

Control Your Cargo and Your Profit from the First Moment to the Last Mile

E-commerce is having a dramatic impact on shippers, and Kinedyne is delivering new technologies that reduce loss, improve efficiency and speed up delivery times.



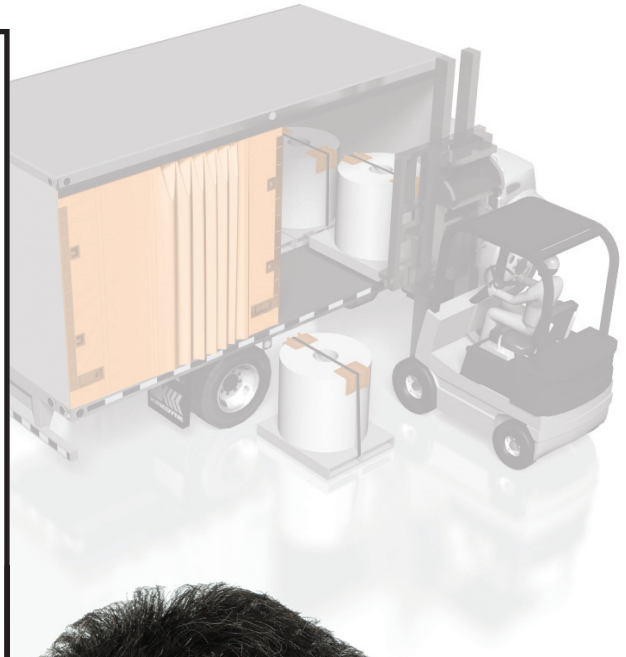
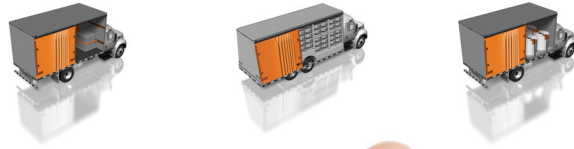
Better Cargo Securement



Greater Cargo Capacity



Faster Cargo Access



KINEDYNE
The Cargo Control People!

E-commerce Is Creating New Cargo Challenges. Kinedyne Is Delivering New Cargo Solutions.

Kinedyne presents new start-to-finish solutions that address increasing pressures on transportation providers to speed up the movement of cargo to factories, distribution hubs and final destinations.

The impact of online consumer and commercial downstream purchasing activities is now traveling upstream

Individuals and companies along the supply chain continuum are beginning to make logistics decisions at the moment an online sale is made, and these decisions often travel all the way back to a product's constituent origins. Transporting raw materials to manufacturing/processing facilities, finished goods on to warehouses and finally to their ultimate destination is becoming more complex and interdependent every day.

Intermodal players include marine carriers, air carriers, rail carriers, truckload carriers, less-than-truckload (LTL) carriers and a diverse array of final-mile delivery vehicles. In the beginning, e-commerce had the greatest disruptive effect on end-of-the-line, also known as "final-mile" or "last-mile" delivery activities, but now companies throughout the supply chain are looking for ways to minimize transportation costs for cargo as it moves throughout multiple transportation modes.

Kinedyne®, a company long associated with cargo control for commercial vehicles of all classes, is helping transportation professionals respond to their changing environment by engineering tools that provide better cargo securement, greater cargo capacity and faster cargo access.

Kinedyne is developing new technologies that help supply chains control cargo as it transitions from its original state (as a raw commodity) to a high-density state (in shipping and in hubs) to a low-density state (as it makes its way through the last mile).

The cost of the last mile is driving everything else

Most experts agree that the last leg of the journey for cargo of any kind is the most expensive, accounting for between one-quarter and one-third of the total cost to move goods. In today's dynamic transportation environment, everyone involved is searching for ways to minimize costs and maximize efficiency in the last mile.

Making low-density and low-volume deliveries to a large number of different locations on the same day, the next day or any day makes running a last-mile delivery operation expensive. Complicating matters further is that the goods being delivered are often not of a uniform size and may have to be off-loaded anywhere from a dock to a driveway.

