

# DTM

DOUBLE TUBE METHOD

DTM (Double Tube Method) provided by Denka Consultant & Engineering Co., Ltd., (DCE) is a pneumatic conveying system for powder and granular materials with adhesiveness.

DTM periodically shakes off the adhered powders and keeps the inside of the piping in a clear state by forcibly deforming and vibrating the inner tube with injected compressed air between the outer pipe and elastic inner tube.

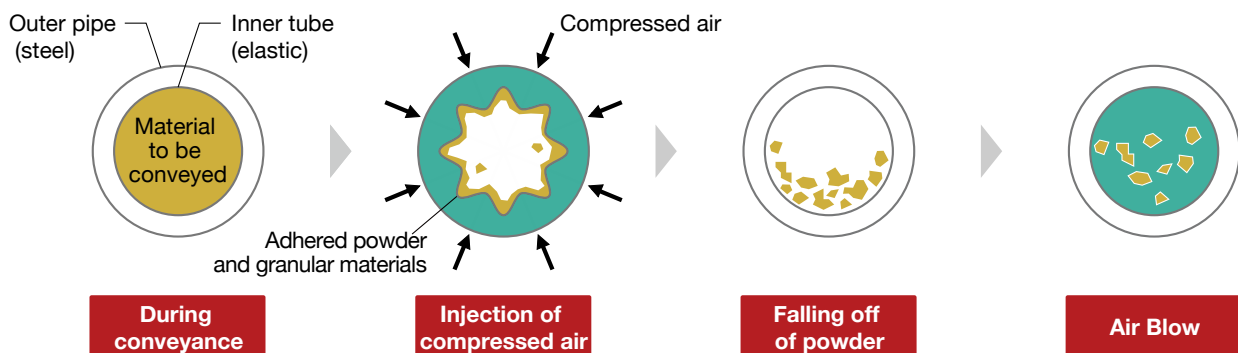
## Features of DTM

- The shake-off mechanism of DTM allows the system to convey powder and granular materials with adhesiveness.
- Since the system periodically shakes off adhered powder and granular materials by deformation and vibration of the inner tube, it can accomplish stable and long-term conveyance.
- It can be applied to both high pressure and low pressure conveyance.



Shake-off system

### [DTM shake-off mechanism]



## Application

- Powder and granular materials with adhesiveness (Titanium oxide, carbon black, silica fume, pigment powder).

A conveyance test will be implemented in the conveyance test facility in our company prior to adoption, and the applicability will be judged.

## System Structure of DTM

DTM periodically shakes off the adhered powders and keeps the inside of the piping in a clear state by forcibly deforming and vibrating the inner tube with injected compressed air between the outer pipe and elastic inner tube.

