

**movexx**

driven by brain power



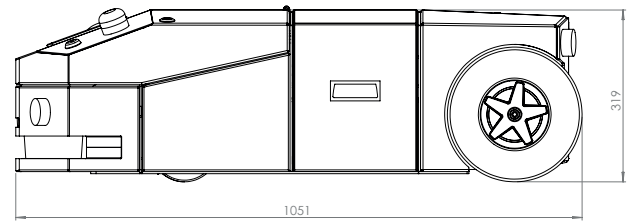
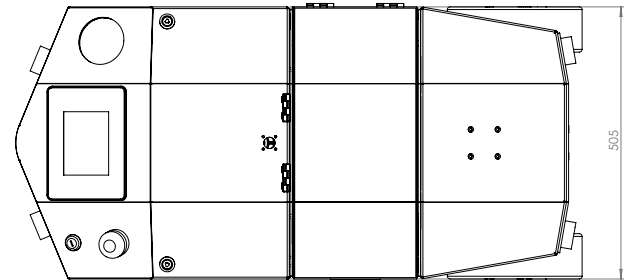
DATASHEET  
**Movexx AGV1000**  
**2018**



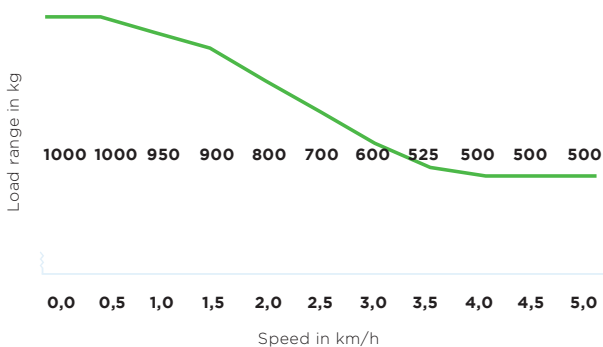
## Specifications AGV1000

Version	Uni-directional AGV
Application	Pulling of trolleys
Trolley weight	Maximal 1000 kg
Speed	Stepless to 4,7 km/h
Corner speed	Maximal 1,0 km/h
Corner radius	Minimal r=1000 mm
Navigation	Optical with RFID-tags
Traction	300 W, 24 VDC, 100 rpm
Traction wheels	Full rubber Ø250x80 mm
Brake	Electric
Parking brake	Electromagnetic
Energy supply	Lithium batt. 24V 36Ah
Back-Up supply	B-U batt. 24 V 1,2 Ah
Frame construc.	Steel powder coated
Natural weight	150 kg with battery
Length	1051 mm
Width	505 mm
Height	326 mm
Noise level	68,5 dB
Usage temp.	0°C - 55°C
Protection class	IP44

## Dimensions AGV1000



## Pulling power AGV1000 (in kg)



*\*Measured with a trolley with 2 swivelwheels and 2 fixed castors. Wheel diameter: 160mm*

## Standard AGV1000



## Standard parts AGV1000



Battery Lithium-LiFePO4,  
36Ah GREEN

Item number:  
OPT0106

Full-rubber drive wheel,  
black Ø250mm



Dimensions Ø250 x 80 mm

Item number:  
M0248

Lightvision module AGV  
with LED's



*Two white daylight LED's on  
the front, two red daylight  
LED's on the back*

Item number:  
OPTAGV0009

Cable remote with emer-  
gency stop



*Forward, backward, left, right  
and emergency stop*

Item number:  
OPT0104

7" colour display + RFID &  
route module



*Full colour control high reso-  
lution display wich program-  
ming options for RFID-tags en  
routing*

