SAVE ENERGY AND IMPROVE YIELD AND QUALITY WITH THE

CORE SPRAYDRYER CONTROLLER CORE-SDRY

CORE

THE CONTROL CHALLENGE

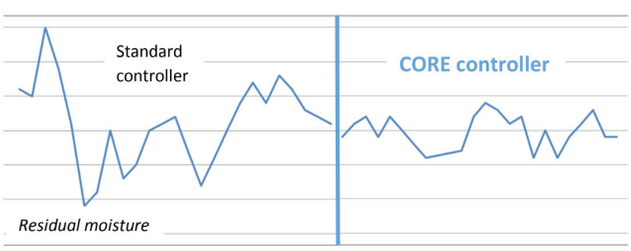
Spraydryers are used to produce powders, evaporating water from sprayed droplets falling through the spraydryer.

The amount of water may be significant and removing the right amount of water saves energy compared to drying too much water off – how much is saved depends on how well the spray-dryer is controlled. Also, the variation in residual moisture in the powder depends on how well the spraydryer is controlled.

To achieve a higher energy efficiency, higher capacity and a more consistent powder quality, the spraydryer must be kept at the right in air and exhaust air temperature, taking other variables into account, e.g. the ambient humidity.

Loss of control means uncontrolled variations in energy consumption and in residual moisture.

Consequently, also capacity, yield and quality varies.



CORE-SDRY

The CORE-SDRY advanced spraydryer controller utilizes critical information regarding process history to substantially reduce variations in residual moisture, and thereby improve the spraydrying process, saving energy and improving yield and quality.

CORE-SDRY continuously collects and uses parameters such as feed, temperatures, air flow, and other available measurements to adjust the feed and exhaust temperature for the spraydryer in order to keep a stable and optimal residual moisture level.

Prior to installation, CORE always provides an analysis of the potential for energy savings and the potential for increased capacity and yield.
CORE projects generally have a payback period between 6 months and 1 year.

The CORE-SDRY controller is delivered on a separate PLC and with the communication units needed.

The controller is implemented swiftly and commissioned without disturbing production.