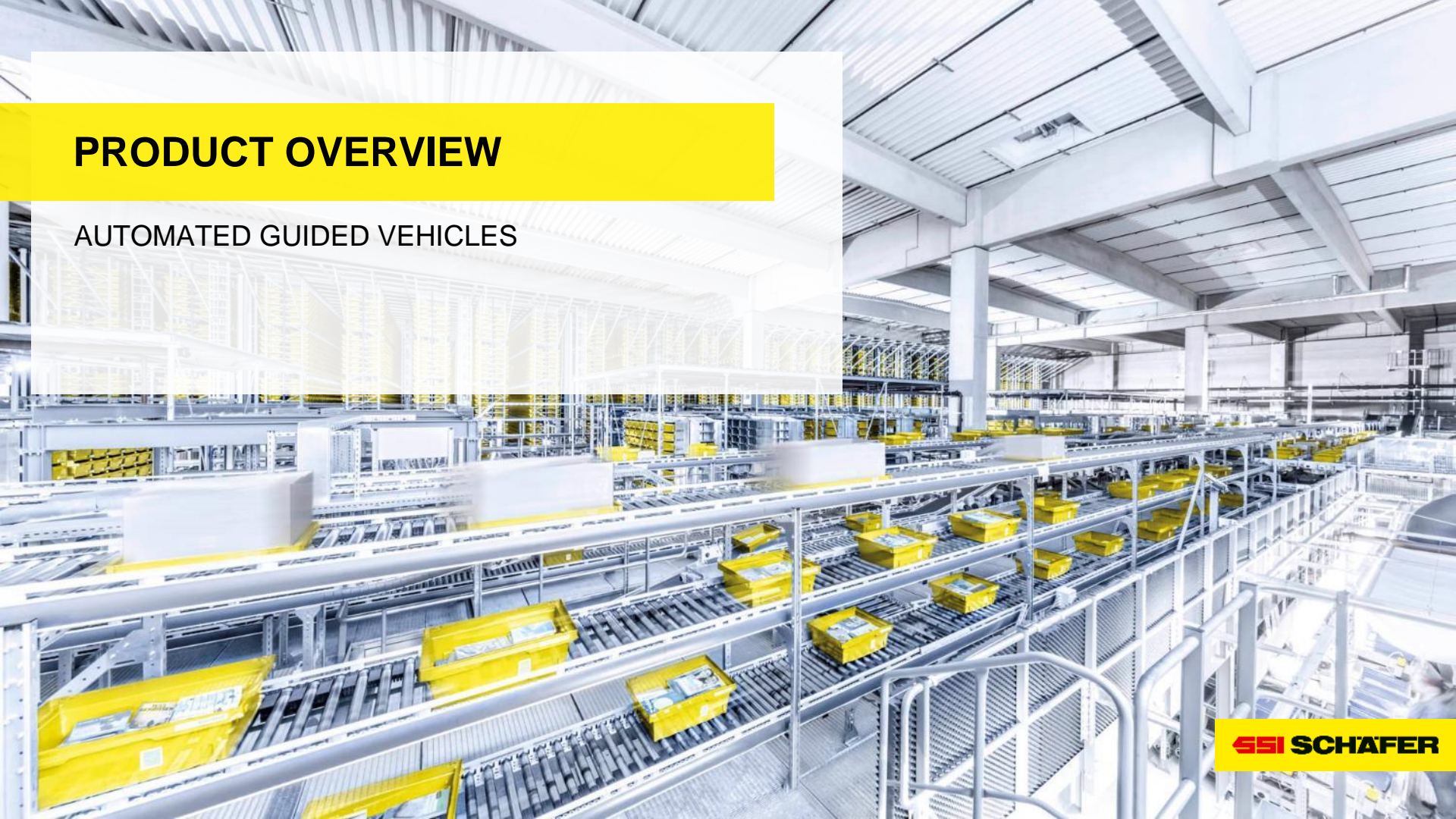


# PRODUCT OVERVIEW

## AUTOMATED GUIDED VEHICLES



# STANDARD PRODUCTS



## SALLY Basic

**Direct human-machine interaction for agile Production.**

With SALLY you are closing a gap for in-house transport chain compliance Industry 4.0. SALLY is a compact, manoeuvrable vehicle designed for lighter load up to 100 kg/120 lbs, allowing direct and safe man-machine interaction. Customized load handling devices allow almost unlimited application possibilities. SALLY is designed to meet industry standards.

- **Dimension**                    **720 (l) x 580 (w) x 550 (h) mm**  
**28,3 (l) x 22,8 (w) x 21,7 (h) in**
- **Payload**                        max. 100 kg (220 lbs)
- **Speed**                            max. 1,6 m/s (5,25 f/s)
- **Navigation**                    contour, magnets, hybrid
- **Power Supply**                automatic charging, inductive or charging contacts
- **Battery**                         LFP (48V/40Ah)

# STANDARD PRODUCTS



## SALLY Structures

### Standard superstructures

The SALLY can be equipped with simple standard superstructures (platforms) as well as with standard conveyors. Customer-specific load handling devices are also possible on request.

