# RYTEC®

a **NUCOR**® company

SmartSurround®
ADVANCED DETECTION & ALERT SYSTEM

# HIGH-PERFORMANCE DOORS

## QUALITY. PERFORMANCE. RELIABILITY.

# Why Choose Rytec Doors?

## Maximum Speed
Operate up to 7 times faster than conventional doors with average opening speeds from 50 to 100 inches per second. Select models open at speeds over 182 inches per second.

## Maximum Safety
Integrated safety features and technology are a standard part of Rytec doors - to protect people and equipment. Many additional safety options are available for specific applications and environments.

## Maximum Longevity
Industrial-strength construction and materials make Rytec doors extremely durable for virtually uninterrupted operation. Built to last millions of operating cycles, day in day out.

## Maximum Utility
Increased productivity, decreased energy costs and increased security across various environments.

## Minimal Maintenance
Our doors are engineered for high use and low maintenance. Select models are designed with break-away or self-repair features if impacted.

## Modern Technology
Innovative solutions such as SmartSurround® Detection & Alert System, Advanced³ Light Curtain Safety System and System 4® Door Controller provide an array of intuitive technology that detects, monitors and controls activity, ensuring high-tech functionality and intelligent operation.

# High Speed, High-Performance and High Standards

## Every Industry...

- Apartment/Condo Parking
- Automotive Dealership
- Biotech
- Cold Storage & Processing
- Distribution
- Food/Beverage Processing
- Food/Beverage Distribution
- Government
- Manufacturing
- Nutraceutical
- Parking
- Pharmaceutical
- Warehousing
- Transit

## ...and Every Application

- ASRS
- Clean Rooms
- Coolers & Freezers
- Fire Stations/EMS/Police
- Heavy Equipment Wash, Storage & Repair
- Hospitality/Retail
- Hurricane Zone
- Large Openings
- Loading Docks
- Parking
- Security
- Self-Storage
- USDA/FDA/cGMP
- Ventilation
- Warehousing



# North America's Leading High-Performance Door Manufacturer

- Automotive Dealership
- Cold Storage & Processing
- Food & Beverage Processing/Distribution
- Government & Municipalities
- Mfg/Dist/ Warehousing
- Parking
- Pharmaceutical/ Nutraceutical/Biotech
- Security
- Transit

# SPIRAL® RIGID ROLLING DOORS


SmartSurround®


SmartSurround®




SmartSurround®

## Spiral®
### The Original

- High-speed rigid rolling door with architectural style and an exclusive spiral roll-up design
- Advanced³ Light Curtain Safety System standard on all non-HZ high-speed models
- Ideal for security applications
- Durable powder coated side columns and head console

## Spiral® FV®
### Full Vision

- High-speed rolling door with full-vision LEXAN™ slats
- Ideal for automotive and security applications
- Standard clear plus tinted bronze or grey options for solar heat gain reduction
- Durable powder coated side columns and head console

## Spiral® HZ®
### Hurricane Zone

- High-speed hurricane-zone rolling door, compliant with Miami-Dade County and Florida Building Code*
- Certified to withstand winds up to 175 miles per hour
- Negative/positive pressure and large/small missile impact tested

## Spiral® LH®
### Low Headroom

- High-speed rolling door with special track design and compact-sized motor for tight spaces
- Ideal for low headroom/ low lintel applications
- Full-vision Spiral® LH®-FV® or full-ventilation Spiral® LH®-VT models available




SmartSurround®


SmartSurround®



## Spiral® LH®-HZ®
### Low Headroom and Hurricane Zone

- High-speed hurricane-zone rolling door, compliant with Miami-Dade County and Florida Building Code*
- Certified to withstand winds up to 175 miles per hour
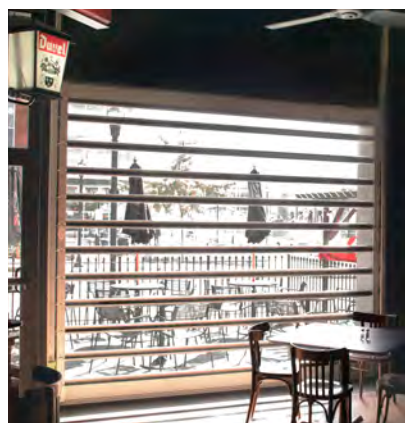- Ideal for low headroom/low lintel applications

## Spiral® LP
### Low Profile

- High-speed rolling door with compact side columns and headroom clearance for tight spaces
- Ideal for commercial, parking, and residential applications
- Durable powder coated side columns and head console

