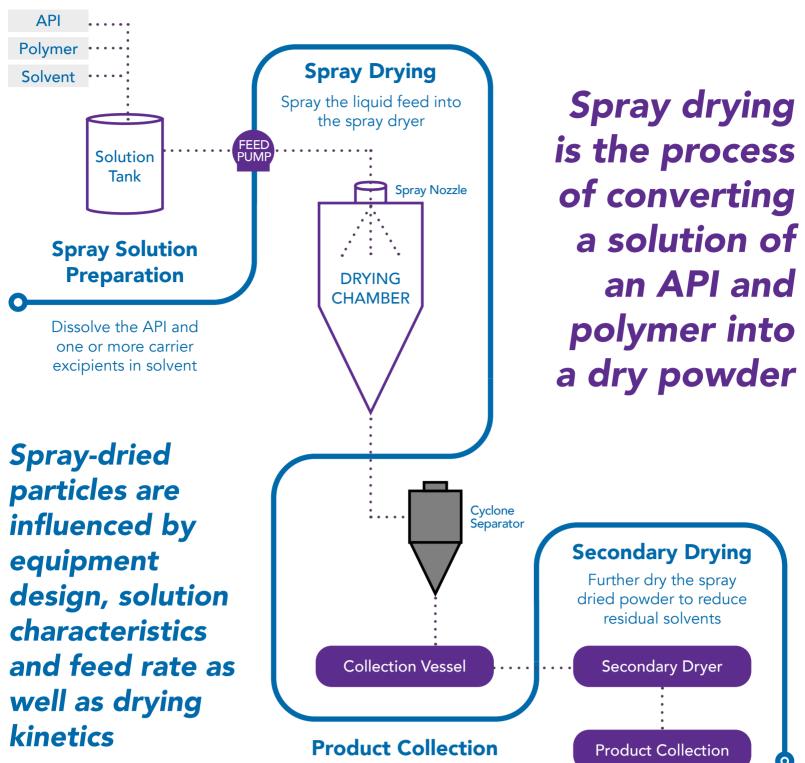
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Fundamentals of spray drying process development

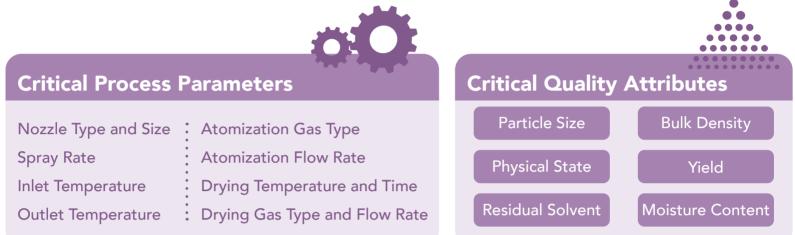
SPRAY DRYING PROCESS



SPRAY DRYING PROCESS PARAMETERS

Separate dried particles from exhaust air stream

Identifying Critical Process Parameters and their impact on Critical Quality Attributes in early development can help ease the transition from early to latestage manufacture



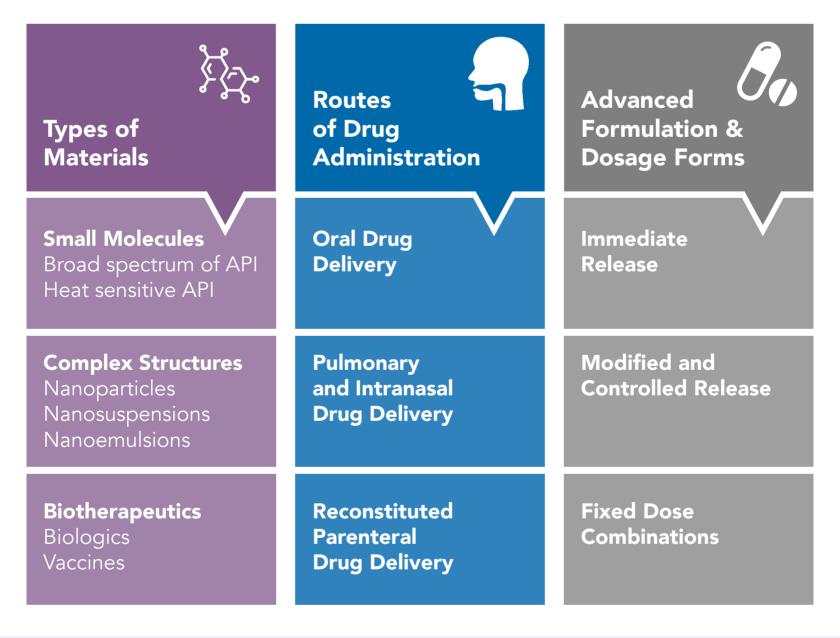
PROCESS DEVELOPMENT ROADMAP

A robust spray drying scale-up methodology can be used to progress spray dry formulations from pilot scale to commercial scale production



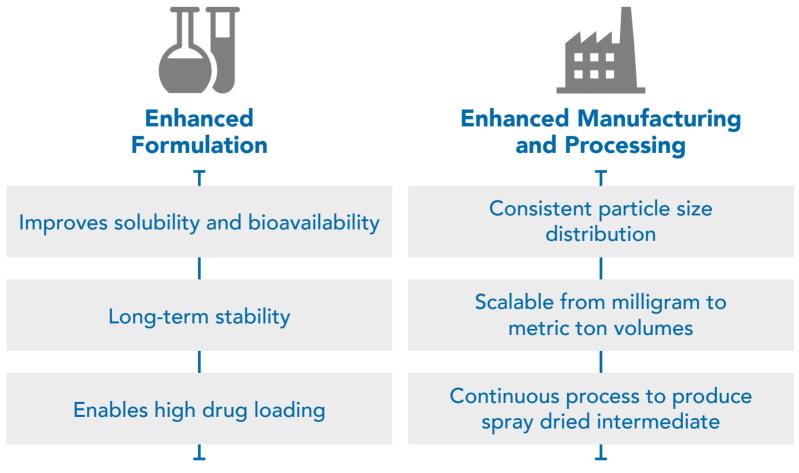
APPLICATIONS

Spray drying is a well-established technology for processing a wide range of drug types and dosing requirements



BENEFITS

Spray drying is known to improve the delivery profile of APIs and offers several advantages in drug formulation and manufacturing





WHY CATALENT

Catalent offers comprehensive integrated spray drying solutions, from early development, through commercial-scale manufacturing, to accelerate your path to market



Accelerated **Development**

Expertise in spray drying formulation and process development to overcome complex product challenges



Fast Tech Transfer

Robust technical expertise to support smooth tech transfers and scale-up for your spray drying programs



Reliable **Commercial Supply**

Proven commerical scale spray drying and finished dose form manufacturing capabilities for a fully integrated solution

Every molecule has a challenge. We have a solution. **Challenge Us.**

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