


GMV A/S - v5

# Winlet

**Effective and intelligent glazing- and cladding robots for windows, glass, and other airtight material.**

GMV
Cranes and Handling




# What is a Winlet?

## Faster, safer, and smarter glass and window installations.

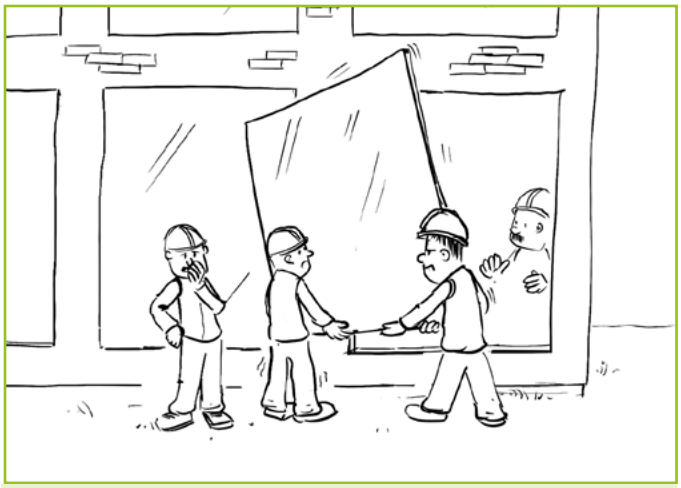
The Winlet products consists of a series of self-propelled vacuum lifts using vacuum and hydraulics to lift and handle sheet glass, windows, and other airtight material.

Winlet have off-road wheel drive on the front axle and all movements of the load is hydraulically actuated.

**Winlet comes in 9 different overall models each of which has a range of configuration possibilities:**


| | |
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# Why should you invest in a Winlet?



Manual installations of glass and windows might seem like the cheapest solution compared to investing in a glazing robot.

However, manual installations require a large workforce in order to lift and handle the glass. If you also consider the high risks of injuries and material damage, the costs will long surpass the investment you will make in a glazing robot.




With a Winlet, glass installation is possible with just one operator.

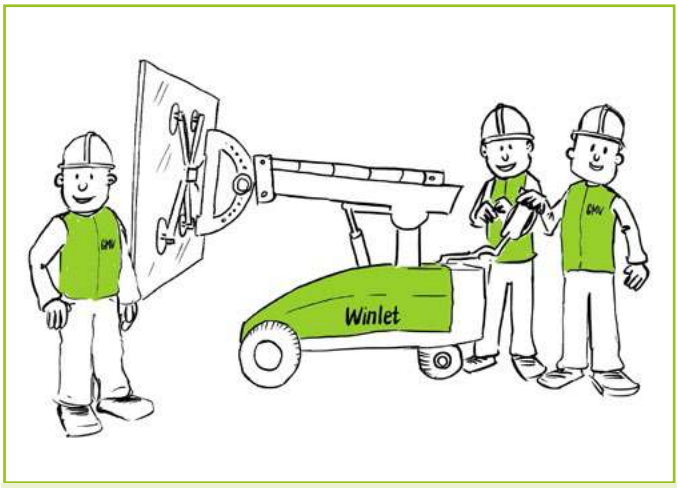
All Winlet models are fully hydraulic which ensures the robustness, speed and power required on a construction site.

The hydraulic fine lift and side shift on Winlet ensures that the installation is carried out easily and precisely - every time!




Safety is the most important feature on a Winlet. The Winlet computer is always monitoring all functions including position of the lifting arm and capacity limits to ensure optimal safety at all times during use.

All Winlets are equipped with a safety switch, emergency stop and emergency lowering of the hydraulics is always possible on a Winlet.




When it comes to safe and effective glass and window installation there is a much smarter way. - It's called a Winlet!

**Winlet - Faster, Safer, Smarter!**




# Winlet 1000 Crawler

## Crawled traction and low ground pressure

Winlet Crawler Bi-Leveling can operate in all types of terrain including stairs ensuring maximum maneuverability and precision even in the narrowest spaces, with a minimum of ground pressure – and without any kind of outriggers needed at any time.

## Dynamic leveling

The leveling of the manipulator is completely automatic when using the Dynamic Leveling System -even on slopes or uneven surfaces.

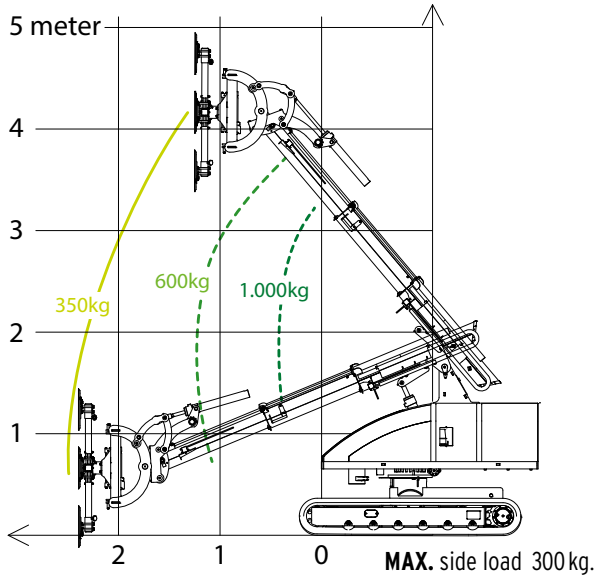
Winlet Crawler Bi-Leveling will automatically adjust both on longitudinal slopes until 15° (27%) and lateral slopes until 14° (25%) at the same time, always ensuring a safe and effective transportation or installation.



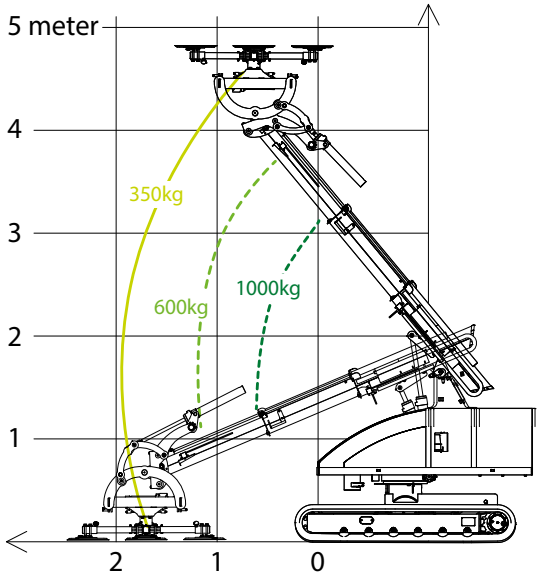


# Winlet 1000 Crawler

## REACH DIAGRAM



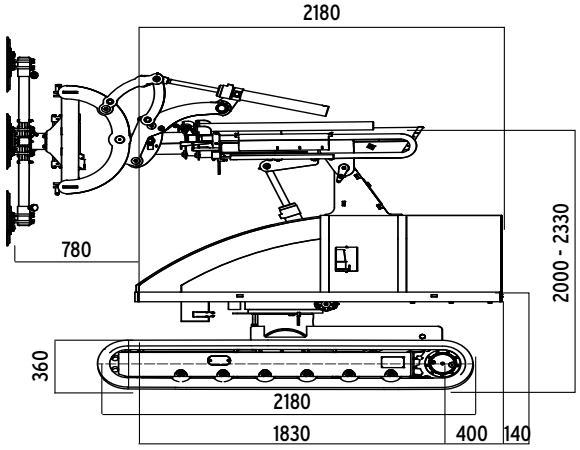

## PICKUP AND PLACE DIAGRAM

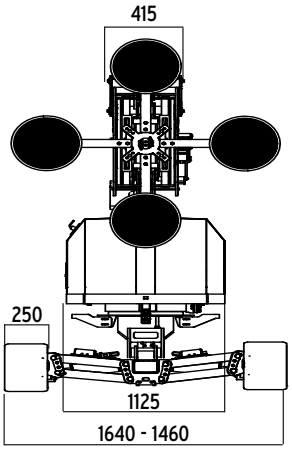



## SPECIFICATIONS*

| | |
|---|---|
| EXTERNAL LENGTH | 2.830 MM |
| EXTERNAL WIDTH | 1.460 - 1.640 MM |
| MAX LIFTING CAPACITY | 1.000 KG |
| MAX LIFTING HEIGHT - Raised carrier | 4.500 MM |
| MAX LIFTING HEIGHT - Lowered carrier | 4.170 MM |
| TOTAL WEIGHT | 2.850 KG |
| MAX OVERHEAD INSTALLATION - Raised carrier | 5.100 MM |
| MAX OVERHEAD INSTALLATION - Lowered carrier | 4.770 MM |
| MAX REACH - No tilt on carrier | 2.200 MM |

