



# SHIFTER FLEX

## SAFE, QUICK AND EFFICIENT TRANSPORT OF HEAVY LOADS

A product of AVT Europe

Shifter  
Flex



# Shifter Flex from AVT Europe

## Pioneer in heavy transport

At AVT Europe NV, we noticed the need for efficient **transport solutions** that adapt to different environments in plants and factories. That's why we went looking for a solution and came up with innovative new products, called **Shifter**!

Our Shifter transport solutions are flexible, easy to use and precise. **Shifter Flex**, **Shifter Mono**, **Shifter Multi Flex**

and **Shifter Trailer** all have their own special advantages.

'**Shifter Flex**' consists of an efficient and innovative system, **customised** to match all the expectations of your project.

So how does the **Shifter Flex** work? Well, this flagship system is the pinnacle of efficient and carefree transport. You can move up to 100 tons to an accuracy

of 10 mm. Moreover, you reduce the floor pressure and the surface is hardly loaded. In short: your go-to partner for loading any heavy object.

**Shifter Flex is the new eco-friendly way of transporting.**



**MOVING HEAVY PARTS, TOOLS, PRODUCTS - AND MORE - FROM A TO B IN A SAFE AND FAST WAY!**

## A Shifter suitable for each industry



Shown here are just some of the Shifter Flex's possible applications. Through development of **custom-made variations** of the Shifter products, we're able to assist **every sector** in need of a solution.





### Safety feature

**Wheels are unreachable thanks to the protection covers**



## 01 Precision maneuvering

Precise movements ensure flexibility and accuracy. The Shifter Flex can move in all possible directions.

### Safety feature

**Possibility to disconnect and lock the power connections**



## 02 Minimal friction

Due to our unique wheel setup, the floor pressure will be reduced. The result is top-quality carefree transport.



### Safety feature

**E-stop and lighting on each corner**

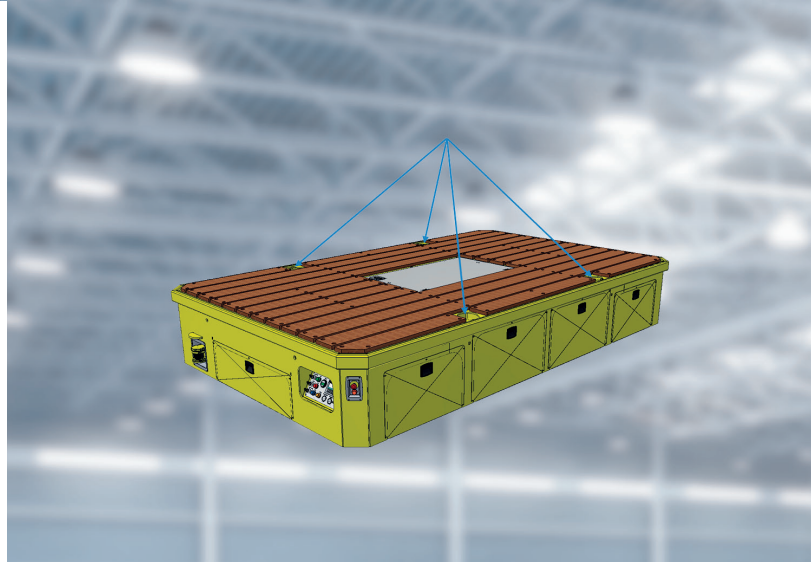


## 03 Minimal maintenance

All sides/compartments of Shifter are easy to reach. This makes our system easy to maintain. No need for overhead cranes or other tools. Moreover, the system is standard equipped with a towing function.

### Safety feature

**Integrated lifting points**



## 04 Easy to use in hard to reach areas

Shifter Flex comes in handy in areas where there are no overhead cranes available or where the open space is limited. Due to the possibility to move omnidirectional, this is a very FLEXible system.