Consumers, once leery of buying larger items like washers and dryers online, are now ordering them in droves. In the meantime, businesses are making online purchases and scheduling deliveries for every conceivable type of product, from office furniture to bulk commodities to industrial machines.

Whether it's immediate gratification for consumers, or the need for just-in-time delivery for business, the buyers are now driving delivery schedules, and they are driving the way delivery systems and particularly delivery vehicles are being configured.

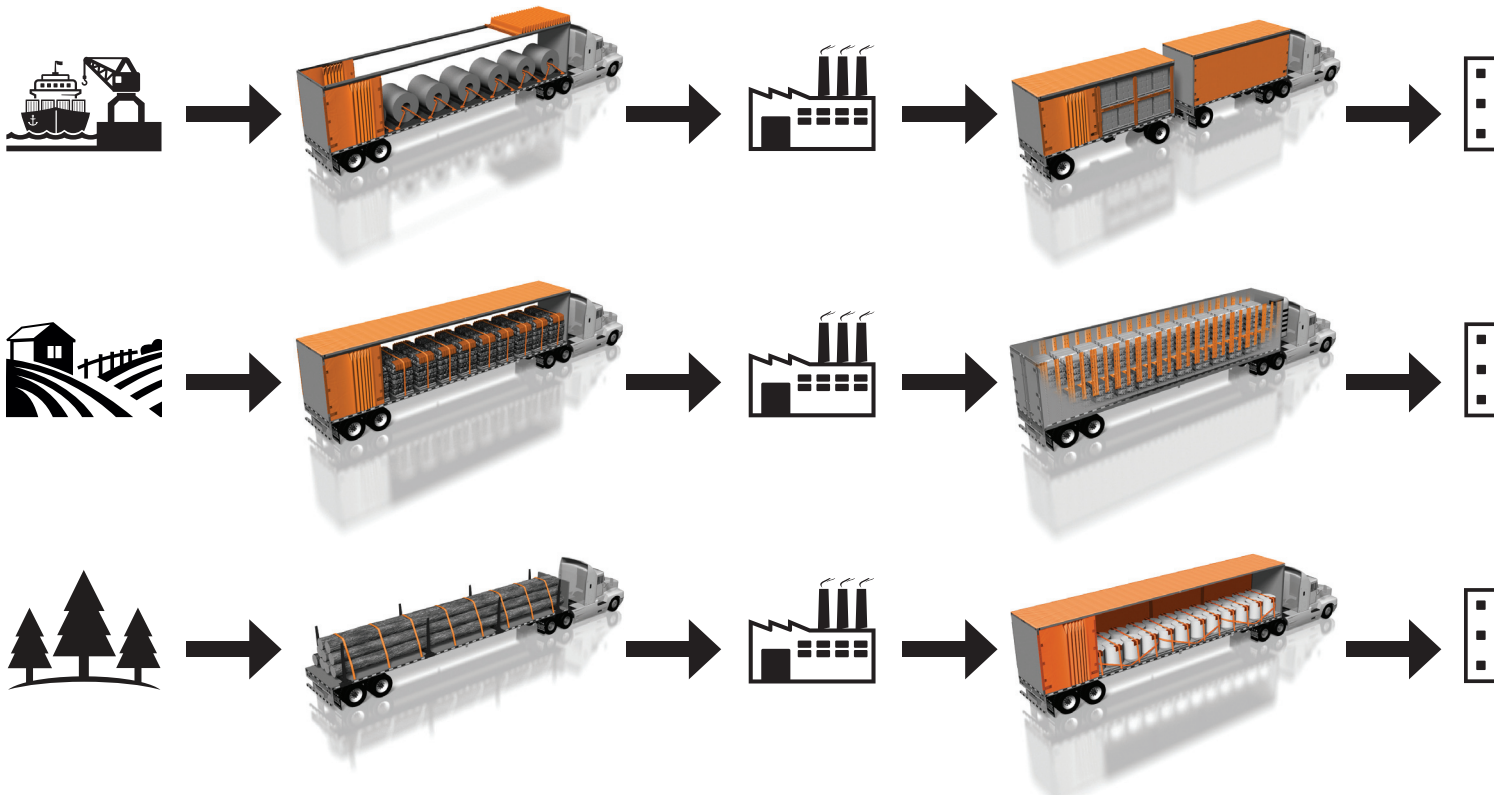
Taking 50-foot Class 8 trailers or pups into residential areas or into dense urban cores is often impractical if not impossible, and there may not be any docking facility. The emphasis is on selecting the best vehicle platforms to handle the cargo, navigate the environment and configuring vehicles for maximum flexibility and efficiency.



