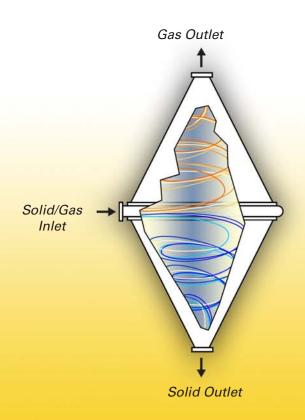
Solid Gas Separation Technologies

Pollution Control Systems for Industries

- Carbon Black
- Silica
- Catalyst Fines
- FCC Fines
- Coal
- Petcoke

Spiral Speed Separator (SSS)





UTC Spiral Speed Separator Systems

Principle:

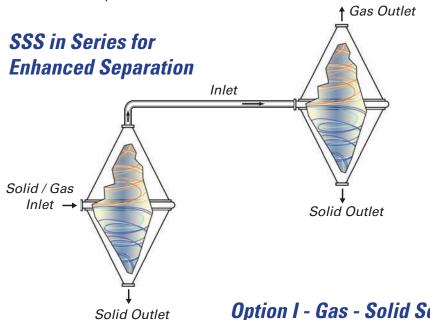
Combination of tangential, centrifugal and gravitational forces resulting in far more effective and superior separation.

Gases or Vapors From Solids

Slow Speed Separator

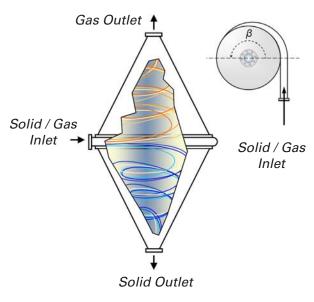
Solid / Gas Inlet —

Far more efficient separation of carbon black, silica, coal fines, polymers, specialty and fine chemicals, other difficult solids, etc.



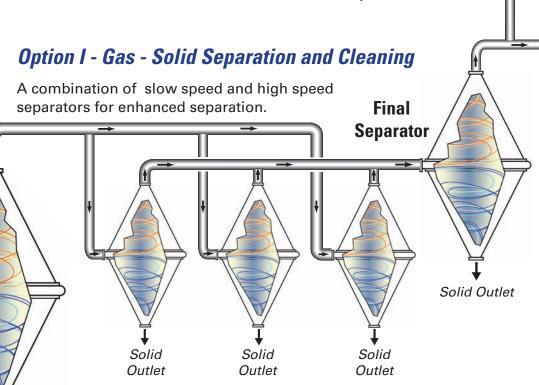
Solid Outlet

UTC Spiral Speed Separator



To Existing Bag House ←

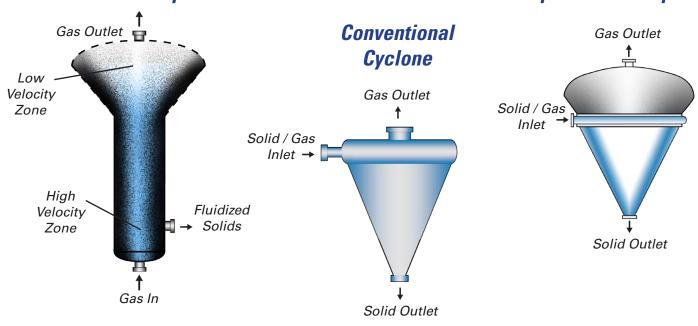
or New System

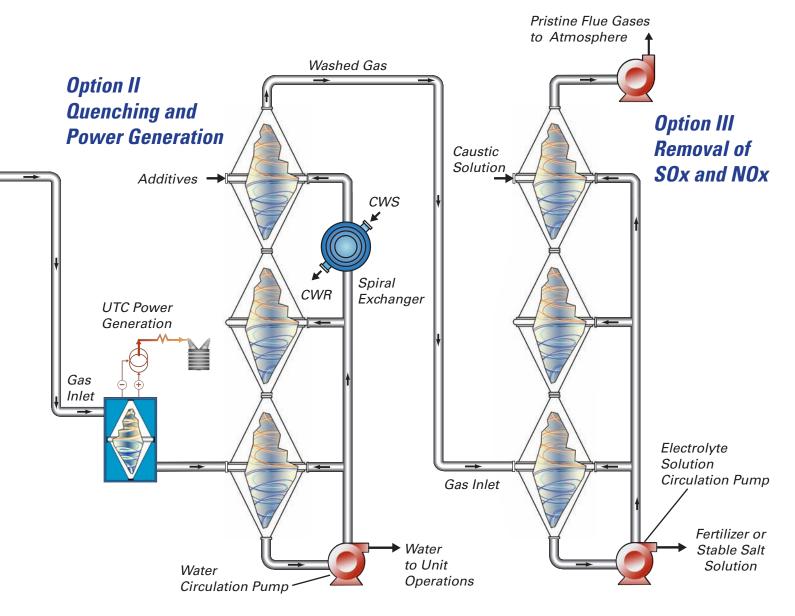


High Speed Separators

Conventional Gas - Solid Separator

UTC Spiral Cone Separator





UTC Solid Gas Separation Technologies

Advantages

- Far more efficient than conventional equipment and systems
- · Higher solids removal efficiencies
- Simpler fabrication and installation
- Generation of Electrical Power
- Removal of NOx and SOx and conversion to fertilizer or stable salts
- 80 90 % reduction of load to the Bag House or Pollution Control System
- Overall low capital cost
- Lower operational and maintenance costs

Imagination is the Limit



UTC Marketing & Product Lines

9898 Bissonnet St. Houston, Texas 77036 USA (713) 385-7478 P.O. Box 721260 Houston, Texas 77272-1260 www.unvtech.com

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