



# Reformer OD Tube Cleaning

## Out- TUBE CLEANER

Out-Tube Cleaner is the latest technology advancement to safe and efficient method for external cleaning of reformer tubes and/or furnace heater' tubes, applicable to tube sizes from 3" to 10" nominal diameter. Out-Tube cleaner incorporates the highest regards towards safety. With the Out-Tube Cleaner, it is proven that working in height is eliminated and confined space entry is minimized to essential personnel only. Ultimately time saving is also achieved as the need for scaffolding is no longer required.



Out-Tube Cleaner principle: It consists of two air-driven motors; responsible for the rotation of a head with steel brushes for cleaning the tubes and to drive the vertical movement on the tubes for optimum contamination removal such as dust, carbon deposit and scale. The Out-Tube Cleaner is also equipped with an automatic limit switch on the upper part of the machine in order to drive down the unit upon reaching the complete height of the tube.

A suction device is also designed for the Out-Tube Cleaner to prevent the dispersion of any contaminant particles into the environment and provides a cleaner more hygienic workspace.



By applying the Out-Tube Cleaner Technology the overall cleaning duration for the tube external can be substantially reduced whilst achieving desired cleaning requirement. It is more efficient than the conventional cleaning method with higher capability to cover more area which are difficult to access. With consideration of "safety" above any other factor, Out-Tube Cleaner is the leading technology in ensuring safe and healthy work environment. It decreases the risk of potential hazards related to working at height and reduces the number of people required to work in a confined space condition.