The following variants are available:

- Passive loading area for boxes 400 x 600 mm
- Body active / 1 roller conveyor for 1 box 400 x 600 mm
- Body active / 2 roller conveyors for 2 boxes 400 x 600 mm

The superstructures can be mounted lengthwise or crosswise on the SALLY.

# STANDARD PRODUCTS

## OSCAR spin 180



The lift deck AGV with spin.

The 260 mm level OSCAR spin 180 is ideal to drive under a load bearer or rolling carriage. His differential power unit allows very narrow curve radii and to turning on the stand. He reduces the space required for cornering and turning radius. Components suited for industry guarantee longevity and robustness.

- **Dimension** 1631 (l) x 560 (w) x 260 (h) mm  
64,2 (l) x 22,0 (w) x 10,2 (h) in
- Payload max. 1,0 t (2,200 lbs)
- Lift height 80 mm (4,7 in)
- Speed max. 1,6 m/s (5,25 f/s)
- Navigation contour, magnet, hybrid
- Safety Safety Laser Scanners front and rear
- Power supply Automatic opportunity charging
- Battery LFP (48V/60Ah)

# STANDARD PRODUCTS



## OSCAR spin 360

The lift deck AGV with spin.

The 295 mm level OSCAR spin 360 is ideal to drive under a load bearer or rolling carriage. His differential power unit allows very narrow curve radii and to turning on the stand. He reduces the space required for cornering and turning radius.

Components suited for industry guarantee longevity and robustness.

- **Dimension** **1670 (l) x 700 (w) x 295 (h) mm**  
**65,7 (l) x 27,6 (w) x 11,6 (h) in**
- Payload max. 1,0 t (2,200 lbs)
- Lift height 120 mm (4,7 in)
- Speed max. 1,6 m/s (5,25 f/s)
- Navigation contour, magnet, hybrid
- Safety Safety Laser Scanners 360°
- Power supply Automatic opportunity charging
- Battery LFP (48V/60Ah)

# STANDARD PRODUCTS

## OSCAR omni

The lift deck AGV of a new generation.

OSCAR omni is a low 218 mm (8,6 in) AGV which can handle various loads independent of the carrier. With a lift deck, this new generation AGV combines full omnidirectional mobility with uncompromised personal safety. Omnidirectional mobility allows turning on the stand as well as diagonal driving hence reduces the space required for cornering and turning radius.



- **Dimension** 1520 (l) x 720 (b) x 310 (h) mm
- 59,8 (l) x 28,3 (w) x 12,2 (h) in
- Payload max. 1,0 t (2,200 lbs)
- Lift height 160 mm (6,3 in)
- Speed max. 1,6 m/s (5,25 f/s)
- Navigation contour, magnet, hybrid
- Safety Safety Laser Scanners 360°
- Power supply Automatic opportunity charging
- Battery LTO (48V/22Ah)

# STANDARD PRODUCTS



## AMADEUS classic mono

### Born driverless.

AMADEUS classic is characterized by its solid mechanical structure, high personal safety and harmonious compliance and coordination of all components (software, actuators and sensors). AMADEUS classic with fork over legs can be offered with all different types of navigating systems offered from DS AUTOMOTION and it is possible to integrate it into existing systems.

- **Dimension** **2212 (l) x 953 (w) x 2379 (h) mm**  
**87,1 (l) x 37,5 (w) x 93,7 (h) in**
- Lift height mono mast max. 1200 mm (47,2 in)
- Payload max. 1,5 t (3300 lbs)
- Load pick up Pallet-Fork 1150 mm (45,3 in)
- Speed max. 1,8m/s (5,9 f/s)
- Navigation contour, laser
- Power supply automatic charging, battery replacement
- Battery Li-NMC (24V/104Ah/208Ah)  
Lead-Gel (24V/375Ah)

# STANDARD PRODUCTS



## AMADEUS classic duplex

### Born driverless.

AMADEUS classic is characterized by its solid mechanical structure, high personal safety and harmonious compliance and coordination of all components (software, actuators and sensors). AMADEUS classic with fork over legs can be offered with all different types of navigating systems offered from DS AUTOMOTION and it is possible to integrate it into existing systems.

- **Dimension:** 2212 (l) x 953 (w) x 2379 – 3471 (h) mm  
87,1 (l) x 37,5 (w) x 93,7 – 136,7 (h) in
- Lift height duplex mast max. 2800 mm (110,2 in)
- Payload max. 1,5 t (3300 lbs)
- Load pick up Pallet-Fork 1150 mm (45,3 in)
- Speed max. 1,8m/s (5,9 f/s)
- Navigation contour, laser
- Power supply automatic charging, battery replacement
- Battery Li-NMC (24V/104Ah/208Ah)  
Lead-Gel (24V/375Ah)



# STANDARD PRODUCTS

## AMADEUS wide mono

### Born driverless.

AMADEUS wide is characterized by its solid mechanical structure, high personal safety and harmonious compliance and coordination of all components (software, actuators and sensors). AMADEUS wide with fork between legs can be offered with all different types of navigating systems offered from DS AUTOMOTION and it is possible to integrate it into existing systems.