Item number:  
OPTAGV0001

## Standard parts AGV1000

Motor 300W 100RPM with  
brake



Item number:  
M1033

Charger 25,6V 10A LITHI-  
UM



Item number:  
M0384

## Options AGV1000



Battery Lithium-LiFePO4,  
36Ah GREEN

Article number:  
OPT0106



Non marking wheels Grey  
2 pc. AGV

Article number:  
OPTAGV0010



Light Blue Spot Safety  
light

*Daylight blue LED for ground-  
spot*

Article number:  
M0961



Ignition key equal keys  
AGV

Article number:  
OPTAGV0011



Wi-Fi module for wireless  
LAN

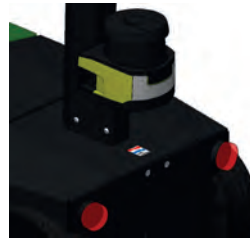
Article number:  
OPTAGV0013



Flashlight+console com-  
plete AGV1000/2500

*Console: start/stop and  
emergency-stop. Flashlight:  
daylight LED's orange, green,  
red and blue.*

Article number:  
OPTAGV0014



Safety scanner backside  
on pole

*For scanning de sides and  
backside of the machine*

Article number:  
OPTAGV0017



AGV Control Software  
TransportControl LT

*Single license for AGV coordi-  
nating & control software for  
maximal 10 AGV's*

Article number:  
OPTAGV0018



Sound & speech Module  
AGV

*Akustical communication with  
the environment*

Article number:  
OPTAGV0019



TransportControl Traffic  
Server Software

*Manage & controls maximal 99  
AGV vehicles*

Article number:  
OPTAGV0020



TransportControl Client  
Vehicle Licence

*Needed for every controlled  
AGV*

Article number:  
OPTAGV0021



Charging Station for 1  
Lithium battery

*Wallmounting chargerstation  
with lithium battery charger  
29,2 V, 10 A*

Article number:  
OPT0023

## Options AGV1000



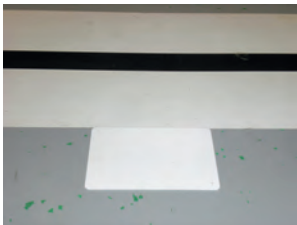
Charging station for 5  
Lithium batteries

Article number:  
OPT0029



Upgrade to charging  
station

Article number:  
OPT0261



RFID TAG 86x54mm  
0.8mm (creditcard)

*Radio Frequency IDentification  
tag to control AGV's (speed  
changing, stop etc.)*

Article number:  
M0974



Sticker for credit card TAG

*Special sticker for sticking,  
protecting & covering TAG's*

Article number:  
M0974-0001



RFID TAG Ø20 x 2,8mm  
plastic (disk)

*Radio Frequency IDentification  
tag to control AGV's (speed  
changing, stop etc.)*

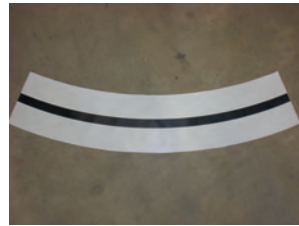
Article number:  
M0988



Sticker AGV track straight  
w=160mm l=3m

*To control speed RFID-tags  
along the track are needed*

Article number:  
M2731-0010



Sticker AGV track curve  
45° w=160mm r=1m

*Maximum corner speed 1 km/h*

Article number:  
M2731-0011



Sticker AGV track curve  
90° b=160mm r=1m

*Maximum corner speed 1 km/h*

Article number:  
M2731-0012



Sticker AGV track switch  
left 45° l=1m

*For driving the intersection  
RFID-tags are needed. Maxi-  
mum intersection speed is 1  
km/h*

Article number:  
M2731-0013



Sticker AGV track switch  
right 45° l=1m

*For driving the intersection  
RFID-tags are needed. Maxi-  
mum intersection speed is 1  
km/h*

Article number:  
M2731-0014



Sticker AGV Parallel doc-  
king Right

Article number:  
M2731-0015



Sticker AGV parallel doc-  
king Left

Article number:  
M2731-0016

## Options AGV1000



RFID TAG 80x50mm pa-  
percard self-adhesive

*Radio Frequency IDentification  
tag to control AGV's (speed  
changing, stop etc.)*

Article number:  
M2803



RFID Tag Ø=50mm  
d=3,3m,m

*Radio Frequency IDentification  
tag to control AGV's (speed  
changing, stop etc.)*

