

EXPERTISE  
WORLDWIDE



**DEDERT**

DRYING AND EVAPORATING TECHNOLOGIES



CHEMICAL



FOOD



STARCH



BIOFUELS



**Dedert Corporation  
Headquarters**  
Chicago, USA

**Dedert (Canada) Inc.**  
Montreal, Canada

**Dedert International (UK)**  
London, UK

**Dedert International A/S**  
Copenhagen, Denmark

**Dedert (Shanghai) Drying and  
Evaporating Technology Co., Ltd**  
Shanghai, China

## TECHNOLOGIES

### DRYERS

- Dedert Spray Dryers
  - Dedert Atomizers
  - Modular Spray Dryer
- Flash Dryers
- Ring Dryers
- P-Ring Dryers
- Steam Dryers / Pressurized
- Swiss Combi ecoDry™  
US Licensee
- Fluid Bed Dryer

### EVAPORATORS

- Evaporator Systems
  - Steam Heated Multiple Effect
  - Mechanical Vapor Recompression
  - Thermal Vapor Recompression
  - Crystallizers
  - Skid Mounted Evaporators
  - Pilot Rental Evaporator
- Energy Economy
- Energy Recovery

### INTEGRATION DRYING AND EVAPORATING SYSTEMS

### DEDERT'S REINEVELD CENTRIFUGE

### AFTER SALES

## ABOUT US

Dedert Corporation celebrated 50 years in business in 2018. A world leader in drying and evaporation technologies, Dedert introduced mechanical vapor recompression to the corn wet milling industry and was a pioneer of waste heat evaporation and energy integration. Our extensive experience and expertise has been leveraged into many industries, such as food and chemical and in later years, the fuel alcohol market. We have continually evolved with new thinking and new strategies, and we have built the company into a state-of-the-art, global leader in process engineering.

Dedert has supplied over 1800 installations worldwide for over 400 customers, the majority of whom have been repeat clients. We now have over 80 employees across the world, with offices in North America, Europe and Asia. Their performance, proven skill, passion and dedication has enabled Dedert to push technology boundaries and enter new markets to better support our customers, while maintaining delivery of the most reliable and efficient systems.

### Competitive Advantages

- Customer focused, with a large number of repeat business from existing customers
- Custom engineered solutions to meet customer-specific needs
- Innovative and continually expanding our technology portfolio
- Worldwide fabrication options enable us to provide cost effective, competitive solutions for our customers
- Pilot plant capabilities
- Expertise with turnkey projects



### DEDERT CORPORATION 50 YEAR TIMELINE

1968

William Dedert founded Dedert Corporation following the purchase of the Reineveld Corporation and the ownership of the Reineveld centrifuge technology specific to the starch industry from Machinefabriek Reineveld NV of Delft, The Netherlands.

1997

Acquired LFC B.V., a company that specialized in solid-liquid separation for the chemical and food / beverage industries.





**1998**

Acquired Vetter GmbH, a company that specialized in tube bundle dryers and screw presses for spent grain and yeast for the brewery, food/starch and biofuel industries.

**2001**

Acquired Drytec Ltd, a company specializing in flash and ring dryers. An exclusive licensee agreement was also signed with Swiss Combi (W Kunz dryTec AG) to sell ecoDry™ dryers in the US.

**2004**

Dedert Corporation acquired by the Nordic-based private equity fund CapMan and merged with Anhydro A/S under the Anhydro Holding A/S umbrella.

## TECHNOLOGIES

Dedert Corporation has successfully provided drying and evaporation technologies for a wide variety of products across the world since 1968.

### Fabrication Capabilities

Dedert manufacturing capabilities extend around the globe and incorporate all the major international standards. We source our fabrication in documented facilities that meet our high expectations and standards for mechanical quality and on time performance.

Dedert is pleased to offer fabrication in accordance with the following list of international codes:

- ASME
- TEMA
- PRESSURE EUROPEAN DIRECTIVE
- CE MARK
- AD MERKBLÄTTER
- UDT
- CODAP
- GOST
- SQL
- JIS
- CSA

*Additional codes are available if required.*

### Materials Expertise

- Austenitic Stainless Steels
- High Nickel Alloys
- Duplex Stainless Steels
- Rubber-lined Steel
- Fiber Reinforced Plastic (FRP)
- Titanium

## INDUSTRIES

Dedert's 50 years of experience covers many industries and products; as shown in the selection of products listed below.