- **Dimension:** **1930 - 2330 (l) x 1580 (w) x 2379 (h) mm**  
**76,0 – 91,7 (l) x 62,2 (w) x 93,7 (h) in**
- Lift height mono mast max. 1200 mm (47,2 in)
- Payload max. 1,5 t (3300 lbs)
- Load pick up Pallet-Fork 1150 mm (45,3 in)
- Speed max. 1,8m/s (5,9 f/s)
- Navigation contour, laser, magnet
- Power supply automatic charging, battery replacement
- Battery Li-NMC (24V/104Ah/208Ah)  
Lead-Gel (24V/375Ah)



**SSI SCHAFER**

# STANDARD PRODUCTS

## AMADEUS wide duplex

### Born driverless.

AMADEUS wide is characterized by its solid mechanical structure, high personal safety and harmonious compliance and coordination of all components (software, actuators and sensors). AMADEUS wide with fork between legs can be offered with all different types of navigating systems offered from DS AUTOMOTION and it is possible to integrate it into existing systems.

- **Dimension:** **1930 - 2330 (l) x 1580 (w) x 2379 – 3471 (h) mm**  
**76,0 – 91,7 (l) x 62,2 (w) x 93,7 – 136,7 (h) in**
- Lift height duplex mast max. 2800 mm (110,2 in)
- Payload max. 1,5 t (3300 lbs)
- Load pick up Pallet-Fork 1150 mm (45,3 in)
- Speed max. 1,8m/s (5,9 f/s)
- Navigation contour, laser, magnet
- Power supply automatic charging, battery replacement
- Battery Li-NMC (24V/104Ah/208Ah)  
Lead-Gel (24V/375Ah)



**SSI SCHAFER**

# STANDARD PRODUCTS



## AMADEUS low 1 pallet

### Born driverless.

AMADEUS low is characterized by its solid mechanical structure, high personal safety and harmonious compliance and coordination of all components (software, actuators and sensors). AMADEUS low as low lifter can be offered with all different types of navigating systems offered from DS AUTOMOTION and it is possible to integrate it into existing systems.

- **Dimension:** 2200 (l) x 953 (w) x 2379 (h) mm  
86,6 (l) x 37,5 (w) x 93,7 (h) in
- Lift height 100 mm (45,3 / 3,9 in)
- Payload max. 2,0 t (4400 lbs)
- Load pick up Pallet-Fork 1150 mm (45,3 in)
- Speed max. 1,8m/s (5,9 f/s)
- Navigation contour, laser
- Power supply automatic charging, battery replacement
- Battery Li-NMC (24V/208Ah)  
Lead-Gel (24V/375Ah)

# STANDARD PRODUCTS



## AMADEUS low 2 pallets

### Born driverless.

AMADEUS low is characterized by its solid mechanical structure, high personal safety and harmonious compliance and coordination of all components (software, actuators and sensors). AMADEUS low as low lifter can be offered with all different types of navigating systems offered from DS AUTOMOTION and it is possible to integrate it into existing systems.

- **Dimension:** 3400 (l) x 953 (w) x 2379 (h) mm  
133,9 (l) x 37,5 (w) x 93,7 (h) in
- Lift height 100 mm (45,3 / 3,9 in)
- Payload max. 2,0 t (4400 lbs)
- Load pick up Pallet-Fork 2350 mm (92,5 in)
- Speed max. 1,8m/s (5,9 f/s)
- Navigation contour, laser
- Power supply automatic charging, battery replacement
- Battery Li-NMC (24V/208Ah)  
Lead-Gel (24V/375Ah)

# STANDARD PRODUCTS

## AMADEUS counter mono

**Born driverless.**

AMADEUS counter is characterized by its solid mechanical structure, high personal safety and harmonious compliance and coordination of all components (software, actuators and sensors). AMADEUS counter as counterbalance AGV can be offered with all different types of navigating systems offered from DS AUTOMOTION and it is possible to integrate it into existing systems.

- **Dimension:** **2751 (l) x 953 (w) x 2379 (h) mm**  
**108,3 (l) x 37,5 (w) x 93,7 (h) in**
- Lift height mono mast max. 1200 mm (47,2 in)
- Payload max. 1,2 t (2640 lbs)
- Load pick up Pallet-Fork 1150 mm (45,3 in)
- Speed max. 1,8m/s (5,9 f/s)
- Navigation contour, laser, magnet
- Power supply automatic charging, battery replacement
- Battery Li-NMC (24V/208Ah/312Ah)  
Lead-Gel (24V/375Ah)



**SSI SCHAFER**

# STANDARD PRODUCTS

## AMADEUS counter duplex

### Born driverless.

AMADEUS counter is characterized by its solid mechanical structure, high personal safety and harmonious compliance and coordination of all components (software, actuators and sensors). AMADEUS counter as counterbalance AGV can be offered with all different types of navigating systems offered from DS AUTOMOTION and it is possible to integrate it into existing systems.

