**  
Additive Dosing



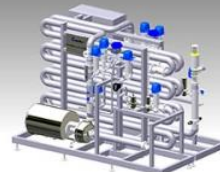
**CarboBlender**  
High Gravity Blending & Carbonation



**Carbonator**  
Carbonation



**DeCarbonator**  
DeCarbonation & Carbonation



**Nitrogenator**  
Nitrogenation



**MultiMixer**  
Multi Component Mixing



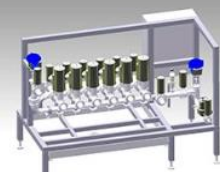
**FlashPasto**  
Flash Pasteurization



**DeAlcoTec**  
Dealcoholization of Beer



**CIP**  
Cleaning-in-Place



**Unipressure System**  
Tank Pressure Control Systems

**Centec**  
Gesellschaft für Labor- & Messtechnik mbH  
Wilhelm-Röntgen-Strasse 10  
63477 Maintal, Germany

+49 6181 1878-0  
+49 6181 1878-50  
info@centec.de

centec.de  
centec.cz  
centec-uk.com  
centec-usa.com  
centecrrr.com