

Dry slurry material continuously using fluidized bed technology

# **Media Slurry Dryer**

**THE SOLUTION  
for Cost-effective Production  
of Fine Powder from Slurry**



**WE MAKE YOUR WORK FLOW**

**Carrier®**

Vibrating Equipment, Inc.

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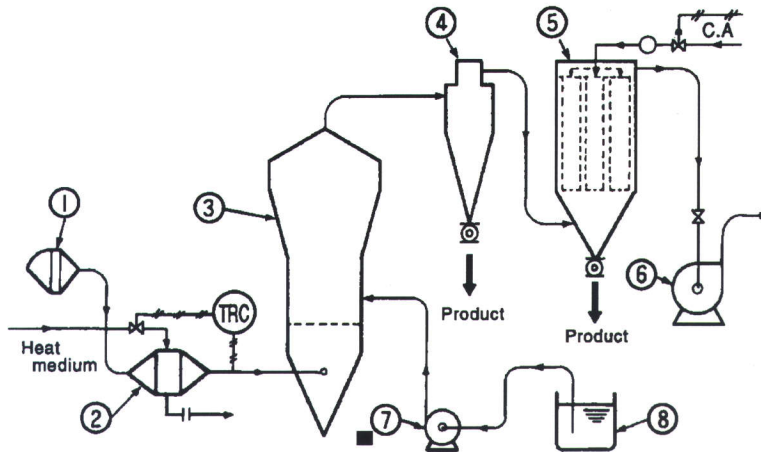
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# MEDIA SLURRY DRYER

Extensive research has led to the development of the Media Slurry drying system, utilizing fluidized bed drying technology. In addition to processing various raw material slurry, the Media Slurry Dryer offers a cost-effective method in the production of super fine powders from liquid phase reaction or wet grinding operations. High viscosity materials can be pumped directly into the Media Slurry Dryer, without mixing or atomization.

**Raw material applications include:** abrasives, alumina, aluminum hydroxide, barium sulfate, barium titanate, bentonite, calcium carbonate, calcium phosphate, carbon black, chrome oxide, dyes, ferrite, kaolin, metal powders, pigments, PVC emulsion, silicon resin, styrene resin, talc, titanium oxide and zircona.



Basic Flow Diagram of Media Slurry Dryer

## The Media Slurry Dryer System consists of:

- ① Air Filter
- ② Heater
- ③ Fluidizing Tower
- ④ Cyclone to collect dried product continuously
- ⑤ Bag Filter
- ⑥ Blower
- ⑦ Pump to Supply Slurry
- ⑧ Tank for Slurry Material

### FEATURES of the MEDIA SLURRY DRYER

- Compact Unit
- High Heat Capacity Coefficients
- Uniform Distribution of Slurry
- Fluidizing Technology
- Choice of Fluidizing Media
- Easy Inspection and Maintenance
- Effective Distribution of Air Flow

### COST-EFFECTIVE ADVANTAGES

- Low-cost, space-saving construction
- Accelerated drying time for large capacities
- No atomizer required
- Agglomeration prevented (no milling required)
- Selection based on product character
- Continuous, dependable operation
- Fuel Consumption Savings — Up to 30%

**Save space and cost over conventional spray drying operations!**

*Test in Carrier's lab to determine the most effective media fluidization to produce the desired size and drying percentage of end product. One more way Carrier is providing reliable solutions in productive and energy-efficient equipment!*

**Carrier® Vibrating Equipment, Inc.**

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