Better Cargo Securement

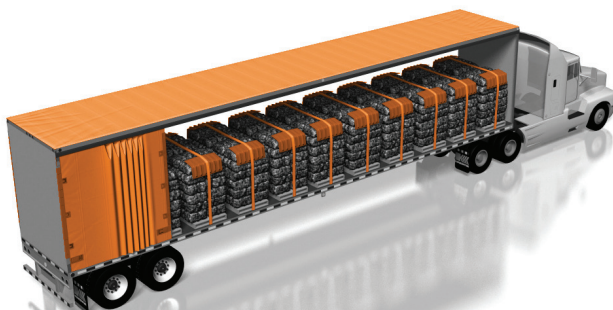


Greater Cargo Capacity



Better Cargo Securement:
The industry's most advanced and widest array of cargo securement products for virtually any truck and trailer application.

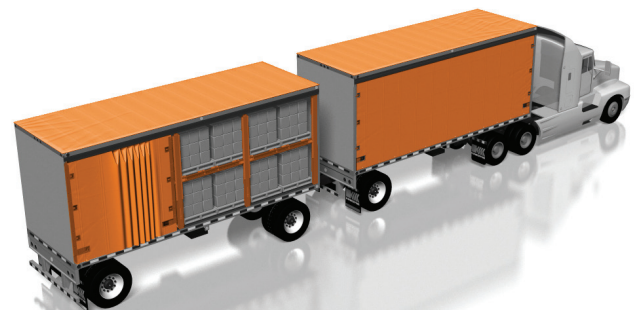
- Flatbed Solutions
- Interior Trailer Solutions
- Webbing Solutions
- Hardware Solutions



Since 1968 Kinedyne has been setting the standard for load securement technology development.

Greater Cargo Capacity:
High-density cargo load-ing solutions that maximize space and asset utilization for dry vans, reefers and curtain-side trailers.

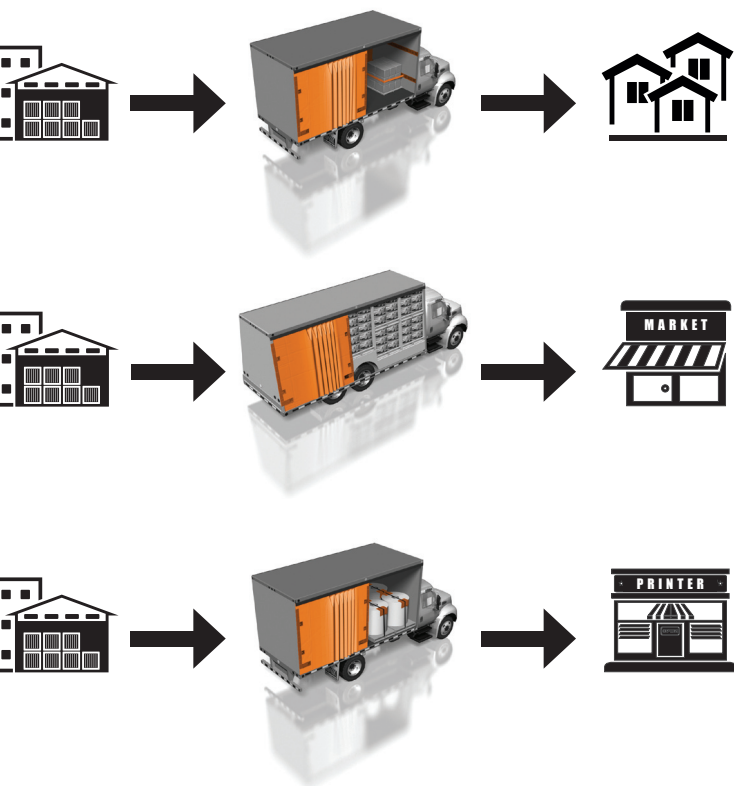
- Double-Decking Solutions
- Cargo Storage Solutions
- Space Utilization Solutions
- Load Optimization Solutions



