Your Point of View

Commercial Security Solutions

ALUTECH
HOW WE VIEW OURSELVES

Alutech United is based on one business premise: securing windows and doors for corporations and being a pioneer in the new age of loss prevention. Our product is effective, it simply protects your business. The basis of our company is founded on growth, forming the right relationships, and instituting the concepts that work.

We are a national company that combines local presence with the power of a global approach. Alutech United has a reputation for being professional, responsive and turn-key in the industry. Alutech United has a broad base of prominent vendor ships throughout North America that integrates our shutters into their brick and mortar stores providing them with the best solutions for
OUR BUSINESS CONCEPT

We anticipate the needs of our clients security by providing a quality product at a great cost. We contribute by fulfilling their needs with a product that covers all openings and closures for commercial buildings.

Our product is easy to use and easy to install. Dedication to providing full value and satisfaction to consumers is the foundation of Alutech United.

Our ambition is to enable our clients to develop their business and to satisfy them by continuously striving for excellence in all our products and services.
OUR STRATEGY
Our strategy combines innovation along with competitive pricing, the search for operational excellence and establishing national presence.

Driven by innovation, Alutech United has expanded its focus on manufacturing turnkey building solutions. Today Alutech United has a complete range of designs and applications based on store styles, and retro-fit installations.

By coordinating these efforts, Alutech United has created a new line of business: "Magnum Secure". Magnum brings security and easy operation to the end user of the product by creating a link between the building facade and operators. To exemplify this business concept Alutech United has expanded its national coverage network in a new era of servicing your corporation.

Our product can be spec'd by designers, architects, builders, retail dealers, and business partners. Alutech United security rolling shutters features an interactive interior and exterior window covering, integrated into the existing infrastructure which at the same time maintaining its aesthetic appeal.
COMMERCIAL SECURITY SOLUTIONS

Alutech United offers complete automatic solutions to cover all openings for commercial buildings. By optimizing the easy use of a motorized product, we provide a new level of comfort for the people in the buildings and improved controls for its managers.

Introducing new features” has become the standard for Alutech United, and we do so, not by reinventing the wheel, but improving on what has been put in place. As the markets evolve, we have to consider the complexity of a diverse network of professionals. We have manufactured a product to adapt to our professional contractors. With that said. “Our shutters will be easier to service”

The Alutech United brand combines values relating to technological know-how with touch values such as simplicity, and efficiency. Alutech United has built up an industrial type infrastructure that has the potential for immediate growth.

By applying the concept of easy assembly we are able to manufacture a diversified product. With the upstream of a support network the industrial process is geared towards achieving mastery of final assembly and customization of products.
MANUFACTURE AT THE BEST COST

Our industrial production gives us the means to achieve our goal of increasing our output, and while reducing production cost it allows us to be efficient in every aspect of manufacturing.

TOP QUALITY : TOP PRODUCT

As part of our innovation strategy, we design our product to be different in strength and for aesthetics, but at the same time be able to interchange with other shutters which can help in reducing future service costs.

AWARENESS AND COMMITMENT

In the future most buildings will be built with security in mind. In anticipation of this fact, Alutech United is striving to create an efficient, economic solution that will also be service friendly. The need to secure product, has impacted many corporations over the years, therefore loss prevention is a huge focus for our business.
<table>
<thead>
<tr>
<th>Advantages</th>
<th>ALUTECH UNITED</th>
<th>Other Rolling Shutters</th>
<th>Overhead Coiling Door</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Advanced Security</td>
<td>Security</td>
<td>Security</td>
</tr>
<tr>
<td></td>
<td>Small Space installation</td>
<td>Extruded Strength</td>
<td>Early Installation Option</td>
</tr>
<tr>
<td></td>
<td>Extruded Strength</td>
<td>Building Security</td>
<td>Made from steel</td>
</tr>
<tr>
<td></td>
<td>Building Security</td>
<td>Environment Safe</td>
<td>Manufactured up to 30 feet wide</td>
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<tr>
<td></td>
<td>Environment Safe</td>
<td>Stops Smash and Grab</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stops Smash and Grab</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Integrates with existing structure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Box Housing Size</td>
<td>5.5” to 12.0”</td>
<td>7.0” to 12.0”</td>
<td>15.0” to 24.0”</td>
</tr>
<tr>
<td>Practical Applications</td>
<td>Pharmacy</td>
<td>Pharmacy</td>
<td>Loading dock</td>
</tr>
<tr>
<td></td>
<td>Kiosks</td>
<td>Kiosks</td>
<td>Freight doors</td>
</tr>
<tr>
<td></td>
<td>Commercial Storefronts</td>
<td>Commercial Storefronts</td>
<td>Large vehicle doors</td>
</tr>
<tr>
<td></td>
<td>Counters</td>
<td>Counters</td>
<td>Warehouse doors</td>
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<tr>
<td></td>
<td>Residential Security Malls</td>
<td>Residential Security Malls</td>
<td>Power plants</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Distribution centers.</td>
</tr>
<tr>
<td>Pricing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initial Cost</td>
<td>$$</td>
<td>$$$</td>
<td>$$$$$</td>
</tr>
<tr>
<td>Installation Cost</td>
<td>$$</td>
<td>$$$</td>
<td>$$$$$</td>
</tr>
<tr>
<td>Operation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Simple manual Operation</td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Push Up/Pull Down</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Removable Crank/Gear</td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Motorized</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>110V-60Hz UL Motor</td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>4 Hour backup System</td>
<td>✓</td>
<td>✗</td>
<td>✗</td>
</tr>
</tbody>
</table>

