



CLEANER AIR. FEWER RESOURCES.

CentriRoast™

Particle, VOC and odour removal for roasting and smoking applications

CentriRoast™ is a system designed specifically for particle and aerosol removal and odour control in roasting and smoking applications which are confronted with grease, tar and oil mist as well as strong odours in the exhaust streams.

Particle separation

Specially developed scrubbing processes adapted to the particular applications are the first step in particle separation. Particles are captured into a liquid. The liquid can then be treated and regenerated to give a continuous process.

Remaining particles are then removed by our centrifugal separator which separates fluid particles with a disc stack rotating at up to 3000 rpm. The disc stack separates **100% of all the particles** down to 1µm along with a percentage of the smaller particle sizes. The centrifuge technology allows the customer to even recover the oil emitting from the fryer.

VOC and odour removal

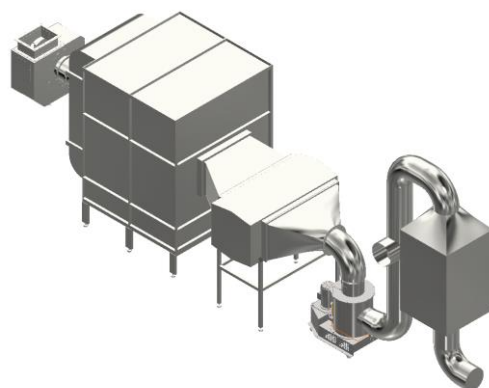
The centrifugal separator is followed by the ColdOx® reactor that oxidizes VOCs and eliminates odour through the use of high intensity UV, excess ozone, and photo chemical oxidation supported by special purpose catalysts.

Low maintenance - The centrifugal separator is delivered with a “plug and play” automatic flushing device that cleans the disc stack should any material deposit on interior surfaces, ensuring virtually maintenance free operation even in high load or “sticky” applications.

Centriair offers preventive maintenance with remote monitoring and on-site intervention for all our installations.

CentriRoast™ – less resources, higher results

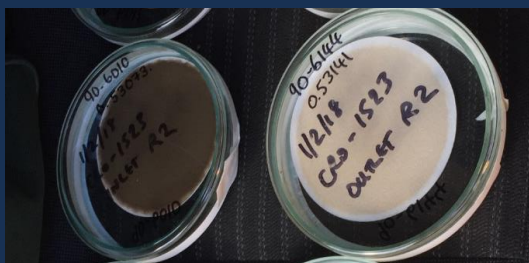
CentriRoast™ combines ColdOx™ – Centriair's solution for VOC and odour removal - with efficient removal of particles through specially adapted scrubbing and advanced centrifugal separation.



Particle, aerosol and odor removal for roasting and smoking applications

Benefits

- 100% removal of particles > 1 µm
- High odour removal performance
- Low energy consumption
- Low water consumption
- Virtually maintenance free operation even in high load or “sticky” applications
- Low cost of operation
- Compact installation
- Modular and flexible solution



Roaster and gas cleaning system, including Hi-intensity scrubber, centrifuges, fan, malt roasting, UK.