

THERMAL TECHNOLOGIES

Direct Fired Thermal Desorption

Operations

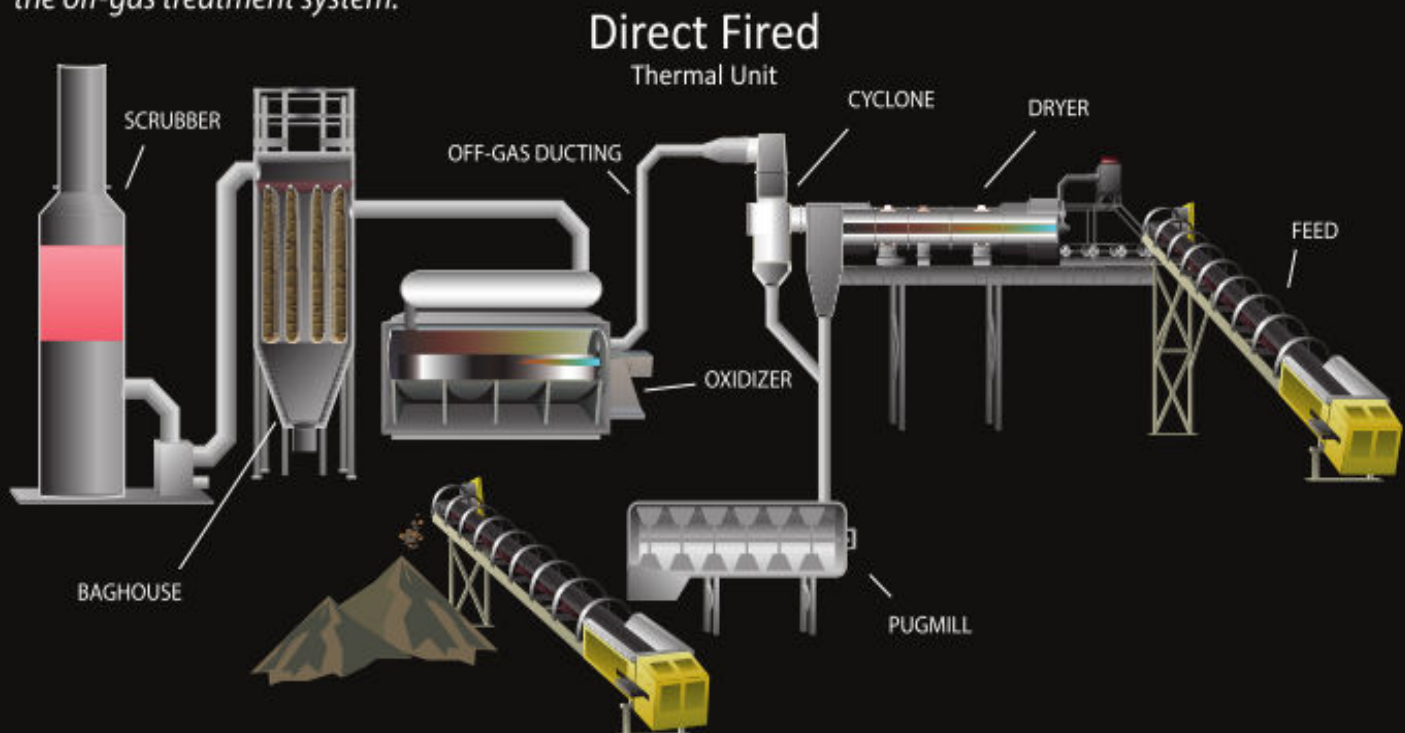
- Simple operation
- Less complicated controls
- Consistent operating parameters
- Minimal design change required to increase unit capabilities

Benefits

- High throughput
- Lower operational costs
- A recognized technology around the world
- A robust technology



MECO's direct-fired thermal desorption units (TDU) consist of a counter flow desorber drum and attendant air pollution control equipment. The rotary drum desorber operates the flow of soil counter to the flow of combustion gases. This counter-current system provides highly efficient heat transfer and flue gas temperature control. Contaminated material is fed into the rotating barrel, which is directly heated by burners to desorb the contaminants. In this process, contaminants are freed from the soil and destroyed in the off-gas treatment system.



Side view

Internal drum

Feed view

