



Technical Article

Dense Phase Pneumatic Conveying

Edited by on 11. Jan. 1981

[Published in bulk solids handling, Vol. 1 \(1981\) No. 1](#)

Pneumatic conveying is certain to be applied to an increasingly diverse range of industrial uses in the 1980s as its advantages become more widely accepted. This paper details how recent technical developments, in particular the introduction of dense phase systems have overcome many of the limitations previously associated with the pneumatic handling of bulk solids.

1. Introduction

The technology of pneumatic conveying is certain to be applied to an increasingly diverse range of industrial uses in the 1980s as its advantages become more widely accepted. It is possible to predict that the technique, just like materials handled in this way, will advance smoothly.

Such advance is being achieved as a result of technical developments which have overcome many of the limitations previously associated with pneumatic handling of bulk solids. It has, for example, been possible to scotch the erroneous belief that a material must be capable of being fluidized in order to be conveyed pneumatically. That is now being daily disproved by practical systems operating successfully in many parts of the world...