## Spiral® VT
### Ventilated

- High-speed ventilated rigid rolling door
- Ideal for parking garages
- Perforated, round-hole style slats for continuous air flow
- Durable powder coated side columns and head console

## Spiral® VP
### Lower Speed, Lower Cycle

- High-performance door with aesthetic appeal
- Ideal for lower speed and lower cycle applications
- Direct drive and balanced models
- Standard lift, vertical lift or high lift configuration

Standard maximum sizes shown; larger sizes may be available upon request.
*Notice of Acceptance (NOA) from Miami-Dade County, NOA No. 23-0929.05 and Florida Building Product Approval: FL# FL28502-R3

# FABRIC ROLL-UP DOORS

## FlexTec®
### Flexible Bottom Edge Door

- High-speed, flexible bottom, self-repairing roll-up door
- Ideal for high-traffic applications
- Optional exterior/pressure package available
- Standard size up to 12'W x 12'H; XL & T model up to 16'W x 20'H

## PredaDoor® NXT®
### Next Generation Features

- High-speed roll-up door with Break-Away™ feature
- Ideal for industrial and cold storage/cooler applications
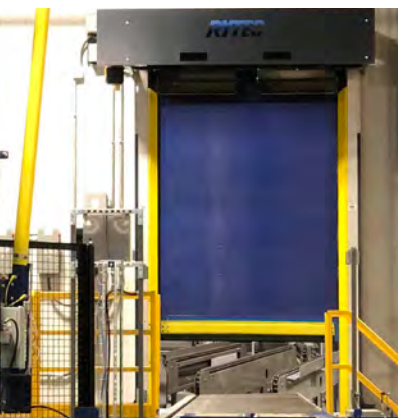- Standard size up to 16'W x 15'H

## Fast-Seal®
### Revolutionary Reliability

- High-speed roll-up door with Break-Away™ feature
- Ideal for high pressure or wind applications
- Maximum size up to 35'W or 24'H; maximum door size up to 600 sq ft

## Turbo-Seal® Insulated
### Fast and Energy Efficient

- High-speed, insulated, self-repairing roll-up door
- Ideal for coolers and freezers
- Standard size up to 12'W x 21'H
- Optional heated defrost

## Sure-Seal®
### ASRS Conveyor Door

- High-speed, insulated, automated storage & retrieval system (ASRS) roll-up door
- Ideal for temperature controlled, non-live traffic applications
- Standard size up to 6'W x 13'H

## PredaCool™
### Temperature Maintenance

- High-speed roll-up door with Break-Away™ feature
- Ideal for cooler applications
- Standard size up to 12'W x 16'H

## Plexline®
### Advanced Composite

- High-speed fiberglass composite roll-up door
- Ideal for corrosive environments
- Standard size up to 16'W x 15'H
- Optional counterweighted lift assist

## Bantam®
### Dock Door

- Manually-operated economical fabric door with motorized option
- Ideal for industrial applications
- Standard size up to 10'W x 10'H (manual) 15'W x 14'H (motorized)

Standard maximum sizes shown; larger sizes may be available upon request.

# FABRIC ROLL-UP DOORS

## Pharma-Seal®
**cGMP-Compliant**

- High-speed roll-up door, fully-enclosed with stainless steel
- Ideal for hygienic applications
- Standard size up to 10'W x 10'H

## Plexline® Clean
**Clean Composite**

- High-speed fiberglass composite roll-up door
- Ideal for hygienic applications
- Standard size up to 16'W x 15'H
- Optional counterweighted lift assist

## Clean-Roll®
**USDA-Compliant**

- High-speed roll-up door with stainless steel construction
- Ideal for applications requiring absolute cleanliness and wash down capabilities
- Standard size up to 12'W x 12'H

## PredaClean™
**FDA-Compliant**

- High-speed roll-up door with lift-off stainless steel side covers
- Ideal for food processing applications
- Standard size up to 12'W x 12'H

# SLIDING DOORS

## Turbo-Slide®
**Insulated Sliding Doors**

- High-speed sliding door with R-values from R-17 to R-40
- Ideal for coolers and freezers
- Offers nearly instant access to full height of door opening
- Flex-Panel design offers superior impact resistance
- Single slide standard size up to 10'W x 24'H
- Bi-parting standard size up to 16'W x 24'H

# SPECIALIZED APPLICATIONS

Rytec develops customized solutions for unique customer applications. Our product specialists and knowledgeable sales representatives will help you determine which fabric, rigid rolling or sliding door solution will best address your challenge.