| | |
|---|---|
| MAX REACH - Carrier tilted forward | 2.600 MM |
| HYDRAULIC SIDE SHIFT | 75 MM |
| FINE LIFT ON ARM | 200 MM |
| TILT FUNCTION OF THE FRONT - Horizontal arm | BACK: 43° FORTH: 88° |
| HYDRAULIC ROTATION | 360 ° |
| SUCTION CUPS | 4 x ø410 MM |
| BATTERIES | 48V, 420AH |
| MAX SPEED | 0- 2,2 KPH |




** The dimensions are indicative and may vary +/- 10mm. The photographs and/or drawings in this document are for illustrative purposes only.*




# Winlet 1000 Crawler ER

## Winlet Crawler with extended reach!

Winlet 1000 Crawler ER is an upgraded version of our tracked glazing robot. This version has an extended telescopic arm reaching a maximum horizontal lifting height of just over 6 meters!

As the original Crawler, it can operate in all types of terrain including stairs ensuring maximum maneuverability and precision even in the narrowest spaces, with a minimum of ground pressure – and without any kind of outriggers needed at any time.

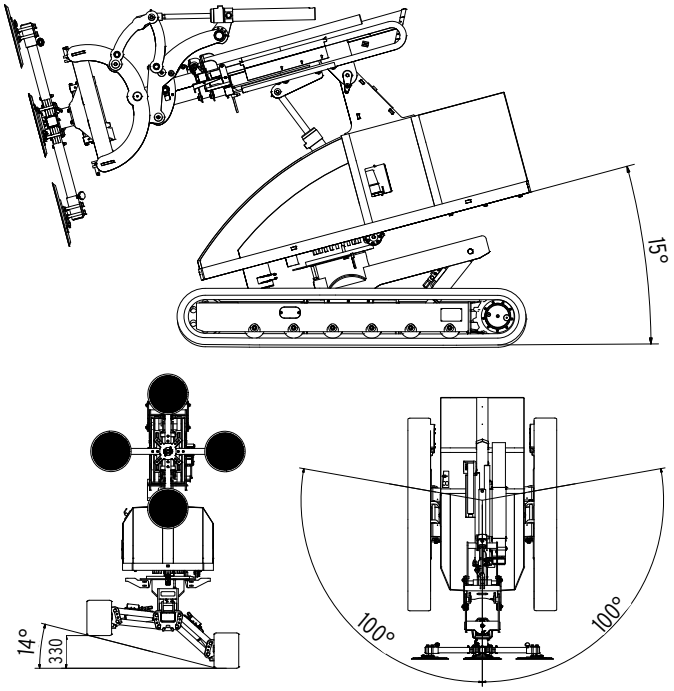
## Dynamic leveling

The leveling of the manipulator is completely automatic when using the Dynamic Leveling System - even on slopes or uneven surfaces.

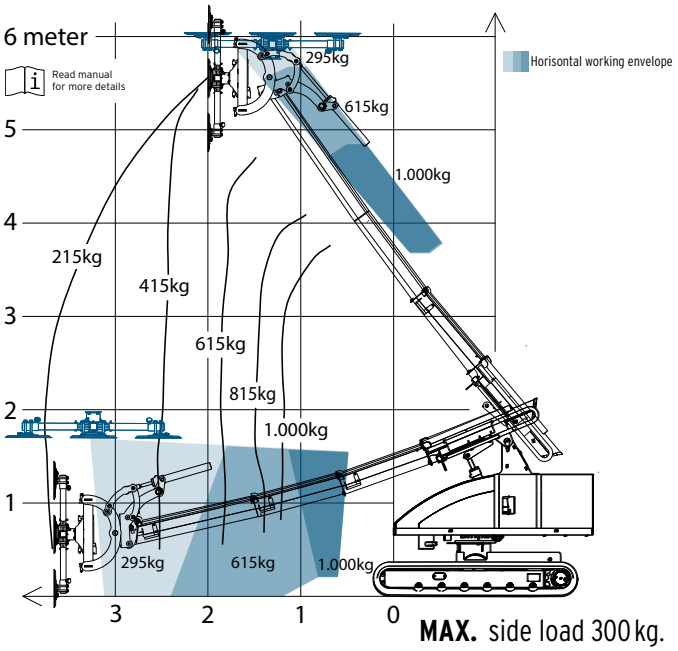
Winlet Crawler Bi-Leveling will automatically adjust both on longitudinal slopes until 15° (27%) and lateral slopes until 14° (25%) at the same time, always ensuring a safe and effective transportation or installation.



# Winlet 1000 Crawler ER




## **MAX.** LOAD/REACH KG

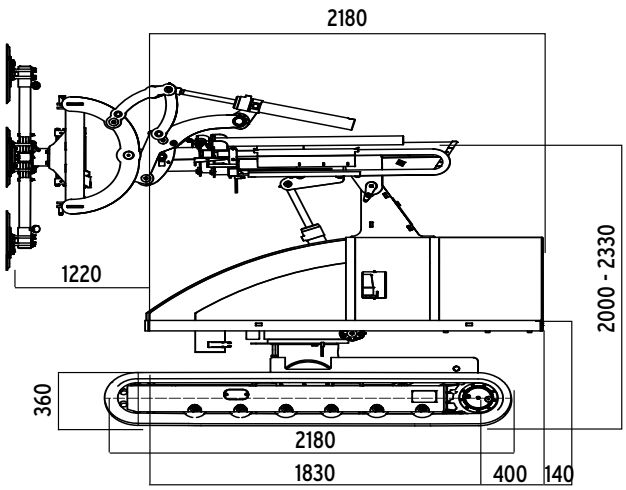


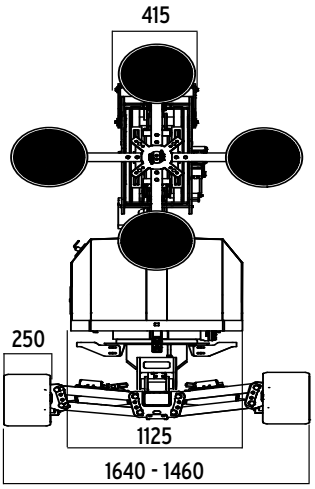

**MAX.** side load 300 kg.

## SPECIFICATIONS*

| | |
|---|---|
| EXTERNAL LENGTH | 3.530 MM |
| EXTERNAL WIDTH | 1.460 - 1.640 MM |
| EXTERNAL HEIGHT | 2.120 MM |
| TOTAL WEIGHT | 3.380 KG |
| MAX LIFTING CAPACITY | 1.000 KG |
| MAX VERTICAL LIFTING HEIGHT - Raised carrier | 5.480 MM |
| MAX VERTICAL LIFTING HEIGHT - Lowered carrier | 5.280 MM |
| MAX HORIZONTAL LIFTING HEIGHT - Raised carrier | 6.050 MM |
| MAX HORIZONTAL LIFTING HEIGHT - Lowered carrier | 5.850 MM |
| MAX HORIZONTAL LIFTING HEIGHT - Suction cups down, lowered carrier | 1.540 MM |