- **Dimension:** **2751 (l) x 953 (w) x 2379 – 3471 (h) mm**  
**108,3 (l) x 37,5 (w) x 93,7 – 136,7 (h) in**
- Lift height duplex mast max. 2800 mm (110,2 in)
- Payload max. 1,2 t (2640 lbs)
- Load pick up Pallet-Fork 1150 mm (45,3 in)
- Speed max. 1,8m/s (5,9 f/s)
- Navigation contour, laser, magnet
- Power supply automatic charging, battery replacement
- Battery Li-NMC (24V/208Ah/312Ah)  
Lead-Gel (24V/375Ah)



# STANDARD PRODUCTS



## AMADEUS grip

### Born driverless.

AMADEUS grip for the transport of foam blocks is characterized by its solid mechanical structure, high personal safety and harmonious compliance and coordination of all components (software, actuators and sensors).

The optimized technology for driverless operation and its very compact design make the AMADEUS grip stacker an uncompromisingly industrial truck, where the personal safety is guaranteed.

- **Dimension:** 2396 (l) x 2550 (w) x 2563 (h) mm  
94,3 (l) x 10,0 (w) x 10,1 (h) in
- Payload max. 400 kg (880 lbs)
- Load pick up clamp
- Block size (l x w) 2 x 1050x1420 mm (41,3x55,9 in)
- Max. Speed 1,8m/s (5,9 f/s)
- Navigation contour, laser, magnet
- Power supply automatic charging, battery replacement
- Battery Li-NMC (24V/208Ah/312Ah)  
Lead-Gel (24V/375Ah)

# STANDARD PRODUCTS

## CAREY trike

**Proven Solutions with customers since decades.**

CAREY trike is our proven AGV, specifically designed for medical facilities, designed and built with high standards of hygiene. It is an energy-efficient, low-maintenance AGV with focus on longevity in operation cycle. CAREY is rated IP 54 and is compatible with all DS AUTOMOTION solutions.



- **Dimension:** **1968 (l) x 638 (w) x 333 (h) mm**  
**77,5 (l) x 25,1 (w) x 13,1 (h) in**
- Payload max. 500 kg (1100 lbs)
- Lift height 80 mm (3,15 in)
- Max. Speed 1,6 m/s (5,25 f/s)
- Wheel configuration 3-wheel
- Navigation contour, magnet, hybrid
- Safety Scanners front and rear
- Power supply Automatic opportunity charging
- Battery Lead-Gel (24V/200Ah)  
LFP (24V/100Ah)



# STANDARD PRODUCTS

## CAREY spin

**Proven Solutions with customers since decades.**

CAREY spin is our proven AGV, specifically designed for medical facilities, designed and built with high standards of hygiene. It is an energy-efficient, low-maintenance AGV with focus on longevity in operation cycle. CAREY is rated IP 54 and is compatible with all DS AUTOMOTION solutions.

- **Dimension:** **1953 (l) x 584 (w) x 330 (h) mm**  
**76,8 (l) x 23,0 (w) x 13,0 (h) in**
- Payload max. 500 kg (1100 lbs)
- Lift height 80 mm (3,15 in)
- Max. Speed 1,6 m/s (5,25 f/s)
- Wheel configuration differential
- Navigation contour, magnet, hybrid
- Safety Scanners front and rear
- Power supply Automatic opportunity charging
- Battery Lead-Gel (24V/200Ah)  
LFP (24V/100Ah)



# STANDARD PRODUCTS



## LUCY

### Born driverless

LUCY as a small, compact all-round AGV is characterized by its solid mechanical construction and its high flexibility.

The vehicle head and the screw mast are standardized, the load handling device and the rear wheel arms can be customized.

This creates maximum flexibility for a wide variety of loads.

- **Dimension** **1000 – 2200 (l) x 868 (w) x 2174 (h) mm**  
**39,4 – 86,6 (l) x 34,2 (w) x 85,6 (h) in**
- Payload max. 500 kg (1100 lbs)
- Mast / Lifting height screw lift / 580 mm (22,8 in) customized
- Speed max. 1,6 m/s (5,25 f/s)
- Navigation contour, laser, magnet if possible
- Power supply automatic charging, battery replacement
- Battery Lead-Gel (24V/200Ah)  
LiFePo4 (24V/100Ah)

# Standard Products



## ARNY mono

As the big brother of the AMADEUS series, ARNY is characterized by its great flexibility. It stacks both large loads and special load carriers but is also ideally suited for lifting pallets upwards. The optimized technology for driverless operation and its very compact design make the ARNY counterbalance forklift truck an uncompromisingly industrial AGV for which safety is the top priority.

