



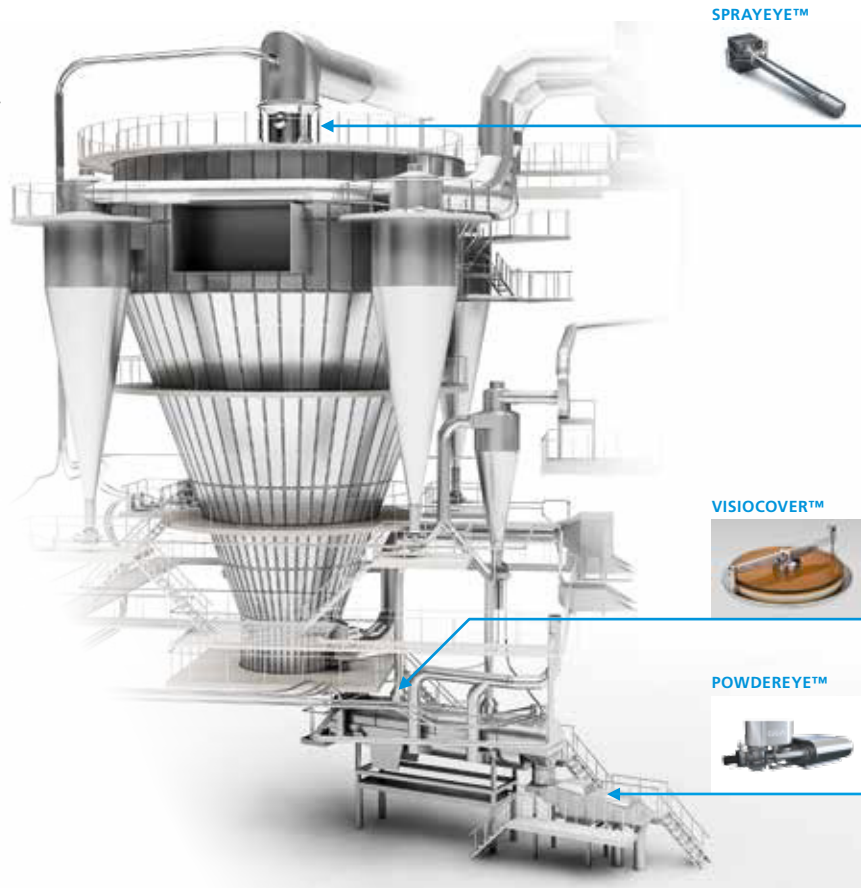
# Process control and monitoring

Smart instrumentation for optimized spray drying

# Process control and monitoring

GEA's range of process control and monitoring systems are designed to optimize your spray drying process, giving you the best possible return at the lowest cost of ownership.

With a range of sophisticated features to increase output efficiency, save energy and monitor product quality, each system offers significant advantages and ways to improve your production – and your profitability.



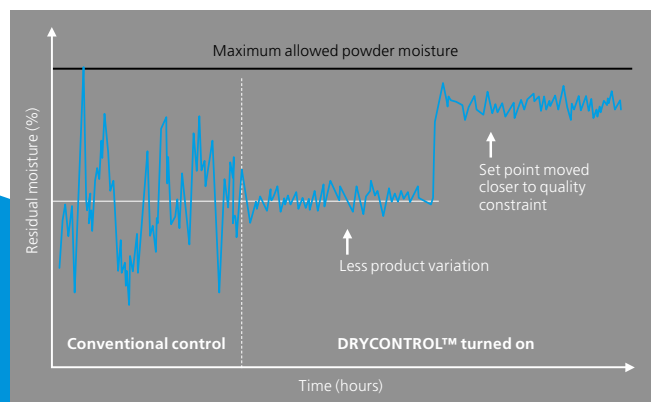
## DRYCONTROL™

The DRYCONTROL™ offers precise control and the optimization of both residual moisture in the final powder and the drying conditions in the chamber.

- Capacity utilization is maximised, while avoiding chamber fouling
- Based on models of the specific dryer and product
- Supported by new innovative inline instrumentation, including the POWDEREYE™ (Patent pending)
- Disturbance rejection before the powder properties are affected

## KEY BENEFITS

- Increased utilization of the spray dryer's capacity
- Increased yield with higher moisture content in the final powder (including the POWDEREYE™)
- Less variation in product quality
- Less energy consumption/kg powder
- Fewer deposits by controlling powder stickiness





### SPRAYEYE™ Visual

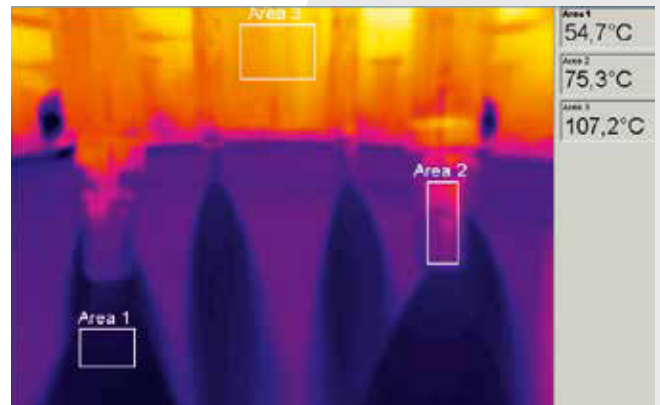
Continuous visual quality control.

- Quick identification of product build up
- Control of spray pattern
- Instant check for leaks
- Surveillance of fines return flow

### SPRAYEYE™ IR (patented)

Increased safety through the thermal surveillance of possible spray nozzle deposits.

- Alarm to highlight a temperature increase
- Early detection of deposits
- Ability to identify exact position, temperature and size of deposit



### POWDEREYE™ (Patent pending)

Inline platform to measure the relevant properties of the final powder, including powder colour and density.

- Continuous moisture measurement allows the plant operator to optimize the moisture content of the final powder
- Dark particle detection identifies scorched particles before the quality specification is reached or a dangerous situation arises
- Possibility for timed reference sampling, sampling on demand or when a specification is not met

### VISIOCOVER™ (patented)

The VISIOCOVER™ and SANICOVER™ covers are designed specifically for the food and dairy industries. Benefits and features include

- Direct inspection
- Sanitary and safe operation through hygienic design
- Excellent view of the interior
- Built-in camera for remote monitoring (VISIOCOVER™)
- Diagnostic tools





## We live our values.

Excellence • Passion • Integrity • Responsibility • GEA-versity

GEA is a global technology company with multi-billion euro sales operations in more than 50 countries. Founded in 1881 the company is one of the largest providers of innovative equipment and process technology. GEA is listed in the STOXX® Europe 600 Index. In addition, the company is included in selected MSCI Global Sustainability Indexes.

### GEA Denmark

GEA Process Engineering A/S

Gladsaxevej 305

DK-2860 Soeborg

Tel +45 39 54 54 54

Fax +45 39 54 58 00

[gea.com/contact](http://gea.com/contact)

[gea.com](http://gea.com)