| | |
|---|---|
| MIN DISTANCE FRONT TO SUCTION CUP | 1.020 MM |
| MAX DISTANCE FRONT TO SUCTION CUP | 3.780 MM |
| HYDRAULIC SIDE SHIFT | 75 MM |
| HYDRAULIC FINE LIFT ON ARM | 200 MM |
| HYDRAULIC ROTATION | 360° |
| TILT FUNCTION OF THE FRONT - Horizontal arm | BACK: 43° FORTH: 88° |
| SUCTION CUPS | 4 x ø410MM |
| BATTERIES | 48V, 420AH |
| MAX SPEED | 0- 2,2 KPH |




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Available with:
**PSAC** - Proportional Single Axis Control
or **MAC** - Multi Axis Control

# Winlet 1000

## The glazing robot with a 1 tonne capacity

Winlet 1000 can lift up to 1000 kg but still has the ability to work across rough terrain. Weighing just 1.816 kg with full counterweights, it is also designed for operation across low load bearing floors.

## Maximum control

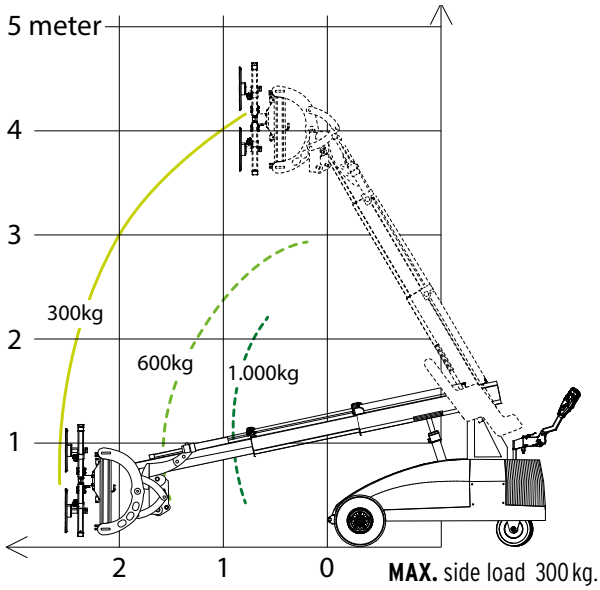
An intelligent gyroscopic hydraulic system makes sure the load stays in the same position when an element is lifted with the main arm.

The glazing robot can also install glass panels directly overhead to a height of 4.1 meters, making it ideal for installing of glazed cupolas and roofs.

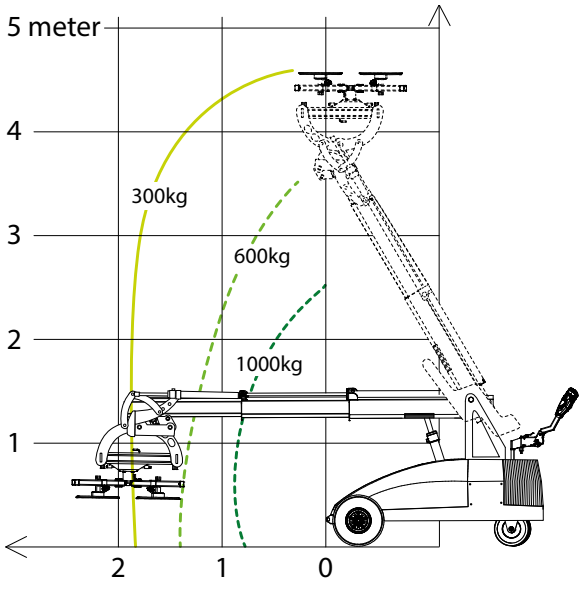


# Winlet 1000

## REACH DIAGRAM



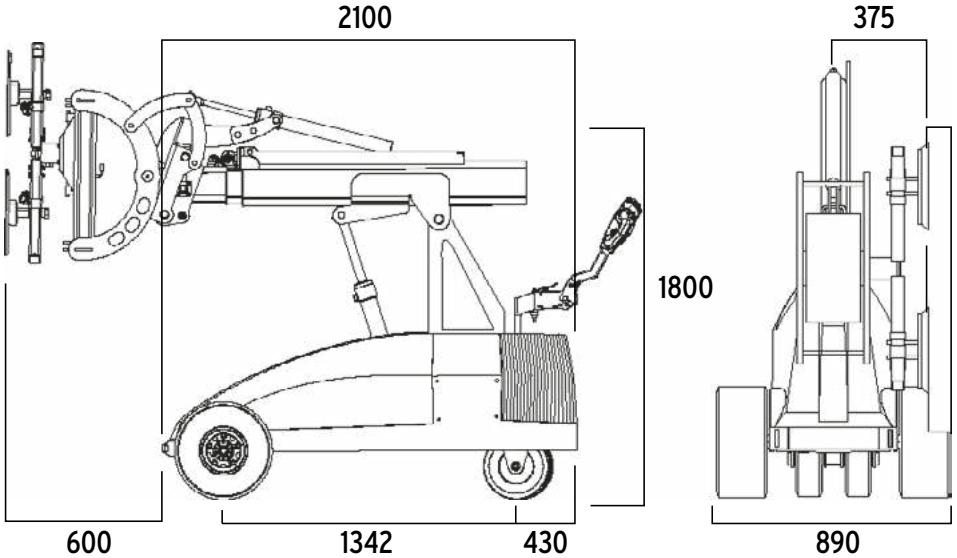

## PICKUP AND PLACE DIAGRAM




## SPECIFICATIONS*

| | |
|---|---|
| EXTERNAL LENGTH | 2.100 MM |
| EXTERNAL WIDTH | 890 MM |
| MAX LIFTING CAPACITY | 1.000 KG |
| MAX LOAD AT MAX EXTENSION | 300 KG |
| MAX SIDE MOUNTED LOAD | 300 KG |
| TOTAL WEIGHT - Excl. counterweights | 1.363 KG |
| TOTAL WEIGHT - Incl. counterweights | 1.816 KG |
| EXTENSION MIN/MAX - Front bumper to suction cup | 600 MM / 2.500 MM |

| | |
|---|---|
| MAX LIFTING HEIGHT - to center of lifting yoke | 4.100 MM |
| HYDRAULIC SIDE SHIFT | 75 MM |
| HYDRAULIC FINE LIFT ON ARM | 200 MM |
| TILT FUNCTION OF THE FRONT - Horizontal arm | BACK: 43° FORTH: 88° |
| HYDRAULIC ROTATION | 360 ° |
| SUCTION CUPS | 4 x ø410 MM |
| BATTERIES | 2 X 150 AH |
| MAX SPEED | 0-5 KPH |




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Available with:
**PSAC** - Proportional Single Axis Control
or **MAC** - Multi Axis Control

# Winlet 785

## Superior lifting capacity and reach

Winlet 785 glazing robot has an impressive reach while the unique double extension of the lifting arm makes the machine extremely compact during transportation.

The glazing robot has a load capacity of 785 kg and has 6 hydraulic functions with both lateral/vertical movement and rotation being hydraulically actuated.

