

## Fluid-Air Dryer

Mitchell Dryers Limited with over 70 years experience in thermal drying technology for the food, chemical, pharmaceutical and mineral processing industries have added the Fluid-Air Dryer to their range of dryers.

The Mitchell Fluid-Air Dryer is a fluid bed type dryer based upon the plug flow principal operating just below product fluidising velocity. Drying is assisted by agitation of the product bed which not only reduces air velocity but also aids mixing of the bed and control of residence time.

*The Fluid-Air Dryer provides:-*

- ◆ Inlet air temperatures up to 450°C
- ◆ Bed depths up to 300mm
- ◆ Enhanced heat transfer
- ◆ Increased energy efficiency
- ◆ Even product treatment
- ◆ Mixing of the bed
- ◆ Low fines carry over
- ◆ Controlled residence time
- ◆ Easy clean
- ◆ Low maintenance
- ◆ Reliable operation
- ◆ Large range of capacities
- ◆ Integral product cooling available



*Applications:* Foodstuffs; Pharmaceuticals; Chemicals and Minerals.

### Test facilities available in Carlisle.

Mitchell's range of dryers include: Vacuum Dryers; Flash Dryers; Continuous Band Dryers; Rotary Dryers and Coolers; Steam Tube Rotary Dryers; Rotary Calciners; Drum Pre-Warming Ovens, Stoves and Cabinets; Flakers and Drum Dryers; Fluid Bed Dryer.

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**LEADERS IN DRYING TECHNOLOGY**



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