- **Dimension** **ca. 2870-2960 (l) x 1160 (b) x 2405 (h) mm**  
**approx. 113,0-116,5 (l) x 45,7 (b) x 94,7 (h) in**
- Lift height max. 1500 mm
- Payload max. 1500 kg (at lc 600 mm)
- Load pick up ISO fork carriage with forks
- Speed max. 1,8 m/s
- Safety control SIEMENS ET200SP-F Safety-SPS
- Safety 3 scanners for 360°personal safety
- Navigation contour, laser, magnet, hybrid
- Power supply automatic charging, battery replacement
- Battery pure lead acid fast charging (48V/490Ah)  
LFP (48V/208Ah)
- Option div. attachments

# Standard Products



## ARNY duplex

As the big brother of the AMADEUS series, ARNY is characterized by its great flexibility. It stacks large loads and special load carriers but is also ideally suited for lifting pallets to a height of 4.5m.

The optimized technology for driverless operation and its very compact design make the ARNY counterbalance forklift truck an uncompromisingly industrial AGV for which safety is the top priority.

- **Dimension** **ca. 2870-2960 (l) x 1160 (b) x 3175 (h) mm**  
**approx. 113,0-116,5 (l) x 45,7 (b) x 125,0 (h) in**
- Lift height max. 4500 mm
- Payload max. 1500 kg (at lc 600 mm)
- Load pick up ISO fork carriage with forks
- Speed max. 1,8 m/s
- Safety control SIEMENS ET200SP-F Safety-SPS
- Safety 3 scanners for 360°personal safety
- Navigation contour, laser, magnet, hybrid
- Power supply automatic charging, battery replacement
- Battery pure lead acid fast charging (48V/490Ah)  
LFP (48V/208Ah)
- Option div. attachments

# Standard Products



## ARNY triplex

As the big brother of the AMADEUS series, ARNY is characterized by its great flexibility. It stacks large loads and special load carriers but is also ideally suited for lifting pallets to a lofty height of 8.5m. The optimized technology for driverless operation and its very compact design make the ARNY counterbalance forklift truck an uncompromisingly industrial AGV for which safety is the top priority.

- **Dimension** **ca. 2870-2960 (l) x 1160 (b) x 3860 (h) mm**  
**approx. 113,0-116,5 (l) x 45,7 (b) x 152,0 (h) in**
- Lift height max. 8500 mm
- Payload max. 1500 kg (at lc 600 mm)
- Load pick up ISO device ZV1 with forks
- Speed max. 1,8 m/s
- Safety control SIEMENS ET200SP-F Safety-SPS
- Safety 3 scanners for 360°personal safety
- Navigation contour, laser, magnet, hybrid
- Power supply automatic charging, battery replacement
- Battery pure lead acid fast charging (48V/490Ah)  
LFP (48V/208Ah)
- Option other attachments

# Standard Products

## ARNY HD mono

As the big brother of the AMADEUS series, ARNY is characterized by its great flexibility. It stacks both large loads and special load carriers but is also ideally suited for lifting pallets upwards. The optimized technology for driverless operation and its very compact design make the ARNY counterbalance forklift truck an uncompromisingly industrial AGV for which safety is the top priority.



- **Dimension** ca. 3170-3260 (l) x 1160 (b) x 2405 (h) mm  
approx. 125,0-128,5 (l) x 45,7 (b) x 94,7 (h) in
- Lift height max. 1500 mm
- Payload max. 2500 kg (at lc 600 mm)
- Load pick up ISO fork carriage with forks
- Speed max. 1,8 m/s
- Safety control SIEMENS ET200SP-F Safety-SPS
- Safety 3 scanners for 360°personal safety
- Navigation contour, laser, magnet, hybrid
- Power supply automatic charging, battery replacement
- Battery pure lead acid fast charging (48V/490Ah)  
LFP (48V/208Ah)
- Option div. attachments

# Standard Products

## ARNY HD duplex



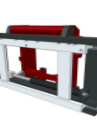
As the big brother of the AMADEUS series, ARNY is characterized by its great flexibility. It stacks large loads and special load carriers but is also ideally suited for lifting pallets to a height of 4.5m.

The optimized technology for driverless operation and its very compact design make the ARNY counterbalance forklift truck an uncompromisingly industrial AGV for which safety is the top priority.

- **Dimension** **ca. 3170-3260 (l) x 1160 (b) x 3175 (h) mm**  
**approx. 125,0-128,5 (l) x 45,7 (b) x 125,0 (h) in**
- Lift height max. 4500 mm
- Payload max. 2000 kg (at lc 600 mm)
- Load pick up ISO fork carriage with forks
- Speed max. 1,8 m/s
- Safety control SIEMENS ET200SP-F Safety-SPS
- Safety 3 scanners for 360°personal safety
- Navigation contour, laser, magnet, hybrid
- Power supply automatic charging, battery replacement
- Battery pure lead acid fast charging (48V/490Ah)  
LFP (48V/208Ah)
- Option div. attachments