Contact us for more details or to discuss your unique application needs.

Robotic cell installation

Machine Guard

Standard maximum sizes shown; larger sizes may be available upon request.

# System 4® Door Controller

Extensive functionality with smart technology allows for easy installation and customization of Rytec doors and add-on accessories with the System 4® Door Controller. It allows the door to be programmed to match traffic speed and environment needs, along with being self-monitored to self-diagnose to simplify troubleshooting. An optional BTA4 (Bluetooth Access) Controller that features a compact design is also available in conjunction with the System 4® Door Controller. Allows for service, programming and updating via iPhone or Android smartphones.

## Intelligent Control
Monitors power consumption and utilizes dynamic speed curves, self-monitoring and self-diagnostic capabilities to simplify troubleshooting.

## Fast and Smooth
Speed adjustments, smooth motion and efficient operation result in less wear on components and lower maintenance costs.

## Simple and Precise
Three simple buttons enable total digital control of all door functions, parameters and positioning.

## Programmable
Program the door to match traffic speed and environment.

## Quick Connections
Low voltage color-coded terminals can be pre-wired before plugging-in for easier connections.

## Easy to Read Display
Vacuum fluorescent display with scrolling messages for full descriptions and easy-to-understand error codes and instructions.

## Absolute Encoder
Allows for precise door positioning while eliminating the need for mechanical limit switches.

## SmartSurround®
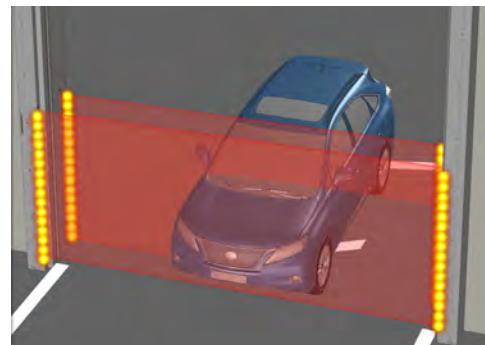ADVANCED DETECTION & ALERT SYSTEM

### Do Your Doors Include the Latest - and Smartest - Technology?

The patented Rytec SmartSurround® system features next-generation pattern recognition and traffic-sensing technology and is now available on most Spiral® door models or a retrofit installation can be done on existing doors.

It provides a visual cue and alerts traffic to door activity near the opening, while simultaneously communicating with the Rytec System 4 Door Controller. It is the latest technology advancement in Rytec high-performance doors.

▸ Detects traffic, activity and object presence
▸ Intelligent, integrated detection technology
▸ Optical light curtains + high-intensity LEDs
▸ Creates virtual 4-corner perimeter guard
▸ Ideal for high-traffic areas

## Rytec AARC®
### Activation & Access Remote Control

Management of long-term and short-term parking for residential, commercial, fleet and warehouse operations can be efficiently managed in real time via cell phone, online or cloud-based connectivity.

Bluetooth, wireless loop or remote/ encrypted key fob activation options are available. The Rytec AARC is secure with selective access via an authorized user list with easy to add and delete function.

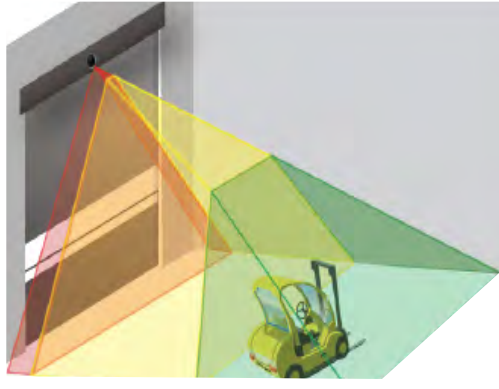## Rytec Connect®
### Remote Door Monitoring & Management

Real-time remote monitoring of Rytec high performance doors with cloud-based technology. Permits status monitoring, preventative alerts notification and live map viewing of all connected doors.