## Maximum safety

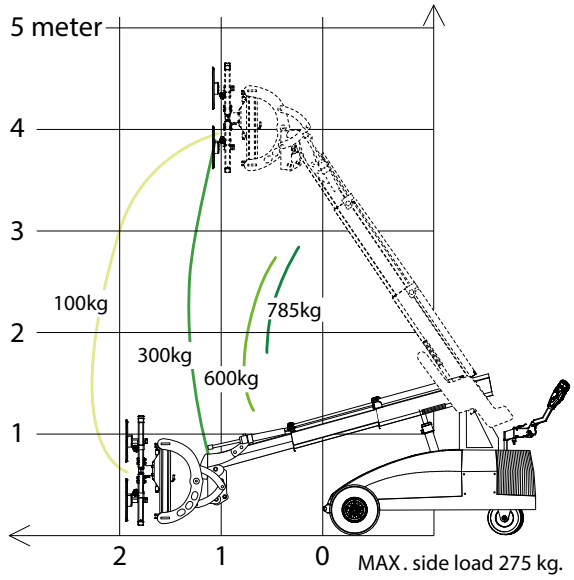
Winlet 785 is equipped with a unique safety monitoring system which means that the position of the machines front is always known and is communicated to the Winlet controller, thereby avoiding dangerous situations.