Article number:  
OPT0095



Demo floor grey AGV  
6.5x3,0m

*Plastic tile floor, easy to install,  
with slow/fast RFID-tags*

Article number:  
OPTAGV0000



Positioning rail 2,35m  
palletcart

*To exact positioning the pallet-  
cart over the AGV track, wheel  
width 50mm*

Article number:  
OPTAGV0015



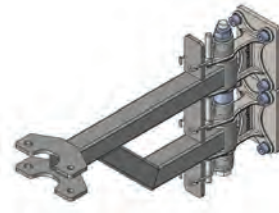
Base part hook 90°

Article number:  
H7030



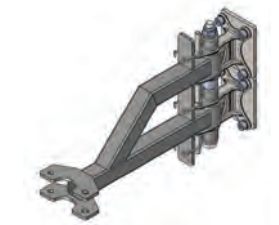
Base part hook 90° double  
spring

Article number:  
H7040



Base part heavy hook 90°  
lowered

Article number:  
H7070



Base part heavy hook 90°  
raised

Article number:  
H7080



Base part hook 90° manu-  
al control

Article number:  
H7090



Pen for Drawbar Ø16 incl.  
Backplate

Article number:  
H0064



hitch ball coupling Ø  
50mm incl. adapter

Article number:  
H0068



Towbar for Movexx  
E-Frame

*Suitable for OPT0067*

Article number:  
H0070

## Options AGV1000



Towbar + pin Ø15mm incl.  
Back plate

Article number:  
H0071



Pen for Drawbar Ø10 incl.  
Backplate

Article number:  
H0072



Hook for LKE Platformwa-  
gon Type X

Article number:  
H0076



Hook K-Hartwall dolly  
DOS1617/1636 90°

Article number:  
H0083



Folding Hook, diameter 16

Article number:  
H0128-D16



Folding Hook, diameter 20

Article number:  
H0128-D20



Folding Hook, diameter 25

Article number:  
H0128-D25



Folding Hook, diameter 27

Article number:  
H0128-D27



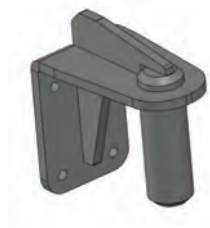
Folding Hook, diameter 32

Article number:  
H0128-D32



Folding Hook, diameter 35

Article number:  
H0128-D35



Pin drawbar Ø35 com-  
plete

Article number:  
H0144



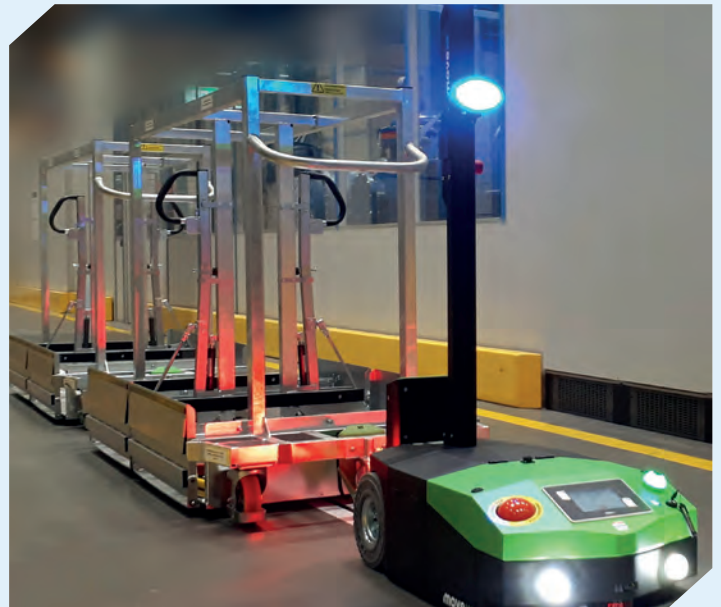
Quick connection hook  
AGV semiautomatic

*With OPTAGV0003 is a half au-  
tomatic connection and fully  
automatic load disconnection  
possible*

Article number:  
H5123







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