

Materials Testing and Research



Modular equipment assemblies facilitate test programs

FLSmidth's research programs are aimed at maximizing the energy-efficiency and cost-effectiveness of pneumatic conveying systems.

Test configurations are designed and equipped to permit field-scale testing under precisely controlled laboratory conditions. Flexibility allows operators to go from vacuum to pressure in combinations of line lengths and pipe diameters.



Multi-unit receiving and transfer stations allow full-scale testing and material evaluations.

Computerized data acquisition systems permit continuous recording of variables including pressure drop, air volume, power consumption and material flow. Complete capability of evaluating materials to determine the most energy-efficient and cost-effective system design parameters also exist. Varying process conditions can be simulated in the laboratory, so that the effect on the conveying system can be observed prior to actual installation. Worst-case scenarios can be identified and designed for, thereby eliminating costly downtime.



FLSmidth Airmerge Blender

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