

RDS Engineering

Production Solutions

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INTRODUCTION

RDS Engineering presents this Line Card summarizing our service offerings and areas of expertise as an Engineering Service Provider (ESP). This presentation is a summary, not a complete list of our capabilities.

DISCIPLINES

- Engineering
 - Process
 - Packaging
 - System Integration
 - Mechanical
 - Civil/Structural/Architectural
 - Electrical/Controls
 - Utilities
 - Instrumentation
- Project Management
- CAD Drafting/Design

PRODUCT SAFETY EXPERIENCE

RDS Engineering is experienced in adhering the following Hygienic and Sanitary design standards and specifications:

- FDA
- USDA
- 3-A
- GMP
- GLP
- GDP
- Validation

SERVICE OFFERINGS

- Engineering
 - Process & Utilities Design
 - Process Flow Diagrams
 - P&ID's
 - Facility/Line Layout
 - Cost Estimating
 - Feasibility Studies
 - Equipment and System Specifications
 - Electrical/Controls
 - Electrical Schematics
 - Power Distribution
 - Panel Layout/Design
 - PLC & HMI Programming
- Computer System Validation
- Project Management
 - Value Engineering (VE)
 - Scope and Bid Package Development
 - Site Administration Support
 - Construction Support
 - Startup and Commissioning
 - Equipment Checkout
 - Training
 - Factory Acceptance Testing
- CAD Design and Drafting
 - AutoCAD, SolidWorks, MicroStation
 - 3D Modeling
- Product Quality and Safety
- Personnel Safety
 - Machine Guarding Assessments
 - Pedestrian Safety Risk Assessments

EQUIPMENT/SYSTEM EXPERIENCE

RDS Engineering is experienced in the following equipment and systems:

- Processing
 - Bulk Storage (Liquid, Dries)
 - Recipe Controlled Batch Mixing
 - Dry Material Conveying (Belts, Augers, Pneumatic)
 - Liquid transfer systems (Pumps, valves, piping)
 - Blending
 - Extrusion
 - Concentration
 - Slab Forming
 - Wire Cutting
 - Rotary Molding
 - Ovens / Dryers (Rotary, Fluid Bed, Band)
 - Dust Collection
 - Cooling Tunnels
- Packaging
 - Bag-in-Box
 - Wrappers
 - Cartoners
 - Case Formers and Packers
 - Palletizers
 - Scales/Baggers
 - Shrink Wrappers
 - Contaminant Detection
 - Check Weighing
 - Date Coding

INDUSTRY EXPERIENCE

RDS Engineering is experienced providing engineering solutions to the following industries:

- Food and Beverage
- Pharmaceutical
- Automotive
- Electronics
- Paper
- Plastics
- Steel
- Utilities
- Consumer Products
- Building Products