# Standard Products

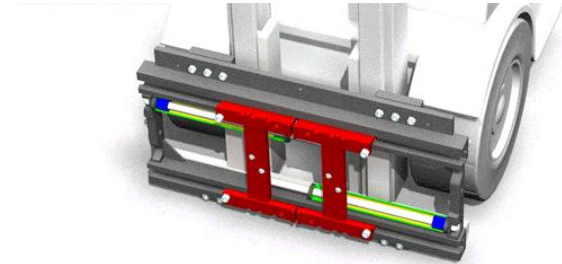
		STANDARD					sideshift	
		without adjustment	fork tilt	sideshift	fork spacing	sideshift		
						SS1 [+/- 50mm]	SS2 [+/- 250mm]	
ZV0		X	-	-	-	-	-	
ZV1		-	X	X	-	X	-	
ZV2		-	X	X	X	X	-	
ZV4		-	X	X	-	-	X	
ZV5		-	X	X	X	-	X	

## ARNY attachments (optional)

The ARNY can be equipped with standardized attachments to meet different load handling requirements.

These include the following variants:

- **ZV1** sideshift (+/- 50mm)  
fork tilt adjustment
- **ZV2** sideshift (+/- 50mm)  
fork tilt adjustment  
fork spacing adjustment
- **ZV4** sideshift (+/- 250mm)  
fork tilt adjustment
- **ZV5** sideshift (+/- 250mm)  
fork tilt adjustment  
fork spacing adjustment





## PAL spin (1 roller conveyor)

### Customized

The pallet transporter with built-on roller conveyor is characterized by its solid mechanical construction, differential drive and the possibility to picking up and transporting Euro pallets and Industrial pallets lengthwise. The harmonious coordination of all components (software, actuators and sensors) is based on a modular system and enables optimized technology for an uncompromisingly industrial AGV.



- **Dimension:** **1500 (l) x 1400 (w) x 650 (h) mm**  
**59,0 (l) x 55,1 (w) x 25,6 (h) in**
- Payload max. 1,0 t (2200 lbs)
- Load transfer height 500 mm (19,9 in)
- Speed max. 1,6 m/s (5,25 f/s)
- Navigation contour, magnet, hybrid
- Power supply automatic charging, battery replacement
- Battery Lead-Gel (24V/240Ah)  
LiFePo4 (24V/120Ah)



## PAL spin (1 chain conveyor)

### Customized

The pallet transporter with built-on chain conveyor is characterized by its solid mechanical construction, differential drive and the possibility to transport pallets of different dimensions crosswise.

The harmonious coordination of all components (software, actuators and sensors) is based on a modular system and enables optimized technology for an uncompromisingly industrial AGV.

- **Dimension** **1893 (l) x 1735 (w) x 1900 (h) mm**  
**74,6 (l) x 68,3 (w) x 74,8 (h) in**
- # of conveyors 1 across
- Payload max. 1,5 t (3300 lbs)
- Load transfer height 700 mm (276 in) or higher
- Speed max. 1,2 m/s (3,94 f/s)
- Navigation contour, magnet, laser, hybrid
- Power supply automatic charging, battery replacement
- Battery Lead-Gel (48V/252Ah)



## Double omni (2 roller conveyors)

### Customized

The pallet transporter with two roller conveyors is characterized by its solid mechanical construction, its 4-way drive and the possibility to pick up two pallets in parallel.

The harmonious coordination of all components (software, actuators and sensors) is based on a modular system and enables optimized technology for an uncompromisingly industry-compatible AGV.

- **Dimensions** **2990 (l) x 1490 (w) x 3130 (h) mm**  
**117,7 (l) x 586,6 (w) x 123,2 in**
- # of conveyors 2 across
- Payload max. 2 x 1,25 t (2 x 2750 lbs)
- Load transfer height 530 mm (20,9 in) or higher
- Speed max. 1,2 m/s (3,94 f/s)
- Navigation contour, laser, magnet, hybrid
- Power supply automatic charging, battery replacement
- Battery Lead-Gel (48V/252Ah)  
LiFePo4 (48V/150 Ah)

## Single trike (1 roller conveyor)

### Roller conveyor AGV lengthwise / crosswise on AMADEUS basic

The vehicle is characterized by its solid mechanical construction and modularity. The vehicle head is derived from our AMADEUS, the load handling device consists of the components, roller conveyor, vehicle frame and, if necessary, lifting table. These three assemblies can be used in different constellations for different vehicle variants.



- **Dimensions**  
**2047 (l) x 900 (w) x 2359 (h) mm**  
**80,6 (l) x 35,4 (w) x 92,9 (h) in**
- # of conveyors  
1 lengthwise or crosswise
- Payload  
max. 1,5 t (3300 lbs)
- Load transfer height  
450 mm (17,7 in) or higher
- Speed  
max. 1,8 m/s (5,9 f/s)
- Navigation  
contour, laser, magnet
- Power supply  
automatic charging, battery replacement
- Battery  
Li-NMC (24V/104Ah/208Ah)  
Lead-Gel (24V/375Ah)



## Single trike (1 roller conveyor & lift)

### Roller conveyor AGV lengthwise / crosswise with lift on AMADEUS basic

The vehicle is characterized by its solid mechanical construction and modularity. The vehicle head is derived from our AMADEUS, the load handling device consists of the components, roller conveyor, vehicle frame and, if necessary, lifting table. These three assemblies can be used in different constellations for different vehicle variants.

