PHARMACEUTICAL & BIOPHARMACEUTICAL PROCESSING

TABLET COATING, HIGH-SHEAR GRANULATION, FLUID BED PROCESSING, VESSEL/EQUIPMENT CLEANING, SPRAY DRYING

Spraying Systems Co.®
Experts in Spray Technology
COMPLETE SPRAY SOLUTIONS FOR PHARMACEUTICAL PROCESSING

DEDICATED TO MEETING YOUR cGMP REQUIREMENTS

As the world's expert in spray technology, Spraying Systems Co. has partnered with leading pharmaceutical manufacturers and researchers to develop new spray products that improve product quality and process efficiency. With these new technologies in hand, we are able to provide:

• Solutions that meet your cGMP requirements
• Products designed in compliance with ASME BPE standards
• Extensive turnover packages detailing every aspect of our fabrication process
• Testing services available to optimize any spray application
• Assist in defining SOP
• Customized products and set-ups that meet your complex needs
• Outstanding service and support through our global network of sales offices

APPLICATIONS

SOLID DOSAGE
• Tablet coating
• High-shear granulation
• Fluid bed coating (Wurster process) and granulation
• Cleaning
• Spray Drying

BIOPHARMACEUTICAL
• Clean in Place
• Foam Control
• Corrosive

FLUID BED AND GRANULATION

FLUID BED NOZZLES - IMPROVE GRANULATION AND COATING
• Fully customizable fluid bed nozzles
• Designed to simplify your scale-up, reduce maintenance, and improve batch quality
• Now available from R&D sizes through full production scale

FULLY CUSTOMIZED LANCES FOR YOUR HIGH-SHEAR GRANULATION APPLICATION
• Completely customizable, designed to fit your mixer's exact specifications
• Threadless, sanitary design – all components are welded in place
• Materials of construction: 316L stainless steel

SPRAY RESEARCH & PERFORMANCE TESTING

Optimizing your spray system not only ensures product quality, but can save you significant costs. We have the ability to extensively test and research products with our state-of-the-art laboratory equipment. We continue to lead the spray industry in testing and research capabilities to provide the most effective solutions for the pharmaceutical industry.

For more information about our testing capabilities, visit sprayconsultants.com.
VESSEL/EQUIPMENT CLEANING

CLEANING SOLUTIONS FOR END USER AND ORIGINAL EQUIPMENT MANUFACTURERS

Static Nozzles & Wands
• Standard and custom spray balls
• Exotic alloys and non-metallics
• Unique integration of nozzles and wand designs

Rotary Nozzles
• Regulated and non-regulated, liquid-driven
• Liquid hydraulic bearings are self-flushing & draining
• Metallic and non-metallic materials

HYGIENIC MANUFACTURING
• Manufactured to cGMP standards
• Engineering group with extensive knowledge of ASME BPE design standards
• Data requirement options: passivation, electropolish, surface finish, flow, and welder certificates. Material Test Reports (MTRs) and NDE.
• Welders are BPVC Sect. IX compliant

SPRAY DRYING

SPRAYDRY® NOZZLES FOR COMPLETE PARTICLE SIZE CONTROL
• Clog resistant
• Easy to maintain

FOR MORE SPRAYDRY® INFORMATION REFER TO: Bulletin 695

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Spraying Systems Co.
Experts in Spray Technology

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