The Future of Spray Drying

Dedert continues its long history of product innovation in industrial process equipment with the development of an advanced rotary atomizer for spray dryers, an adjustable air distributor, and a range of resealable flat and curved explosion venting doors. The design and operating features of these devices are outlined below.

**Direct-drive atomizer with magnetic bearings**
- 250 kW permanent magnet motor
- Requires no lubrication system
- Capable of high disc peripheral speed
- PLC based control and monitoring interface
- Patented

**Air distributor with adjustable air velocity cone and swirl vane angle** (Patented)
- Externally adjustable process air velocity range at the disc of between 4,000 to 10,000 fpm
- Externally adjustable process air swirl vane angle of between ± 30° from vertical
- Allows for optimization of chamber air and particle flow characteristic to keep roof and walls free from product build-up
- Allows for variability in air flow patterns whenever a spray dryer is configured to operate with either rotary and nozzle atomizers
Explosion venting doors

- Sanitary style doors are insulated, hinged, curved or flat and flush to the interior wall
- Aluminum construction with stainless steel interior skin
- Adjustable spring release latch force
- Unique hinge mechanism prevents gasket shearing
- Dual gaskets for air and water tight sealing
- NFPA-68 compliant

For more information contact:

Dedert Corporation Headquarters
17740 Hoffman Way
Homewood, Illinois 60430
United States of America
Phone: (708) 747-7000
Fax: (708) 755-8815
E-mail: info@dedert.com
www.dedert.com

Dedert (Canada) Inc.
135 Labelle Blvd., Suite 4
Rosemere, QC, Canada J7A 2G9
Phone: +1 (708) 747 7000
Fax: +1 (708) 755 8815
E-mail: info@dedert.com
www.dedert.com

Dedert (Shanghai) Drying and Evaporating Technology Co., Ltd
288, China Resources Times Square
No. 500 Zhangyang Road,
Pudong New Area
Shanghai, China 200122
Phone: +86 21 60450890
E-mail: info_ds@dedert.com
www.dedert.com.cn

Dedert International A/S
Borupvang 3
2750 Ballerup
Denmark
Phone: +45 28 12 00 10
E-mail: info@dedert.com
www.dedertintl.com

Dedert International (UK)
Kings Chase
107 King Street
Maidenhead, Berkshire
United Kingdom, SL6 1DP
Phone: +44 1628 702675
E-mail: info@dedert.com
www.dedertintl.com