Kinedyne introduces the industry's first load-rated curtain-side solution with double-decking capabilities.



Faster Cargo Access



Faster Cargo Access:
Blazing-fast cargo access technologies that mean more time, more stops, more cargo and more profit up to the last mile.

- 30-Second Curtain-Side Solutions
- 30-Second Retracting-Top Solutions
- Traditional Curtain-Side Solutions
- Last-Mile Access Solutions



Kinedyne's advanced cargo access solutions can be OE spec'ed on virtually any truck body.

Specifying for Last-Mile Success

- 1. Maximize Productivity.** Vehicles need to be designed to maximize asset utility so that the vehicle, those operating it and those making the deliveries are all functioning at an optimum level.
- 2. Enhance Speed.** Saving time by utilizing cargo access equipment that operates faster, enabling more stops within a given shift.
- 3. Reduce Weight for Greater Fuel Savings.** Choosing vehicle materials and body styles that minimize weight, and create more nimble, fuel-efficient vehicles that can use smaller engines or electric power.
- 4. Expand Cargo Capacity.** Configuring vehicles' cargo areas and access points while considering the limitations of rear-only access and the advantages of two-side and all-side access to cargo.
- 5. Extend Flexibility.** Vehicles should have cargo-handling capabilities and cargo control features that can accommodate the delivery of a wide variety of goods to an ever-increasing variety of locations.
- 6. Increase Ergonomics.** Making doors and other cargo access points easier to reach, open and close, particularly in light of driver shortages and aging operators moving more swiftly due to other enhancements.
- 7. Reduce Downtime.** Doors in general and roll-up doors in particular are prone to damage and leaking, and vehicles that are under a greater strain due to increased use can suffer more breakdowns.



Don't Just Manage the Last Mile – Master It!

Kinedyne's cargo access solutions put you and your delivery professionals in control of your cargo and the speed at which you convey it.

Kinedyne's Kin-Slider™ 30-second curtain-side vehicle system has changed the equation for last-mile delivery. The Kin-Slider provides a technological advantage, resulting in speed and efficiency for fleets with chassis-mounted truck bodies using rear- or side-mounted roll-up doors or traditional curtain-walled vehicles. The Kin-Slider can be added to virtually any truck body when ordering from an OEM.

The Kin-Slider opens and closes at both ends of the truck body or trailer. Cargo can be fully accessed throughout the length of the vehicle and the curtain closed again within just 30 seconds. Side admission alone increases cargo access between 300 and 1,000 percent on some vehicles, because it enables delivery personnel to retrieve cargo from a much greater area and at a more shallow depth.

With rear-only cargo access, sequenced cargos have to be loaded with the last delivery placed in the virtually inaccessible forward position. With two-side and all-side cargo access, operators can flex to unforeseen circumstances that require a change in sequential delivery schedules.

Two-side and all-side cargo access also gives delivery vehicles the greater flexibility and latitude they need when making deliveries in dense urban cores, on neighborhood cul-de-sacs and everything in between. Greater cargo access also means that delivery personnel can make loading and unloading decisions that are safer, more convenient and less physically stressful.

