

RENTAL OF PILOT EQUIPMENT



#2 - July 2020

Prayon rents **drying and calcination process equipment**. This equipment is available at Prayon's Engis production site in Belgium. Our staff are on hand to provide support!

EQUIPMENT AVAILABLE FOR RENTAL :



SPRAY DRYER

(from 80°C to 180°C) APV BEL 508 (SPX Anhydro)

- Evaporation capacity: 140 kg of water per hour
- Materials in contact with the product: 316 L stainless steel
- Filtration of the drying air: Cyclone and/or Bag filter
- Spray systems: Rotary disc atomiser or Nozzle sprayer in a fountain configuration
- Dryer reaction and feed vessels (steam-heated, insulated and shaken): from 300 to 6,000 litres



FLASH DRYER

(from 80°C to 150°C) BARR ROSIN

- Model: C2366
- Materials in contact with the product: 316 SS stainless steel
- Evaporation capacity: 100 kg of water per hour
- Filtration of the drying air: Cyclone and/or Bag filter
- Dryer reaction and feed vessels (steam-heated, insulated and shaken): from 300 to 6,000 litres



ROTARY KILN

(from 80°C to 800°C)

- Rotary kiln with lifting paddles
- Co- or counter-current heating
- Can run with or without hot recycling loop
- Can run with or without cold recycling loop
- Materials in contact with the product: 316 stainless steel and ordinary steel
- Feeding with powder from a big bag or spraying with an aqueous suspension
- Finished product comes out in a big bag
- Evaporation capacity: 100 kg of water per hour
- Filtration of the drying air: Scrubbing tower and/or Bag filter
- Spray system: Choice of hollow cone, full cone or fan nozzles
- Dryer reaction and feed vessels (steam-heated, insulated and shaken): from 2,000 to 6,000 litres

RENTAL OF PILOT EQUIPMENT



These machines are part of complete units, where the following operations are performed:

- liquid-phase reaction;
- separation of solids and liquids;
- drying and calcination.

The equipment can run **during the day or in three shifts**, depending on demand.

It is available to clients from a wide range of industries, providing their production processes are suited to the use of grade 316 stainless steel.

Our **large team of experts** is available to assist clients and help them to meet their specific needs and requirements as closely as possible.

A FLEXIBLE SOLUTION FOR CLIENTS

- Testing period for new products
- Efficient production of small quantities
- Solution for bottlenecks
- Solution for equipment breakdowns

CONTACT

Xavier WATTIEZ (Senior Research Scientist)
Rue Joseph Wauters, 144 / B-4480 Engis

Tel. +32 (0) 4 273 97 80

Mail. Trial.center@prayon.com

MORE INFORMATION

www.prayon.com/pilots-rental