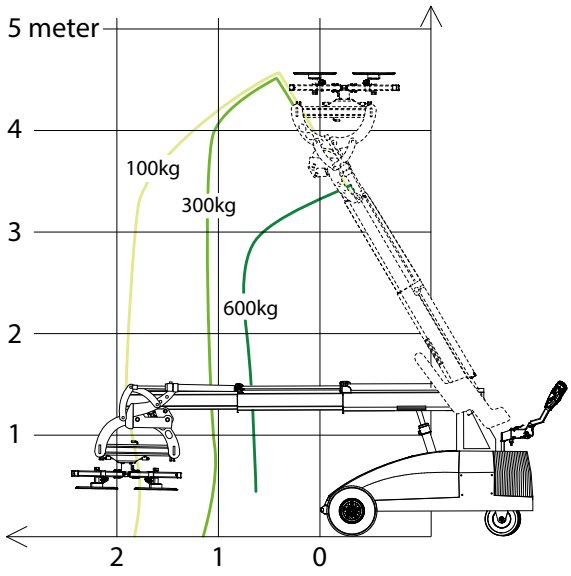



# Winlet 785

## REACH DIAGRAM

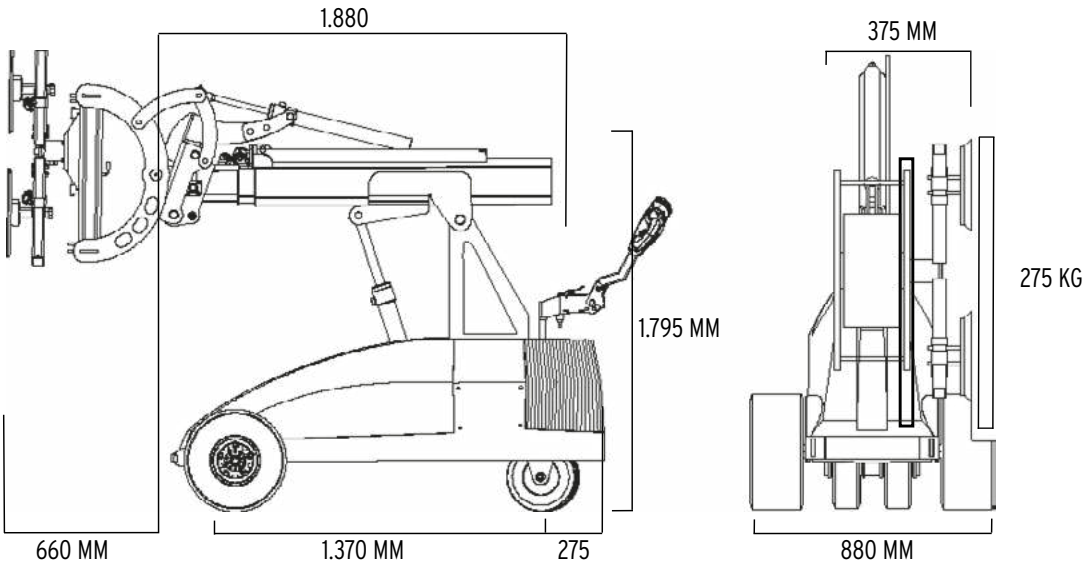



## PICKUP AND PLACE DIAGRAM

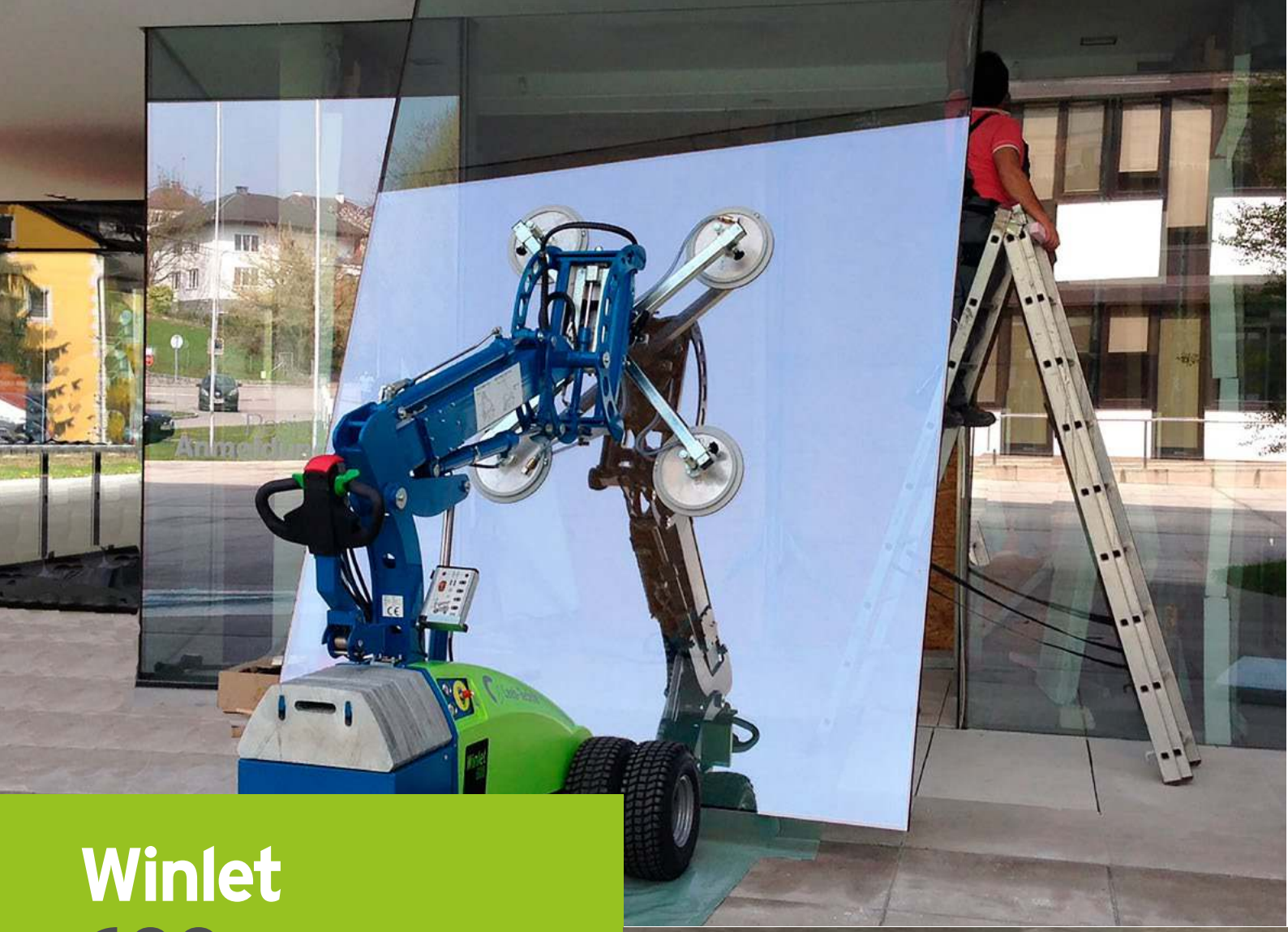



## SPECIFICATIONS*

| | |
|---|---|
| EXTERNAL LENGTH | 1.880 MM |
| EXTERNAL WIDTH | 880 MM |
| MAX LIFTING CAPACITY | 785 KG |
| MAX LOAD AT MAX EXTENSION | 100 KG |
| MAX SIDE MOUNTED LOAD | 275 KG |
| TOTAL WEIGHT excl. counterweights | 1.142 KG |
| TOTAL WEIGHT incl. counterweights | 1.422 KG |
| EXTENSION MIN/MAX - Front bumper to suction cup | 660 MM / 2.500 MM |
| MAX LIFTING HEIGHT - to center of lifting yoke | 3.970 MM |
| HYDRAULIC SIDE SHIFT | 75 MM |
| HYDRAULIC FINE LIFT ON ARM | 200 MM |
| TILT FUNCTION OF THE FRONT - Horizontal arm | BACK: 42° FORTH: 79° |
| HYDRAULIC ROTATION | 360 ° |
| SUCTION CUPS | 4 x ø410 MM |
| BATTERIES | 2 X 150 AH |
| MAX SPEED | 0-5 KPH |




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# Winlet 600

## Minimum space - Maximum capacity

With a load capacity of 600 kg. Winlet 600 is designed to handle heavier windows, sheet glass and other airtight material in the construction industry.

The Winlet 600 has 4 hydraulic functions and a vacuum swivel.

## High precision and power

The unique adjustment options for the suction cups and the linear movements at the front make the Winlet 600 an obvious choice for installation jobs where precision is important, while enabling items of up to 600 kg to be handled without back strain.

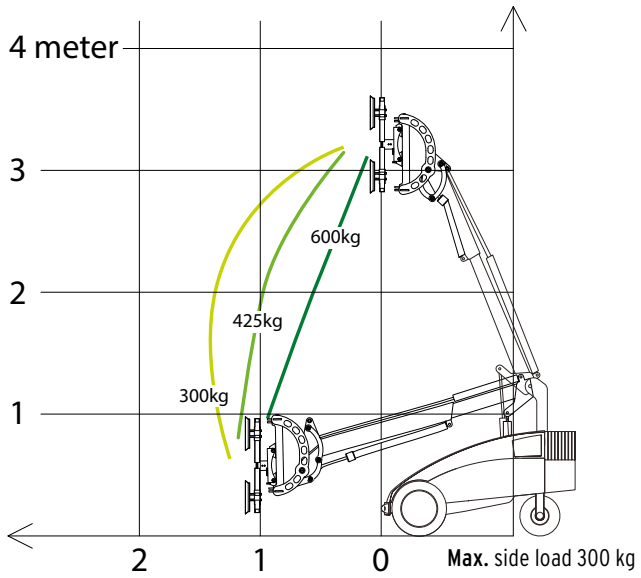
The powerful wheel drive makes Winlet 600 ideal not only indoors but also in outdoor terrain.



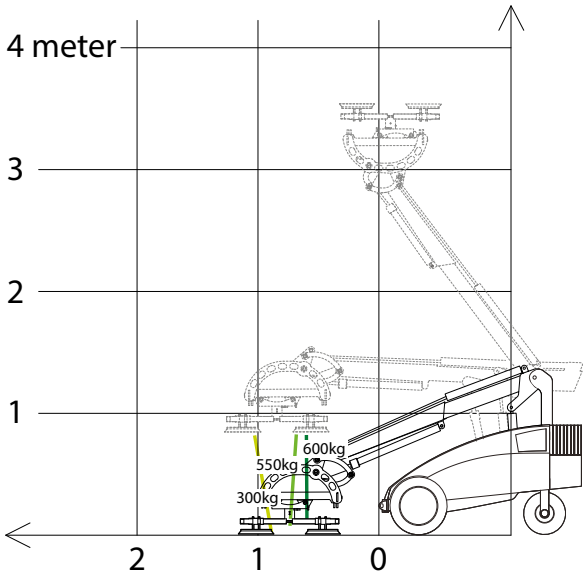


# Winlet 600

## REACH DIAGRAM

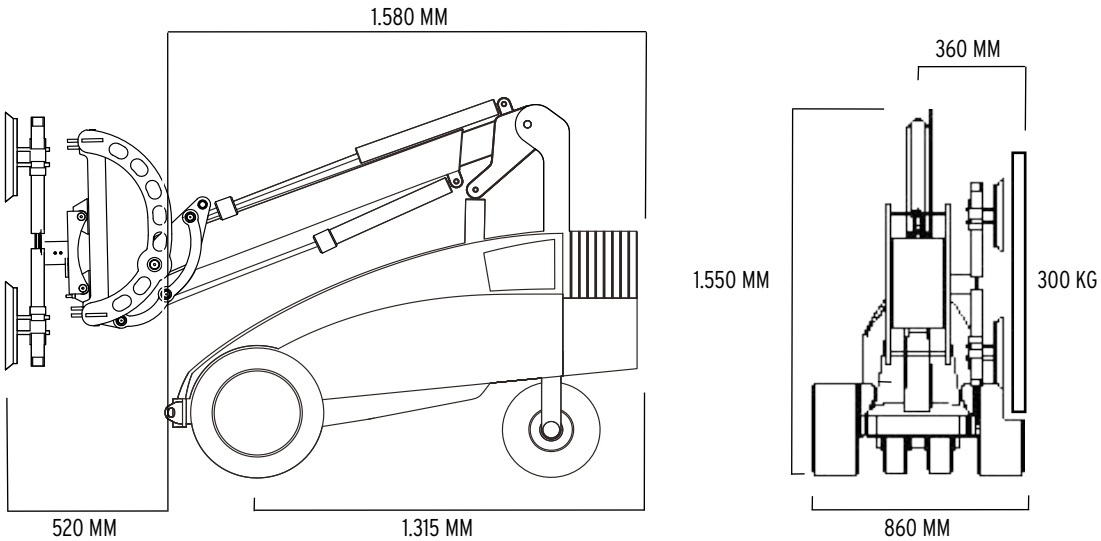



## PICKUP AND PLACE DIAGRAM




## SPECIFICATIONS*

| | | | |
|---|---|---|---|
| EXTERNAL LENGTH | 1.580 MM | MAX LIFTING HEIGHT - to center of lifting yoke | 3.300 MM |
| EXTERNAL WIDTH | 860 MM | SIDE SHIFT | 90 MM |
| MAX LOAD | 600 KG | HYDRAULIC FINE LIFT ON ARM | 190 MM |
| MAX LOAD AT MAX EXTENSION | 300 KG | TILT FUNCTION OF THE FRONT - Horizontal arm | BACK: 30° FORTH: 86° |
| MAX SIDE MOUNTED LOAD | 300 KG | ROTATION | ENDLESS |
| TOTAL WEIGHT excl. counterweights | 865 KG | SUCTION CUPS | 4 X Ø385 MM |
| TOTAL WEIGHT incl. counterweights | 1.060 KG | BATTERIES | 2 X 95 AH |
| EXTENSION MIN/MAX- front bumper to suction cup | 600 MM / 1300 MM | MAX SPEED | 0-5 KPH |




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# Winlet 575

## Minimum space - Fully hydraulic

Winlet 575 is the smallest of our fully hydraulic glazing robots with a load capacity of 575 kg.