Added Features Include:
▸ Customizable inputs and outputs
▸ Multiple user access
▸ Multiple location monitoring
▸ Control door from anywhere
▸ Easy user activation and removal

## Add-on Options

▸ Airlock/Interlocks
▸ Architectural Finishes
▸ BTA4 or MS4 Remote Door Controller
▸ Covers, Hoods and Custom Awnings
▸ Fabric Weight and Color
▸ Heated and Unheated Blowers/Air Curtains
▸ High-Definition Wood Grain Finishes
▸ Humidistat Defrost
▸ Insulated Door Panels and Slats
▸ Lexan™ Vision Slats
▸ RAL and Custom Color Powder Coat Finish
▸ Screen Panels and Ventilation Slats
▸ Stainless Steel Components
▸ USDA/FDA/CFIA Compliant
▸ Voltage and Transformer
▸ Wind Rib/Panel Retention
▸ Windows and Vision Panels

## Activation Options

▸ AARC® Activation & Access Remote Control
▸ Access/Key Cards
▸ Automated Facility Integration
▸ Automatic Vehicle Identification (AVI)
▸ Barcode
▸ Biometric/Bioscan
▸ Floor Induction Loops
▸ Heated and Unheated Pull Cords
▸ Motion Sensors
▸ Push Button/Push Plate
▸ Radio Frequency Identification (RFID)
▸ Remote Open/Close/Stop Options
▸ Security System Integration
▸ SmartSurround® Detection & Alert System
▸ Touchless Wave Indicators
▸ Windshield/Vehicle Transponders
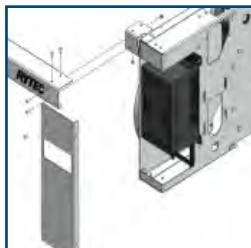▸ Wireless Remote Control

## Safety/Signaling Options

▸ Advanced³ Light Curtain Safety System
▸ Audible Alert System
▸ Break-Away™ and Self-Repair
▸ Carbon Monoxide System Integration
▸ Countdown Clock
▸ Emergency Stop Push Buttons
▸ Hazardous Location Rated Electrical Components
▸ Padded Bottom Bar
▸ Pathwatch® & Pathwatch® II Safety Light System
▸ Pneumatic or Electric Safety Edges
▸ Power Failure Indicator
▸ Presence Detectors
▸ Reflective/Thru-Beam Photo Eyes
▸ Ry-Wi® Wireless System
▸ SmartSurround® Detection & Alert System
▸ Thru-Wall Brake Release
▸ Traffic Signals and Directional Signals
▸ Warning Lights, Horns and Strobes

# SPIRAL® PRE-WIRED PACKAGE

The Rytec Spiral® Pre-Wired Premium Package provides the highest quality, factory tested and pre-assembled high-performance door available. It integrates the System 4 Controller mounted in the door's head assembly.

The remote compact BTA4 Controller mounting options include wall flush-mount or side column-mounted in certain door models.

Reduced wiring creates a cleaner look with less conduit, yet with the same technology and flexibility of the System 4.

# WHY LEXAN™ SLATS?

Rytec Lexan™ vision slats with Margard™ coating are shatter-proof and scratch-resistant polycarbonate that protects Spiral door vision panels. Increased strength to 30 times the impact strength of acrylics and 250 times that of glass.

This also protects vision slats from yellowing and hazing from the sun as well as graffiti, paint, adhesives and other materials from easily sticking to the surface.

Lexan slats also allow light transfer and visibility from both sides, with translucent bronze and grey options available for reduced light and heat transmission.

# Rytec Resources

▸ Application Surveys and Analysis
▸ Authorized Installation and Service Providers
▸ Certified Service Training
▸ Custom Engineering of Door Systems
▸ Domestic and International Logistics
▸ Energy Performance Audits
▸ National Account Programs
▸ Return-on-Investment (ROI) Analysis

**RytecParts.com** Webstore provides an easy and convenient way to purchase additional parts and accessories to maintain the quality of your Rytec door. (Account authorization is required.)

**Rytec Technical Support** team experts provide live troubleshooting assistance via phone or email. Our Document Resource Center features online manuals, documents and additional product information. Visit Rytecdoors.com for more information.

**Rytec TEC** (Technical Education Center) provides online training to eligible partners and includes courses ranging from basic to advanced and modules for both parameters and error codes. For more information, contact your regional sales manager or email TEC@rytecdoors.com.

# Committed To Your Industry

Through continuing education, professional development and trade show activity, Rytec supports and significantly contributes to a number of industries and professional associations.



# Quality. Performance. Reliability.

Rytec doors offer our customers the highest value and day in, day out performance — and are supported by the knowledge and expertise of dedicated employees, authorized dealers and trained installers across North America. With over 150,000 doors in operation — many with millions of operating cycles — our doors provide energy savings, safety and security and require only minimal maintenance.

Unlike other companies in our industry, doors aren't a side line for Rytec. They are exclusively our focus. And we continue to expand our market leadership with over 35 years of experience producing high-performance doors.

**American Owned, American Made**

 ◀ **Watch All Rytec Testimonials**

Specifications subject to change
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