# Driving methods



## Included in every Shifter Flex



Battery driven



Pneumatics



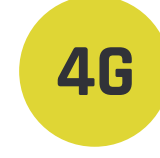
Dual drive



Omnidirectional



Remote controlled

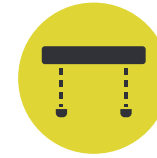


4G connected

## Optional for your custom Shifter Flex



Pneumatic suspension



Lifting with suspension



Movable, external table



Swivel wheel



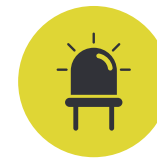
Multi wheel



Rail wheel



ATEX proof package



Led indication



Safety scanner



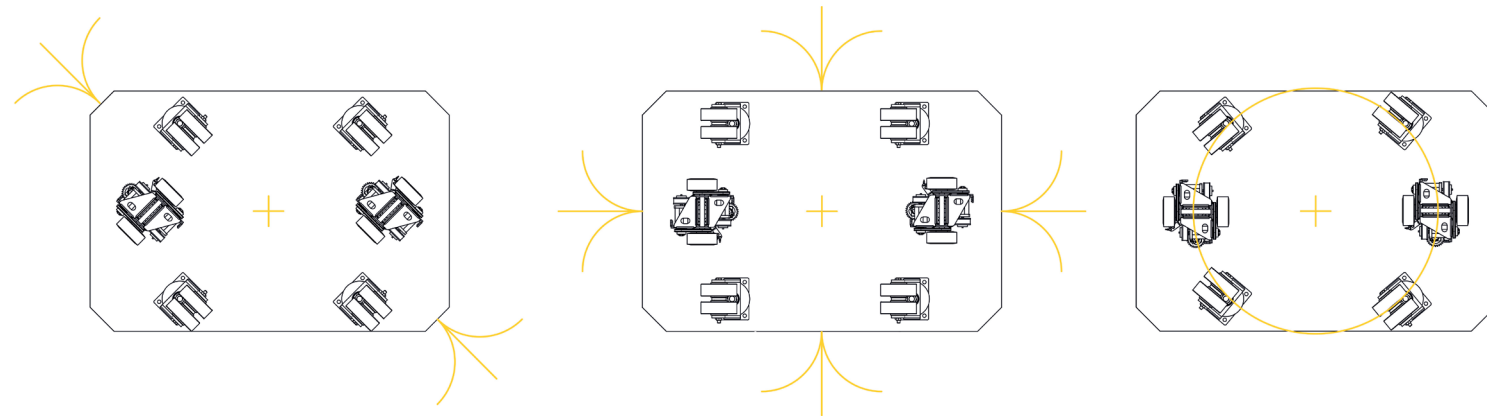
Safety bumper



Slope



High speed package



## Driving direction

The Shifter Flex is able to move in reverse, forward and in curves (left and right). The lateral movements you'd expect.

Furthermore, it can move in every possible direction, while maintaining a transversal fashion. This signature 'crab' movement means that the Shifter Flex can move diagonally in every direction.

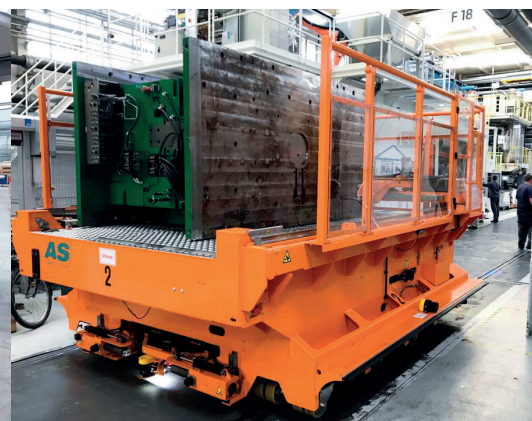
## Rotation direction

The Shifter Flex rotates around its own axis. This makes it easy to maneuver because of the Flex' center point being located in the middle of its frame.





# More custom made solutions from AVT



## Transport solutions



## Robotics and automation

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