Winlet 575 has 6 hydraulic functions, with both lateral/vertical movement and rotation being hydraulically triggered.

The movements of the front of Winlet 575 are 100% linear, which is required by the professional users when, for example, installing glass in prefabricated frames.

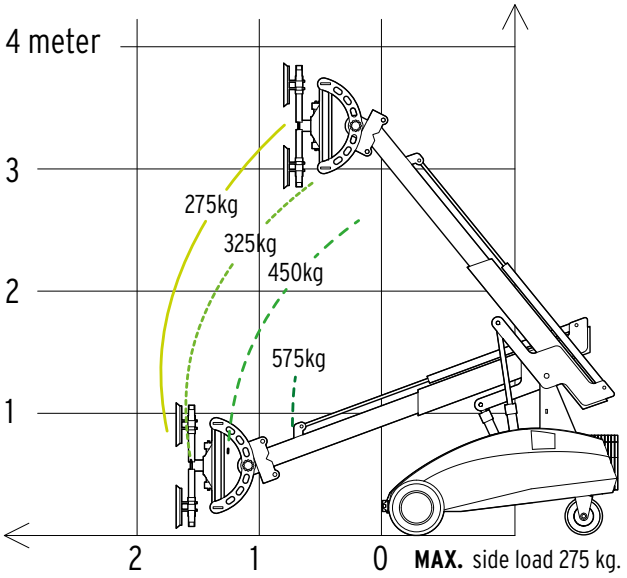
## Safe and precise

Winlet 575 has a unique "gyro function", which ensures that the glass is automatically maintained in the same position when an element is lifted with the main arm.

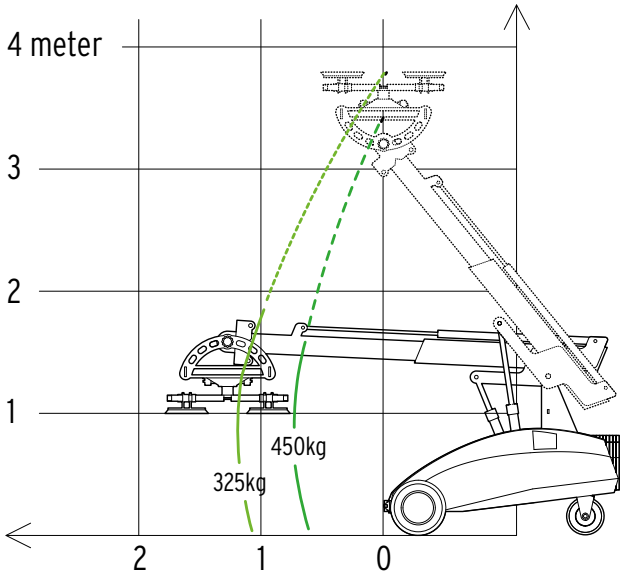


# Winlet 575

## REACH DIAGRAM



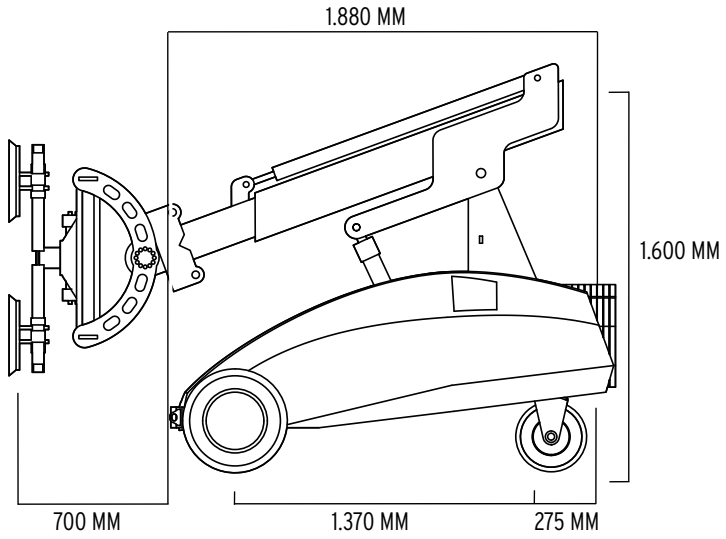

## PICKUP AND PLACE DIAGRAM

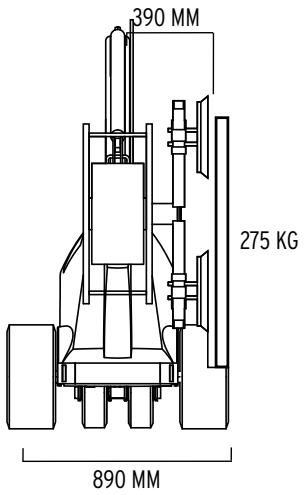



## SPECIFICATIONS*

| | |
|---|---|
| EXTERNAL LENGTH | 1.880 MM |
| EXTERNAL WIDTH | 890 MM |
| MAX LOAD | 575 KG |
| MAX LOAD AT MAX EXTENSION | 275 KG |
| MAX SIDE MOUNTED LOAD | 275 KG |
| TOTAL WEIGHT excl. counterweights | 1.025 KG |
| TOTAL WEIGHT incl. counterweights | 1.300 KG |
| EXTENSION MIN/MAX - Front bumper to suction cup | 700 MM / 1.800 MM |

| | |
|---|---|
| MAX LIFTING HEIGHT - To center of lifting yoke | 3.600 MM |
| HYDRAULIC SIDE SHIFT | 100 MM |
| HYDRAULIC FINE LIFT ON ARM | 200 MM |
| HYDRAULIC ROTATION | 360 ° |
| TILT FUNCTION OF THE FRONT - Horizontal arm | BACK: 60° FORTH: 86° |
| SUCTION CUPS | 4 X Ø350 MM |
| BATTERIES | 2 X 150 AH |
| MAX SPEED | 0-5 KPH |




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# Winlet 400

## Build a glazing robot that fits your tasks exactly

The Winlet 400 series is a range of state-of-the-art glazing robots lifting up to 500 kg. designed to meet all needs during window- and glass installations. In this series of glazing robots, the vital parts of the machine are customized to make sure you get exactly the Winlet 400 you need for your projects.

## 4 main configurations

Over time we have learned that adapting four main parts of the glazing robot to a specific task, will maximize its performance dramatically.

Therefore, we have made it possible to choose between different options within the following four configuration groups: **Wheels, Lifting arm, Front and Control System.**

Our experts are ready to guide you in finding the right model for your projects.





