

Multifunctional Equipment for Weighing, Mixing and Transporting

# HIGH FLOW PNEUMA WMT

High Flow Pneuma Weighing Mixing Transporter (WMT)

The High Flow Pneuma WMT offered by Denka Consultant & Engineering Co., Ltd. (DCE) is a derivative of the High Flow Pneuma to which an air blending function is added. The High Flow Pneuma WMT is a pneumatic conveyance system to weigh, mix and transport materials.

Multiple kinds of powders can be weighed, mixed and conveyed by this system alone. This system requires compressed air only. This is multifunctional equipment to perform three jobs by itself.

## Features of High Flow Pneuma WMT

- Materials are weighed, mixed and then transported automatically.
  - (1) Various powders are weighed with a load cell and then charged.
  - (2) The materials are mixed with the internal circulation system that utilizes the air.
  - (3) The materials are conveyed to a destination with the pneumatic conveyance system.
- Since this system has multiple functions, it saves space and the construction cost is reasonable.
- The materials can be mixed and conveyed with a single compressor.
- This system can handle powders with abrasiveness.
- Since this system does not have any rotating or sliding parts, it requires virtually zero maintenance.

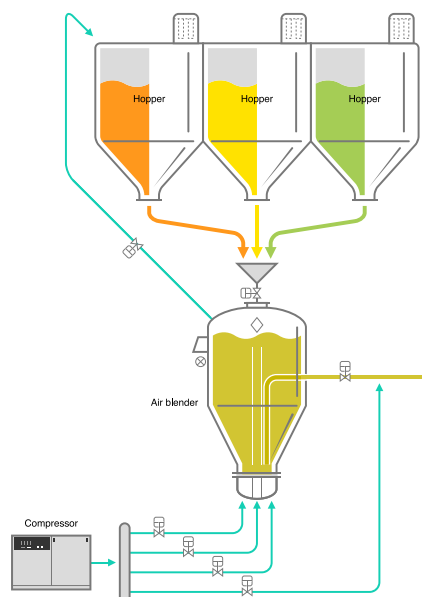


## Application Areas

This system is used to mix and convey pre-treatment agents for steel, such as calcium carbonate, unslaked lime and mill scale, as well as glass raw materials, ceramic powders, magnetic material powders, pigment powders, cement admixtures and detergent powders.

\* Steel pre-treatment agents can be conveyed with this system and then charged with an injection system.

## Example of High Flow Pneuma WMT's Configuration



# Functions and Applications of High Flow Pneuma WMT

The High Flow Pneuma WMT is equipment to which an air blending function is added to the conventional blow tank of the High Flow Pneuma.

Multiple kinds of powder and granular materials can be blended with the air blending function and conveyed with the conventional functions of the High Flow Pneuma.