Our customers are provided with custom-designed evaporation and drying technologies optimally tailored to their product's particular parameters and material characteristics.

### EVAPORATOR PRODUCTS

Amino Acids  
Ammonium Sulfate  
Barley Stillage  
Beet Stillage  
Betaine Caustic Stillages  
Cane Stillage  
Citric Acid and Salts  
Corn Stillage  
Corn Syrup / Glucose  
Dextrose  
Erythritol  
Fructose  
Gulonic Acid  
Kaolin  
Lactic Acid  
Lysine  
Maltodextrin  
Molasses  
MSG  
Pea Solubles  
Potassium Carbonate  
Rendering Waste  
Sodium Chloride  
Sodium Thiocyanate  
Sorbitol  
Steepwater  
Succinic Acid  
Sucrose  
Sugar Vinasse  
Tomato Sauce  
Theonine  
Vitamin C  
Wheat "C" Starch Effluent  
Wheat Stillage

### DRYER PRODUCTS

Agrochemicals  
Algae  
Calcium Carbonate  
Calcium Hypochlorite  
Citrus Fiber  
Corn Germ  
Corn Gluten  
Corn Fiber  
Corn Starch  
DDGS  
Detergents  
Dried Cellulose  
Dyestuff  
Erythritol  
Fiber  
Gypsum  
Lignin  
Metal Oxide  
Orange Peel  
Pea Fiber  
Pea Protein  
Pigments  
Polymers  
Wheat Gluten  
Wheat "A" Starch  
Wheat "B" Starch  
Wood Fiber  
Yeast

2007

Dedert rebranded as Anhydro Inc.

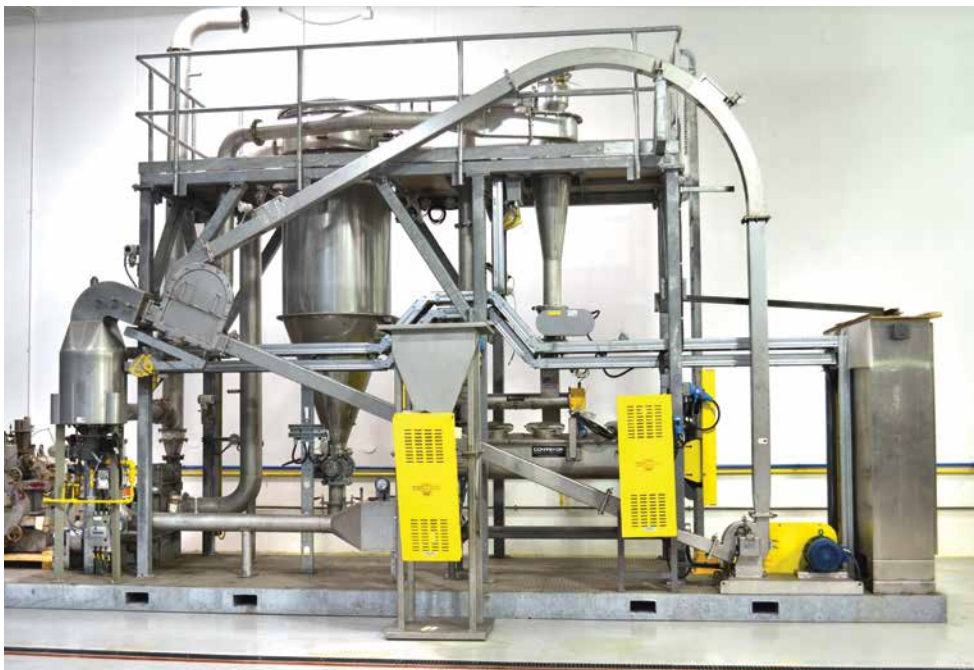
2010

Anhydro Inc. rebranded as Dedert Corporation and embarked on a strategy to expand its technology offerings and gain access to new markets globally.

