



## POWDERED ACTIVATED CARBON

Advanced Carbon Products for Mercury Mitigation

*In partnership with United Conveyor Corporation*

# CXT Advanced Carbon

## Carbon Solutions For MERCURY CONTROL

Carbonxt™ is a leading provider of Powered Activated Carbons (PACs) for emissions control applications. With a primary focus on the continual development and manufacturing of advanced engineered sorbents, Carbonxt provides mercury removal solutions to meet stringent compliance requirements and individual plant needs.

Non-Brominated Activated Carbons  
Industry-Leading R&D  
Customized Environmental Solutions

We Are The  
**CARBON  
EXPERTS**

## The Benefits of CARBONXT

Carbonxt customized PACs are designed with the flexibility to meet unique plant requirements in the most economical manner. Our team works in partnership with utilities to engineer PACs that will best address their compliance requirements.

Carbonxt's proven non-halogenated PACs are highly suitable for flue gas with high elemental mercury and/or  $\text{SO}_3$  concentrations. Our patented oxidizing technology does not contain bromine or other halogens, thereby eliminating potential corrosion concerns caused by halogenated sorbents.

- Alleviates corrosion to ductwork and equipment
- Lower injection rates
- Injection tailored to meet plant needs



# Products

Specialized Powdered Activated Carbons  
Engineered for In-Flight Gas Phase Removal of  
Mercury

## Industry Leading RESEARCH & DEVELOPMENT

Carbonxt is led by a highly respected team of PhDs who are recognized as industry PAC experts. We understand the complexities of mercury chemistry and the unique challenges utilities face. Our extensive experience in mercury control and R&D allow us to provide our customers with superior products, reliable performance, customized solutions, and consistent quality.

- Industry Recognized Team of PhDs, PEs and Master Degree Engineers
- Sorbent Development and Characterization
- State-of-the-Art Laboratory
- Continuous Advancements and Solutions for Compliance



## CXT™ PRODUCT FAMILY

Our innovative technology and manufacturing process are extremely versatile allowing each product to be customized to specific plant requirements. Each PAC family has the flexibility to be enhanced with our proprietary additive and/or an extremely low percentage of bromine for enhanced oxidation and optimal sorbent performance.

Product Family	Description
Cxt-1000	Cxt-1000 is well suited for plants operating near their compliance limit or with high oxidized Hg resulting from many fuel additives.
Cxt-2000	Cxt-2000 products have an improved pore structure for applications with lower sulfur and/or lower oxidized Hg content.
Cxt-3000	Cxt-3000 products have optimized pore structures for challenging Hg removal applications such as: high elemental Hg, high sulfur coal and/or content, or low residence time in the duct.



EXPERIENCE · EXPERTISE · SERVICE · SOLUTIONS

For more information on Carbonxt solutions, please contact your local United Conveyor Corporation Sales Representative.