# Winlet 400

NB! Please see our separate brochure for detailed information on each Winlet 400 model

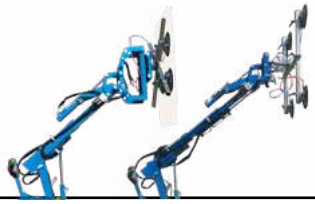
## WHEELS

**CL** (Compact Lifter) = Narrow wheels
**TL** (Terrain Lifter) = Wide wheels



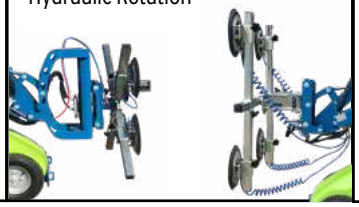
## LIFTING ARM

**SHB** (Single Hydraulic Boom) = 1x500mm extension.
**DHB** (Double Hydraulic Boom) = 2x500mm extension.



## FRONT

**HV** = Hydraulic Vertical lift
**HS** = Hydraulic Side shift
**HS/HR** = Hydraulic Side shift and Hydraulic Rotation



## CONTROL SYSTEM

**PSAC** = Proportional Single Axis Control.
**MAC** = Multi Axis Control.



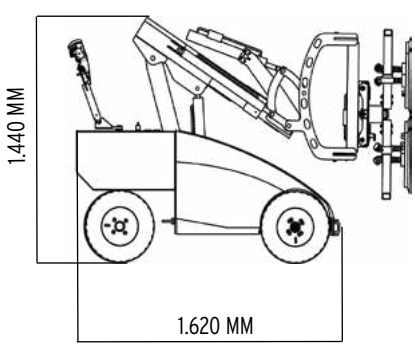
## TECHNICAL OVERVIEW*

| MODEL | MAX LOAD ARM Out / In | MAX SIDE MOUNTED LOAD | MIN/MAX EXTENSION* (Bumper to suction cups) | MAX LIFTING HEIGHT (Vertical cups) | MIN/MAX LIFTING HEIGHT (Horizontal cups down) | MIN/MAX LIFTING HEIGHT (Horizontal cups up) | WEIGHT |
|---|---|---|---|---|---|---|---|
| Winlet 400CL SHB/HV | 200 kg / 400 kg | 200 kg | 458 MM / 958 MM | 2.663 MM | 0 MM / 890 MM | 2.670 MM / 3.078 MM | 900 KG |
| Winlet 400CL DHB/HV | 60 kg / 315 kg | 200 kg | 590 MM / 1.590 MM | 3.190 MM | 0 MM / 910 MM | 2.790 MM / 3.635 MM | 925 KG |
| Winlet 400CL SHB/HS | 250 kg / 460 kg | 200 kg | 318 MM / 818 MM | 2.575 MM | 0 MM / 980 MM | 2.530 MM / 2.938 MM | 875 KG |
| Winlet 400CL DHB/HS | 110 kg / 400 | 200 kg | 450 MM / 1.450 MM | 3.100 MM | 0 MM / 1.065 MM | 2.650 MM / 3.465 MM | 900 KG |
| Winlet 400TL SHB/HV | 225 kg / 410 kg | 200 kg | 458 MM / 958 MM | 2.663 MM | 0 MM / 890 MM | 2.670 MM / 3.078 MM | 912 KG |
| Winlet 400TL DHB/HV | 85 kg / 345 kg | 200 kg | 590 MM / 1.590 MM | 3.190 MM | 0 MM / 910 MM | 2.790 MM / 3.635 MM | 937 KG |
| Winlet 400TL SHB/HS | 285 kg / 500 kg | 200 kg | 318 MM / 818 MM | 2.573 MM | 0 MM / 1.192 MM | 2.530 MM / 2.938 MM | 887 KG |
| Winlet 400TL DHB/HS | 130 kg / 415 kg | 200 kg | 450 MM / 1.450 MM | 3.100 MM | 0 MM / 1.065 MM | 2.650 MM / 3.465 MM | 912 KG |
| Winlet 400TL DHB/HS/HR | 130 kg / 415 kg | 200 kg | 450 MM / 1.450 MM | 3.100 MM | 0 MM / 1.065 MM | 2.650 MM / 3.465 MM | 942 KG |
| | | | | | | | |

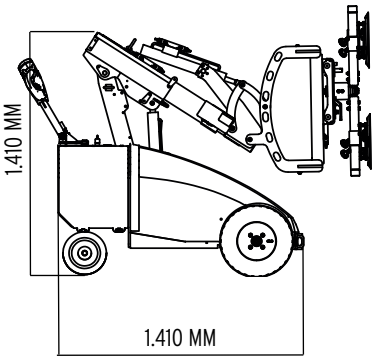
## SPECIFICATIONS*

| | | | |
|---|---|---|---|
| SIDE SHIFT - 100% linear movements | 100 MM | OPERATING HOURS - On fully charged batteries | 12 HOURS |
| HYDRAULIC FINE LIFT - Only relevant on HV front | 200 MM | MAX SPEED | 0-5 KPH |
| ROTATION OF FRONT** | 360 ° | SUITABLE FOR OUTDOOR USE - Water resistant | YES |
| FRONT WHEEL DRIVE - 24V AC transaxle | 1200 W | INTEGRATED LIFTING EYE - For lifting of the Winlet | YES |
| SUCTION CUPS | 4 X Ø310 (Ø360 / Ø410 MM***) | BATTERIES | 2 X 90 AH |

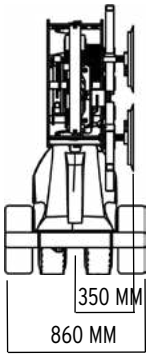
**TL - Terrain Lifter**



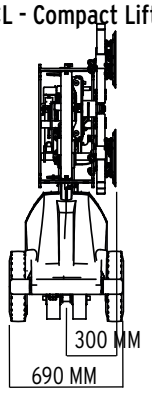

**CL - Compact Lifter**




**TL - Terrain Lifter**




**CL - Compact Lifter**




**The dimensions are indicative and may vary +/- 10mm. The photographs and/or drawings in this document are for illustrative purposes only.*
***Winlet 400TL DHB HS HR with hydraulic rotation*
****Optional*




# Winlet 375

## Maximum capacity - minimum space

Winlet 375 combines superior lifting capacity and reach with a unique and compact design.

With Winlet 375, you can handle heavy elements up to 375 kg bringing it through rough terrain and narrow doorways.

Due to the compact design, confined spaces such as elevators and balconies are no problem for Winlet 375.

## Low weight

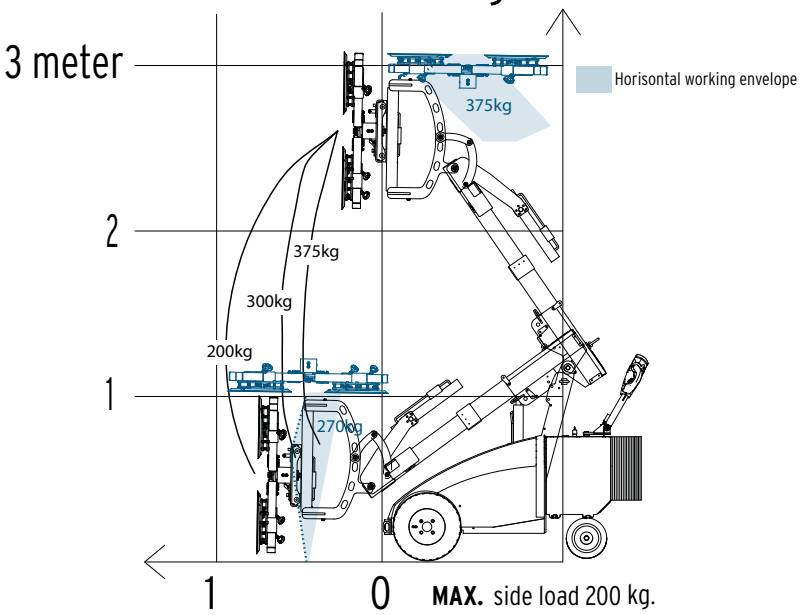
The low weight of Winlet 375 makes it possible to use it where heavier construction equipment cannot be used due to surface pressure.