2011

Dedert moved into a new head office in Homewood, Illinois. The North American headquarters combines an expanded office with a fully equipped state-of-the-art, 10,000 square foot onsite research facility.





2012

Dedert (Shanghai) Drying and Evaporating Technology Co., Ltd. formed with its office near Shanghai, China. The office enables Dedert to support the Chinese market with its full range of products and services.

2013

Dedert signed a further agreement to allow Dedert to promote Swiss Combi ecoDry™ dryers in China and South America.

2014

Dedert International A/S opened near Copenhagen, Denmark. An agreement was also signed with Aguilar y Salas in Brazil to support customers in South America.

## TESTING

Dedert's experienced professional engineers assist customers in developing dryer and evaporator processes, taking them from concept to pilot scale to production. Dedert's fully-equipped, 10,000 square foot onsite research facility allows customers' products to be tested on a pilot scale to establish the correct parameters and material characteristics needed for optimal design and scale-up, and to produce samples for market research.



## AFTER SALES

Dedert's commitment to complete customer satisfaction does not end with the sale of our world class evaporators, dryers or centrifuges. Equipment performance relies not only on high quality replacement parts, but also on preventive maintenance. Dedert is able to provide trained technicians for on-site services. Whether the installation of replacement components, diagnostic support, performance audits or emergency repair, Dedert can supply the skilled personnel necessary to ensure our customers meet peak performance demands.

Our After Sales and Service Department is dedicated to assisting our customers optimize performance over the life time of the equipment and avoiding costly unscheduled downtime.

### COMPONENT EXAMPLES

#### EVAPORATOR

- Sight Glasses
- Body Flange Gaskets
- Mesh and Chevrons

#### DRYER - ALL TYPES

- Disintegrator Paddles
- Rupture Discs
- Seals

#### REINEVELD CENTRIFUGE

- Baskets
- Scraper Knives
- Filter Cloths

#### ROTARY DEWATERING SCREEN

- Bearings
- Paddles
- Screens

#### SWISS COMBI EcoDry™

- Drum Seals
- Expansion Joints
- Trunnion Rollers

### ON-SITE SERVICE

#### EVAPORATOR

- Inspections
- Spray Nozzle Installations

#### DRYER - ALL TYPES

- Capacity Improvements
- Energy Audits
- Performance Surveys
- Retrofits

#### REINEVELD CENTRIFUGE

- Bearing Replacements
- Basket Replacements
- CIP System Upgrades
- Door Locking Pin Repairs
- Load Sensor Installations

#### ROTARY DEWATERING SCREEN

- Clearance Adjustments

#### SWISS COMBI EcoDry™

- Drum Alignments
- Trunnion Resurfacing
- Efficiency Audits

2015

Patented an oil-free atomizer for spray drying, built around permanent magnetic motor and magnetic bearing technology.

2016

Dedert Canada opened in Montreal, Canada.

2017

Dedert International A/S office opened in London, UK.

2018

Launched new spray drying pilot plant facility at Dedert's headquarters.





#### **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](mailto:info@dedert.com)  
[www.dedert.com](http://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](mailto:info@dedert.com)  
[www.dedert.com](http://www.dedert.com)

#### **Dedert (Shanghai) Drying and Evaporating Technology Co., Ltd**

28B, China Resources Times Square  
No. 500 Zhangyang Road,  
Pudong New Area  
Shanghai, China 200122  
Phone: +86 21 60450890  
E-mail: [info\\_ds@dedert.com](mailto:info_ds@dedert.com)  
[www.dedert.com.cn](http://www.dedert.com.cn)

#### **Dedert International A/S**

Borupvang 3  
2750 Ballerup  
Denmark  
Phone: +45 28 12 00 10  
E-mail: [info@dedert.com](mailto:info@dedert.com)  
[www.dedertintl.com](http://www.dedertintl.com)

#### **Dedert International (UK)**

Unit 4.1, Switchback Office Park,  
Gardner Road  
Maidenhead, Berkshire  
United Kingdom, SL6 7RJ  
Phone: +44 1628 702675  
E-mail: [info@dedert.com](mailto:info@dedert.com)  
[www.dedertintl.com](http://www.dedertintl.com)