**PRODUCT COMPARISON CHART**

<table>
<thead>
<tr>
<th>Warranty</th>
<th>MOTOR</th>
<th>5 Years</th>
<th>1 Year</th>
<th>2 Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARTS</td>
<td>2 Years</td>
<td>1 Year</td>
<td>2 Years</td>
<td></td>
</tr>
<tr>
<td>LABOR</td>
<td>1 Year</td>
<td>NONE</td>
<td>NONE</td>
<td></td>
</tr>
</tbody>
</table>
NEW STORE PLANS

PRODUCTION TIME

Alutech United will automatically assign a production timeline date based on the receipt of the purchase order. General contractors will have the ability to log into our online system and track the progress of a store.

SHIPPING AND PACKAGING

Our Packaging process is considered one of the most important steps in post production. Shutters are secured in a molded foam packaging system that provides a higher level of protection to the product. Our packaging solution helps to control productivity by reducing shipping damages.

INSTALLATION

Installation will be coordinated with the G.C to ensure that the install is completed in a timely manner.

EMERGENCY STORE: HOT STORE

In case an emergency store is needed. Alutech United will be able to ship out a fully loaded and warehouse tested store within 24 hrs.
Alutech United is in the process of testing our rolling shutters to be eligible for ARL's Listing, Labeling and Follow-up service program.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Client Name, Mailing Address, City, State, Zip and Phone</th>
<th>Mfr’s Name, Physical Address, City, State and Zip</th>
</tr>
</thead>
</table>
| Alutech, United, Inc.  
117 Dixon Street  
Selbyville, DE 19975  
302-436-6005 | Same as mailing address |

<table>
<thead>
<tr>
<th>Inspection Host</th>
<th>ARL Inspector</th>
<th>Time In</th>
<th>Time Out</th>
<th>Manufacturing Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aaron Woods</td>
<td>Greg Woczyinski</td>
<td>10:05 am</td>
<td>11:05 am</td>
<td>7:00am to 5:00 pm</td>
</tr>
<tr>
<td>FUS Code</td>
<td>18788-17-1</td>
<td>Inspection Date</td>
<td>2/24/17</td>
<td></td>
</tr>
</tbody>
</table>

Products Currently Listed as Specified in the ARL Listed Products Directory

Shutter Assembly:

AUI 8/2 b S, P or O 8/2 b M, MO, MR, MRO, S, G or GS 8/2 b 000, 530, 550 or 680 (L/N 50163)
MOTOR SPECS
110v-60hZ UL APPROVED

Operators
Type 6DMI Override
(120V - 60Hz) AC

-Diameter 60mm (2.5 in.)
-Progressive limit setting
-8 feet of motor cable
-UL Recognized
-CSA Approved
-IP 44 Rated

Approximate shipping weight = 14 lb.

<table>
<thead>
<tr>
<th>Reference</th>
<th>Torque (in. lb./Nm)</th>
<th>Speed (rpm)</th>
<th>Watts</th>
<th>Amps</th>
<th>Limit Switch (max. turns)</th>
<th>Run Time (minutes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001042</td>
<td>704</td>
<td>80</td>
<td>14</td>
<td>390</td>
<td>28</td>
<td>5</td>
</tr>
</tbody>
</table>

Operator Control Options

Toggle Switch

Key Switch
SPECIFICATIONS

Output Power:
Single phase 115 volts, 60Hz (+5%)
3.5 amps (400 watts) peak intermittent load
1.75 amps (200 watts) maximum continuous load, limited to battery capacity
Built in 8 watt lamp automatic low battery voltage shutdown
Battery charging from 115 +10% VAC 60 +/-5Hz power, UL APPROVED CHARGER

Less than 24 hours to full capacity, with charging condition indicator
The following table represents the approximate load duration at various load currents, which can be supplied with fully charged batteries, either with or without the Auxiliary Power Supply:

T550 Power Supply, Approximate operating times in minutes for various loads:

- no load - 360 minutes
- .65 amps (75 watts) - 90 minutes
- .87 amps (100 watts) - 65 minutes
- 1.75 amps (200 watts) - 25 minutes
- 3.5 amps (400 watts) - 4 minutes

Size and Weight: T400 Power Supply, 4.375” W x 16.25” L x 14.5” H, 21 pounds
Planning ahead expedites the time we spend for services, so we built a product that allows us to replace the most common components that can go wrong. Eliminating the complexity involved in changing the motors for traditional shutter systems allows our service technicians to complete a motor change in less than half the time.