- **Dimensions** **1988 – 2138 (l) x 900 - 1180 (w) x 2359 (h) mm**  
**78,3 – 84,2 (l) x 35,4 – 46,5 (w) x 92,9 (h) in**
- # of conveyors 1 lengthwise or crosswise
- Payload max. 1,5 t (3300 lbs)
- Load transfer height 450 - 1000 mm (17,7 – 39,4 in)
- Speed max. 1,8 m/s (5,9 f/s)
- Navigation contour, laser, magnet
- Power supply automatic charging, battery replacement
- Battery Li-NMC (24V/104Ah/208Ah)  
Lead-Gel (24V/375Ah)



## Double trike (2 roller conveyors)

### Roller conveyor AGV lengthwise / crosswise on AMADEUS basic

The vehicle is characterized by its solid mechanical construction and modularity. The vehicle head is derived from our AMADEUS, the load handling device consists of the components, roller conveyor, vehicle frame and, if necessary, lifting table. These three assemblies can be used in different constellations for different vehicle variants.

- **Dimensions** 3138 - 3238 (l) x 900 (w) x 2359 (h) mm  
123,5 - 127,5 (l) x 35,4 (w) x 92,9 (h) in
- # of conveyors 2 lengthwise or crosswise
- Payload max. 2 x 1,0 t (2 x 2200 lbs)
- Load transfer height 450 mm (17,7 in) or higher
- Speed max. 1,8 m/s (5,9 f/s)
- Navigation contour, laser, magnet
- Power supply automatic charging, battery replacement
- Battery Li-NMC (24V/208Ah/312Ah)  
Lead-Gel (24V/375Ah)

## Double trike (2 roller conveyors & lift)

### Roller conveyor AGV lengthwise / crosswise with lift on AMADEUS basic

The vehicle is characterized by its solid mechanical construction and modularity. The vehicle head is derived from our AMADEUS, the load handling device consists of the components, roller conveyor, vehicle frame and, if necessary, lifting table. These three assemblies can be used in different constellations for different vehicle variants.

- **Dimensions** 3138 - 3338 (l) x 900 - 1180 (w) x 2359 (h) mm  
123,5 - 131,4 (l) x 35,4 - 46,46 (w) x 92,9 (h) in
- # of conveyors 2 lengthwise or crosswise
- Payload max. 2 x 1,0 t (2 x 2200 lbs)
- Load transfer height 450 - 1000 mm (17,7 – 39,4 in)
- Speed max. 1,8 m/s (5,9 f/s)
- Navigation contour, laser, magnet
- Power supply automatic charging, battery replacement
- Battery Li-NMC (24V/208Ah/312Ah)  
Lead-Gel (24V/375Ah)





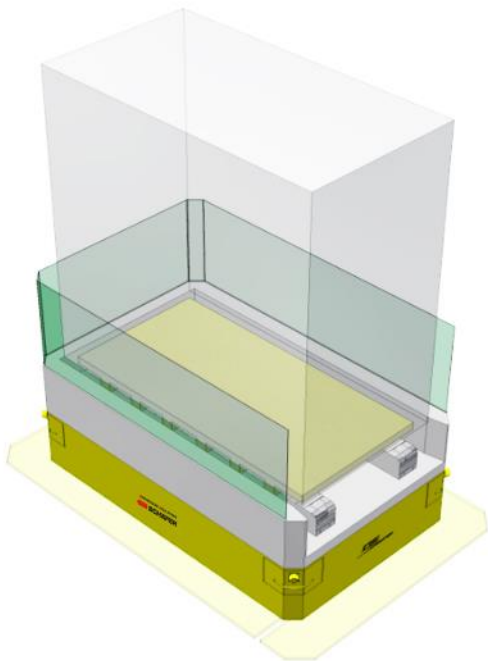
## Lifter trike (1 roller conveyor)

### Roller conveyor AGV crosswise on AMADEUS basic

The vehicle is characterized by its solid mechanical construction and modularity. The vehicle head is derived from our AMADEUS, the load handling device consists of the roller conveyor and vehicle frame assemblies. These two assemblies can be used in different constellations for different vehicle variants.

- **Dimensions** 2329 (l) x 900 (w) x 2359 (h) mm  
91,7 (l) x 35,4 (w) x 92,9 (h) in
- # of conveyors 1 crosswise
- Payload max. 1,5 t (3300 lbs)
- Load transfer height 250 – 1250 mm (9,8 – 49,2 in)
- Speed max. 1,8 m/s (5,9 f/s)
- Navigation contour, laser
- Power supply automatic charging, battery replacement
- Battery Li-NMC (24V/208Ah/312Ah)  
Lead-Gel (24V/375Ah)





## Double spin (2 chain conveyors)

### Customized

The pallet transporter with built-on chain conveyor is characterized by its solid mechanical construction, differential drive and the possibility to transport pallets of different dimensions lengthwise or crosswise.

