With the least of vehicle, Carry the most of cargos

SPEED FLOOR

Company Profile

SPEED



SpeedFloor drives innovation in trucking.

SpeedFloor focuses on essential innovations. Trucks should be able to move cargo easily, and only cargo should enter the loading area. SpeedFloor rotates the floor of the truck's cargo space, transforming the labor-intensive loading and unloading process into a technology-driven approach. Designed to make it easier to handle cargo, SpeedFloor optimizes the loading area to keep only cargo inside.



| COMPANY Overview | | COMPANY History |
|-------------------------|---|--|
| Company Name | SpeedFloor Co., Ltd. | 2021 Nov Established SpeedFloor Corporation |
| CEO | Hyunjin Hong, Sukmin Hong | 2023 Nov Opened in-house production facility |
| Established | November 4, 2021 | 2023 Dec Began sales to last-mile delivery companies (major Korean logistics corporations: Lotte, Kurly etc.) |
| Employees | 15+ | |
| Registration No. | 103-87-02332 | 2024 Apr Secured SEED fulluling (\$150K) |
| Contact | +82 10-3808-2279 2024 Apr Designated and supported as a robotics startup by the Korean government (\$300K) 2024 Sep Received R&D investment from the Korean government (\$350K) | |
| | | 2024 Sep Received R&D investment from the Korean government (\$350K) |



Growth of e-commerce increases loading and unloading burden on logistics workers.





Meanwhile, in the military,



Loading and unloading of military cargo relies on soldier labor.



Caution

Forklift

effect



efficiency through electrification



Automatically, horizontally

A new device that installs a conveyor belt at the bottom of the cargo space, allowing cargo placed on the belt to be pushed and pulled for loading and unloading.

Partition Wall

Supports loaded cargo to prevent collapse and divides space for efficient loading and unloading.

1 SREED FLOOR I

SARED FLOOR I

Conveyor Belt

Customized thickness and materials based on vehicle purpose, making it lightweight and durable.



The motor's rotational force is transmitted through a chain to move the conveyor belt horizontally.





Moves the conveyor belt horizontally with the power of a strong chain.

ABOUT US SPEED FLOOR Business information Labor Load Improvement Effects of SpeedFloor





Cargo Space for Cargo Only

Loading/Unloading Time Comparison (1 Cycle with 300 Boxes)

SpeedFloor testing shows a reduction in total lead time by 70%—from 87 minutes with traditional methods to 26 minutes with SpeedFloor.

Traditional Method

87min.

· SpeedFloor Loading/Unloading



70% lead time reduction



Traditional Method



Traditional Method



Delivery workers using manual loading/unloading methods are exposed to exhaustion, joint injuries, and other industrial accidents from repeatedly entering and exiting the cargo compartment.

SpeedFloor Method



Loading/unloading work from outside

Workers can operate from outside the cargo space, moving items with the push of a button, allowing for faster and safer deliveries without the need to enter the compartment.

Entering the narrow cargo space



Installation Method for SpeedFloor

SpeedFloor installs a conveyor at the bottom of the cargo compartment for seamless and easy installation.

Simple and Non-Disruptive Installation

SpeedFloor is installed by cutting the existing cargo floor, inserting the product, and securing it in place. Its simple design allows for easy installation without vehicle downtime.



In-House Manufacturing and Installation

SpeedFloor is quickly manufactured from production to installation in our own factory, allowing for same-day intake and dispatch.





Product specifications

Speed Floor offers custom manufacturing for all types of cargo vehicles from 1 Ton to 25 Ton.



SpeedFloor holds several certifications and patents, backed by advanced technology.





8 Registered Patents, 9 Pending Applications







Supplied to Incheon Metropolitan City Government's Green Technology Certification



Supply Contract with the Korean Army for SpeedFloor