Over-ride motor option

Motorized shutters can also come with Manual Gear Override options. The motor with gear override option allows the homeowner to operate the shutter even in power failure situations. The Manual Gear is almost exactly like the Gear operated shutter and can either exit the shutter housing through the back into the home or out the front or bottom of the housing cover to be operated from the exterior of the residence.
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Lock Options

Commercial Lock

Basic Lock

Slide Lock
The **MAGNUM** slat profile is the latest in security and storm shutter profiles. Due to its small housing sizes and high ratings, the slat has gained much popularity for security and storm prone areas. Its unique "END RETENTION" guiderail feature allows this shutter to be used with no vertical storm bars and have the slat itself locked in the guiderails with retention bolts.

**Retention guiderails**

**Patented slat locker with screw**

**3 styles of slat available**
- Solid slats – no light
- House logo perforation
  Fabric look – IBC rated up to 14.5 ft
- 4” Oblong hole punching
  Commercial look
  You can mix and match the pattern

**7 COLOR OPTIONS + CUSTOM COLOR**

**Material**
- extruded aluminum
  Powder coated finish
  1.30 lbs.

**Weight**
- per sq. ft.
  5.38

**Slats**
- per sq. ft.

**Colors**
- white, beige, cream, gray, brown, silver, 18 ft. wide

**Max. Width**
- 19 ft. tall

**Max. Height**
- 70mm

**Min. Roll Diameter**
- 57 mm (2-1/4”)

**12’ into 8” BOX**

- 5.5” BOX
  - 50”
- 6.5” BOX
  - 84”
- 7.0” BOX
  - 112”
- 8.0” BOX
  - 150”

**Seamless integration in your construction**

**Plans Available**

**KEY FEATURES**

- **Mate**
  - rial extruded aluminum
- **Powder coat**
- **Weight**
  - 1.30 lbs.
  - per sq. ft.
- **Slats**
  - per sq. ft.
- **Colors**
  - white, beige, cream, gray, brown, silver
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**3-3/4” Spacing between punching**
Can be custom spaced
ARCHITECTURAL SPECS

Architectural Specifications
10712 Exterior Overhead Coiling Shutters
Part 1 - General Section: includes exterior overhead coiling storm and security shutters.

1.1 Submittals
A. Product Data: Submit manufacturer’s complete product data for all specified components, including specifications, finish information and installation instructions.
B. Shop Drawings: Submit shop drawings, showing layouts, sizes, types, product materials, components and accessories, fabrication data, operation and wiring diagrams for motor driven operators, finishes, rough-in dimensions, anchorage and installation requirements and details.
C. Samples: manufacturer’s standard array of colors for selection by Architect.
D. Quality Assurance Submittals:
   - Certificates: Manufacturer’s certification criteria that meet design specified requirements.
   - Operating and Maintenance Instructions: Submit detailed maintenance requirements and operating instructions.
   - Warranty: Submit specified warranty documents.

1.2 Quality Assurance
A. Installer Qualifications: Use only manufacturer’s factory trained installers or qualified licensed installers approved by shutter manufacturer.
B. Regulatory Requirements:
   - Comply with all local and governing code requirements.
   - Unless otherwise specified, fabricate to withstand wind loads of same rating as component and cladding of walls.

1.3 Delivery, Storage, Handling

Deliver components in manufacturer’s original, unopened, and undamaged containers with identification labels intact.

1.4 Project Conditions
Field Measurements: Verify actual measurements of openings by field measurements before fabrication. Show recorded measurements on shop drawings.

1.5 Warranty
Manufacturer’s Warranty.

1.6 ARL Listed- UL approval
Shutters Assemblies File 50163

Part 2- Products
Manufacturer
Alutech United, Inc.
117 Dixon Street
Selbyville, DE 19975
800-233-1144 FAX (302) 436-5100

Shutter Components:
3. Operation: (Manual) (Motorized)
7. Storm Bar Assembly: Aluminum extrusion. Style and quantity per manufacturer’s design to comply with certification.