

# ESDT5 Spray Dryer

European SprayDry Technologies

**ESDT 5 is a modern designed, high performance spray dryer fit for the 21st Century.**

Purpose built for small scale high value sanitary production and utilising 3 fluid nozzle technology for reliable long period operation.

The plant is complete, supplied with both feed and powder collection vessels. All you need to do is plug into a 3 phase power supply and connect to a clean compressed air source to start your drying experience.

ESDT 5 boasts a modern livery that blends into the most sophisticated laboratory or production facility, with a swivel HMI touch screen allowing monitoring from almost any angle.

A G8 high efficiency intake air filter system ensured production air in contact with product is sanitary. Feed fluids are delivered by robust but simple to setup peristaltic pump boasting an integrated control with the PLC for automated running.



The application of three fluid technology ensures long fuss free atomisation. The nozzle assembly is also quick and easy to dismantle and clean.



The Spray Dryer is capable of both manual and fully automated control. The electronic apparatus including PLC and frequency inverters are housed neatly within an integral panel IP66 housing.

Control is easy with a windows based PLC system with fully adjustable parameters and programmable alarms. The operation of the spray dryer is via an industrial standard touch screen interface.





ESDT 5 is fully mobile operating system being mounted on castors for multi area locations.

The chamber is fully insulated for energy efficiency with profiled access door for inspection and cleaning.

Powder is separated from the air using high efficiency cyclone with powder discharging into a collection bin located directly beneath.

## Technical Specification

Height .....	2610mm
Width .....	923mm
Length .....	1784mm
Weight .....	600kg
Evaporation Rate .....	5Kg/hr
(at 200 °C (392 °F) Inlet Air Temperature & 90 °C (194 °F) Exhaust Temperature	
Heater .....	15Kw
Running Load .....	9Kw

## Power Characteristics

Europe .....	380/440v 3ph 50hz
USA .....	480v 3ph 60hz



## European SprayDry Technologies

Regal House | South Road | Harlow | Essex | CM20 2BL | United Kingdom

Sales: +44 (0)1279 248 100 / +44 (0)115 714 9750

Sales@spray-dryer.com

www.spray-dryer.com