The Kin-Slider system has a unique full-length, vertical, multi-latch closure system with an adjacent, all-in-one latch-release mechanism located both forward and rear. Positioned within easy reach of a person standing next to the vehicle, the latch-release is easy to operate.

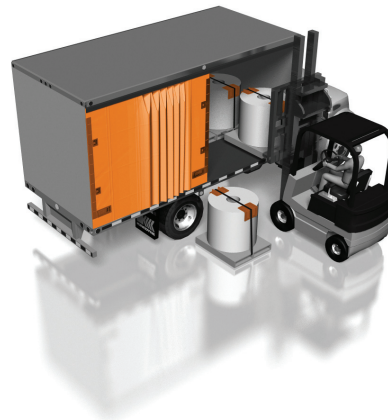
With the Kin-Slider system, a delivery operation can start seeing results on day one. Not only is it far faster to access all cargo within the vehicle, but with its effortless operation and ergonomic design, drivers no longer have to strain and reach to open and close roll-up doors.



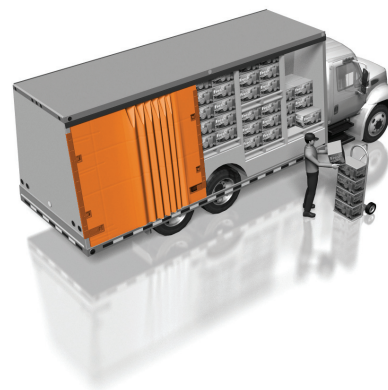
The unique Kin-Slider curtain-side solution opens and closes at both ends of a truck body or trailer, and cargo can be fully accessed throughout the length of the vehicle and the curtain closed again within just 30 seconds.



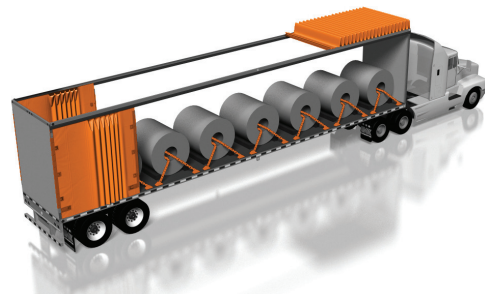
Consumers are ordering furniture and home appliances online, and two-side or all-side cargo access gives delivery professionals greater flexibility in dense urban cores or residential neighborhoods.



Businesses making online purchases and coordinating deliveries often rely on just-in-time scheduling to maximize their overall efficiency and to minimize their exposure to the cost of inventorying materials.



With a Kin-Slider system, a beverage truck can save up to 1,000 pounds and gain more than 100 cubic feet of space by replacing its roll-up doors, enough for two extra pallets, a 15 percent increase in payload capacity.



Kinedyne's 30-Second Curtain-Side Advantages

- Shorter opening and closing times mean faster cargo access
- Broader cargo accessibility via retractable top and curtain sides
- Speeds up loading and unloading intervals at every stop
- Quickens deliveries at factories, hubs and satellite locations

Kinedyne's Engineered Curtain-Side Features



Weather-Tight
Pelmet Integrated
into Top Rail



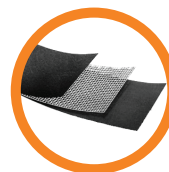
Sophisticated Digital
Printing Resolutions
of 360 DPI



Sonically Welded PVC-
Saturated Polyester
Reinforcement Straps



Penta and Trike Rollers
Assure Smooth
Curtain Operation



Tough, Flame-Retardant,
PVC-Laminated
Polyester Substrate



Anti-Graffiti Coating
Resists UV Rays and
Fungal Growth

Curtain-Side Solutions Fit Multiple Vehicle Formats

48'-53'



Drop-deck



Pup



Vehicle Carrier



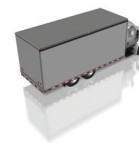
Box Truck



Glass Truck



Beverage



For more information please contact your Account Executive or our Customer Service Team:

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10001856 Rev. A 9/2017