The harmonious coordination of all components (software, actuators and sensors) is based on a modular system and enables optimized technology for an uncompromisingly industrial ATV.

- **Dimensions** **2800 (l) x 1750 (w) x 2000 (h) mm**  
**110,2 (l) x 68,9 (w) x 78,7 (h) in**
- # of conveyors 2 across, one after another (EPAL)
- Payload max. 2 x 1,0 t (2 x 2200 lbs)
- Load transfer height 650 mm (25,6 in) or higher
- Speed max. 1,2 m/s (3,94 f/s)
- Navigation contour, magnet, laser, hybrid
- Power supply automatic charging, battery replacement
- Battery Lead-Gel (48V/252Ah)  
LFP (48V/160Ah)

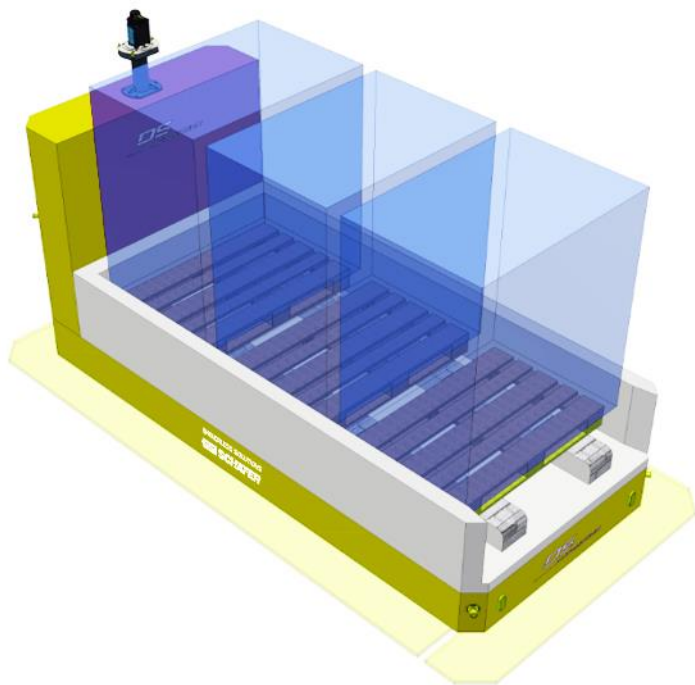
## Triple omni (3 chain conveyors)

### Customized

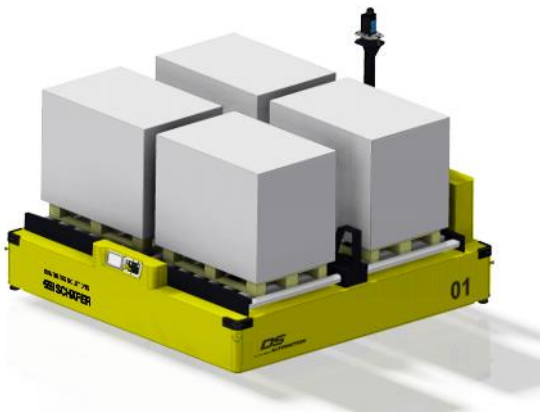
The pallet transporter with built-on chain conveyor is characterized by its solid mechanical construction, its 4-way drive and the possibility to transport pallets of different dimensions lengthwise or crosswise.

The harmonious coordination of all components (software, actuators and sensors) is based on a modular system and enables optimized technology for an uncompromisingly industrial AGV.

- **Abmessungen:** **3700 (l) x 1600 (w) x 2450 (h) mm**  
**145,7 (l) x 63,0 (w) x 96,5 (h) in**
- # of conveyors 3 across, one after another (EPAL)
- Payload max. 3 x 1,0 t (3 x 2200 lbs)
- Load transfer height 650 mm (25,6 in) or higher
- Speed max. 1,2 m/s (3,94 f/s)
- Navigation contour, magnet, laser, hybrid
- Power supply automatic charging, battery replacement
- Battery Lead-Gel (48V/252Ah)  
LFP (48V/160Ah)



# DS CUSTOMIZED



## Quattro omni (4 Rollen)

### Customized

The pallet transporter with 4 mounted roller conveyors is characterized by its solid mechanical construction, its 4-way drive and the possibility to pick up and transport 4 pallets at the same time.

The harmonious coordination of all components (software, actuators and sensors) is based on a modular system and enables optimized technology for an uncompromisingly industrial AGV.

- **Dimensions** **2600 (l) x 2600 (w) x 850 (h) mm**  
**102,4 (l) x 102,4 (w) x 33,5 (h) in**
- # of conveyors 4 across (2x2) EPAL / IPAL
- Payload max. 4 x 1,0 t (4 x 2200 lbs)
- Load transfer height 800 mm (31,5 in) or higher
- Speed max. 1,2 m/s (3,94 f/s)
- Navigation contour, magnet, laser, hybrid
- Power supply automatic charging, battery replacement
- Battery Lead-Gel (48V/500Ah)  
Pure Lead (48V/500Ah)