



**"Rollerbed Systems' capabilities will meet or exceed your requirements."**

## **Automated Vehicle Loading Systems**



### **Slipchain Systems**

The Rollerbed Systems Slipchain is a vehicle mounted conveyor system, installed in a truck or trailer. The system is typically custom installed flush with the floor of the trailer to maintain continuity with standard loading docks. The conveyor drive unit is mounted in front of the bulkhead, providing a direct drive. The Rollerbed Systems Slipchain conveyor has substantially fewer moving parts and fewer directional changes of the drive chain than other systems. Our robust design delivers system reliability and significantly reduces maintenance.



Conveyor layout within a vehicle



Front Bulkhead mounted drive unit

In high volume loading applications, vehicles equipped with a Rollerbed Systems Slipchain, and an automated dock-mounted Slipchain system, a typical 53' trailer can be loaded or unloaded in approximately 90 seconds. Even without an automated dock-mounted conveyor, loading/unloading times are dramatically reduced by using The Rollerbed Systems Slipchain. This system is an ideal application for "Just In Time" – (JIT) production line operations. Automated vehicle loading using Rollerbed Systems Slipchain provide daily cost savings in both manpower and equipment.

Maximize your efficiency and productivity with a Rollerbed Systems Slipchain.

**Our products are Manufactured, Distributed, Serviced and Warranted by  
Rollerbed Systems, LLC. West Wyoming, PA - USA.**

## Features and Benefits

- Can load 60,000 lbs of palletized goods into a vehicle in about 90 seconds, once in the vehicle your load sits safely on the trailer floor.
- Twin lanes of 3/4" triplex for extra reliability, strength and pulling power.
- 20% extra chain width over similar systems, making it less likely to cause damage to plastic or wooden pallets, or to the load.
- 50% fewer moving parts than similar in vehicle conveyor systems.
- High level, bulkhead mounted drive unit, installation is simpler and does not require vehicle chassis modification.
- Made and certified to ISO 9001 standards.
- Can be used in conjunction with 4, 5 or 6 rows of pneumatically raised rollers to suit different pallet sizes and configuration.
- Heavy duty 6105-T5 aluminum extruded main channels.
- Robust 5 Hp Motor as standard.
- Electronic motor starter and inverter for soft start and stop, with variable speed control.
- Controls and power cables located in corrosion resistant Stainless Steel boxes for longer life and system reliability.
- Fully enclosed drive unit preventing the ingress of road dirt and debris eliminating corrosion and maintenance problems.
- Labyrinth chain track construction to protect the lifting airbag from damage from pallet and load debris or shards.
- The Slipchain system comes with a 2-year warranty.

Rollerbed Systems, LLC maintains a comprehensive parts inventory. In most cases, parts can be shipped within 24 hours.

The Rollerbed Systems' Slipchain system can load a 53' trailer in about 90 seconds allowing the vehicle to return to it's intended purpose of maximizing the operation of moving products. Our Slipchain system allows our customers a much better utilization of their equipment, reduces their manpower needs and is less likely to cause handling type of damage to your customer's products. Our system reduces your manpower needs and reduces damage to equipment and products by eliminating fork lift intervention.



Our system can be controlled by a hand held pendant, allowing index operation for loading or unloading pallets, or can be fully automated, using PLC controls to operate with an interfacing conveyor. The trailer can become an integral part of your automated product handling and management system.

Our focus at Rollerbed Systems, LLC is to offer quality products and systems that are reliable and of the highest standards; we do this by providing our customers with unparalleled

Engineering, Manufacturing and Service.



or unloading pallets, or can be



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