

# Pneumatic conveying test lab capabilities



**Use the latest technology and innovative tools to simulate real-life situations, test materials, correlate the results and increase understanding of processes and machinery.**

# Innovative process solutions

FLSmidth's state-of-the-art, world-class test facility is dedicated to providing industry-leading support for pneumatic conveying and blending applications.

This 9,500 square-foot complex is home to a wide variety of equipment used for the research of process designs, testing to support customer projects, and development of new technologies.

The comprehensive in-house capabilities, unmatched variety of equipment, and the breadth of experience differentiate FLSmidth in the industry and directly contribute to the success of our customers' installations worldwide.

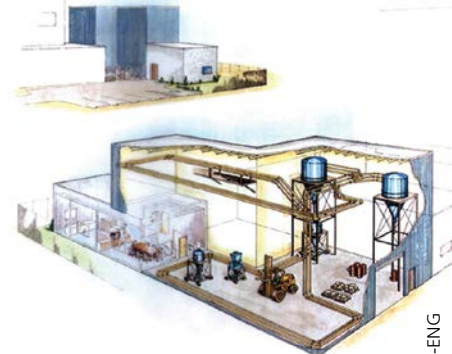
Decades of extensive cataloging of physical and chemical evaluations and critical design data supplies an unparalleled knowledge base for future system designs.

Available convey tests	Available line chargers	Line selection	Line length
Dilute phase	Pressure tank Metric 150 airlock HP 60 airlock	2" 304SS 3" Carbon 4" Aluminum	175' 350'
	HP 120 airlock	4" Aluminum 6" Aluminum	625' 290', 670'
Medium phase	150 M Fuller-Kinyon™ pump	3" Carbon 4" Aluminum	350' 350'
Dense phase	MODU-DENSE™ dense phase system (top or bottom discharge)	2" 304SS 3" Carbon 4" Aluminum	175' 350'
	HP 120 airlock	4" Aluminum 6" Aluminum	625' 290', 670'
	Modu-Flo MT™ dense phase system	4" x 6" Carbon steel	600'
Dense phase with boosters	Fullveyor dense phase system	2" 304SS 3" Carbon	175' 350'
Airslide™ gravity conveying	Variable airflow and slope; confirmation of convey rates		

Available blend tests	Blender size	Available configurations
Airmerge™ blender	30" dia. 42" dia.	Quad Quad, Octant
Column blender	24" dia.	n/a

## Physical and chemical tests available:

- Bulk density
- Particle sizing (sieve, laser)
- Specific gravity
- Moisture
- Fluidization
- Angle of rupture/repose
- Pack set
- Blaine
- Pickup velocity
- Additional chemical testing available through third party



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