# Winlet 375



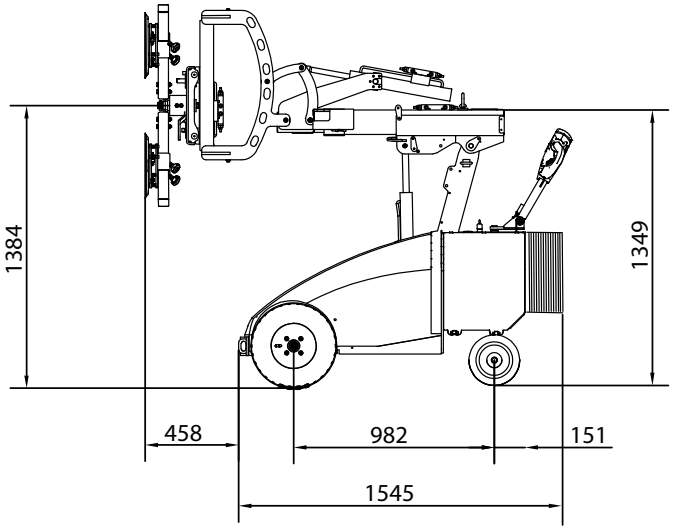
## WINLET 375 **MAX.** LOAD kg.

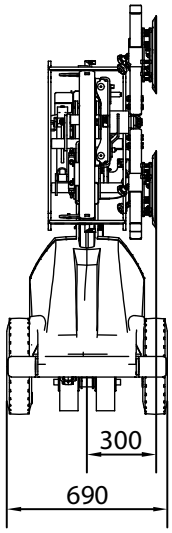



## SPECIFICATIONS*

| | |
|---|---|
| EXTERNAL LENGTH | 1.545 MM |
| WIDTH - Single mounted tires | 690 MM |
| WIDTH - Twin mounted tires | 920 MM |
| TOTAL WEIGHT - Excl. Counterweights | 578 KG |
| TOTAL WEIGHT - Incl. Counterweights | 732 KG |
| MAX LOAD ARM IN/OUT | 375 KG/ 200 KG |
| MAX SIDE MOUNTED LOAD | 200 KG |
| EXTENSION MIN/MAX - Front bumper to suction cup | 458 MM / 958 MM |
| LIFTING HEIGHT MIN/MAX - Horizontal cups down | 0 MM / 890 MM |
| LIFTING HEIGHT MIN/MAX- Horizontal cups up | 2.670 MM / 3.078 MM |
| MANUAL SIDE SHIFT | 100 MM |

| | |
|---|---|
| HYDRAULIC FINE LIFT ON ARM | 200 MM |
| TILT FUNCTION OF FRONT - Horizontal arm | BACK: 45° FORTH: 97° |
| ROTATION | ENDLESS |
| SUCTION CUPS | 4 X Ø310 MM (Ø360/Ø410 MM)** |
| FRONT WHEEL DRIVE - 24v AC transaxle | 1200W |
| MAX SPEED | 0-5 KPH |
| BATTERIES | 2 X 90 AH |
| OPERATING HOURS- On fully charged batteries | 12 HOURS |
| SUITABLE FOR OUTDOOR USE- Water resistant | YES |
| INTEGRATED LIFTING EYE- For lifting of the Winlet | YES |




**The dimensions are indicative and may vary +/- 10mm. The photographs and/or drawings in this document are for illustrative purposes only.*

***Optional*

# Winlet 350TH

## Flexible and fast

Winlet 350TH is used for installation of windows in buildings, where the standard Winlet cannot be used due to height or where site conditions make maneuverability difficult.

Winlet 350TH is available with fork pockets which are appropriate for all machines or with Quick Shift for Telehandler. In addition, the Winlet 350TH has a hydraulic system which makes it independent from the Telehandler.

## Maximum capacity and safety

Winlet 350TH has no less than 350 kg lifting capacity and a 2-circuit vacuum system which provides great security.

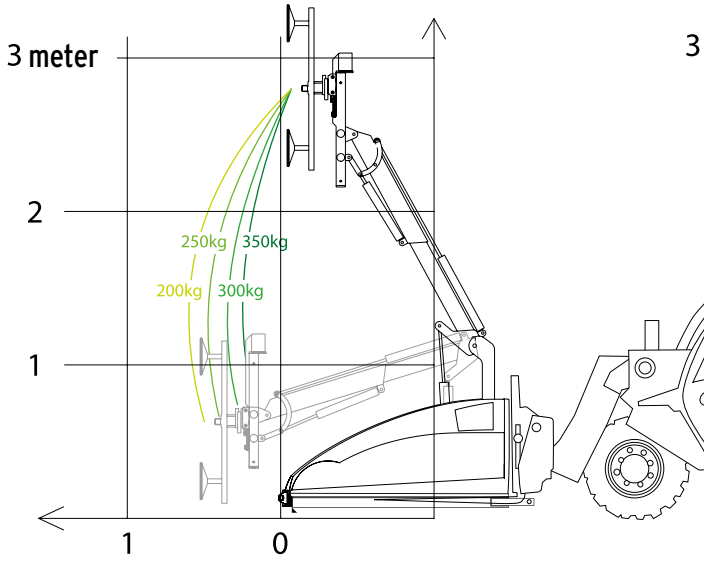
The impressive 500 mm telescopic feature allows mounting of elements in places where other machines give up.



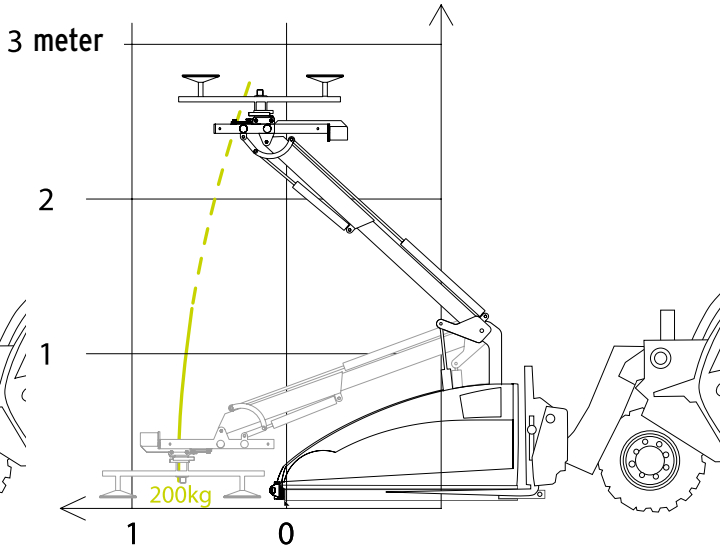



# Winlet 350TH

## REACH DIAGRAM

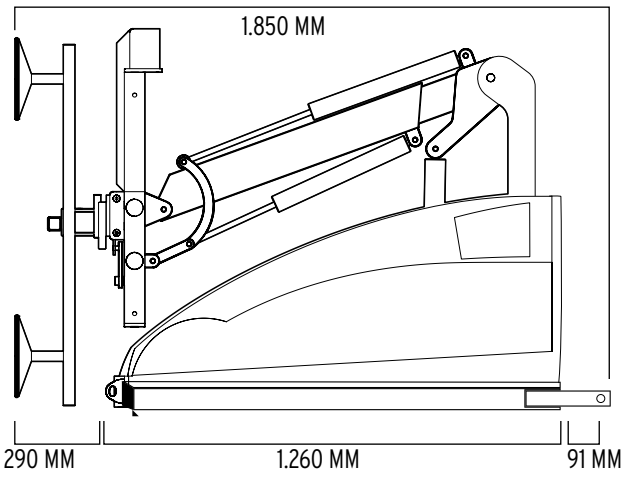


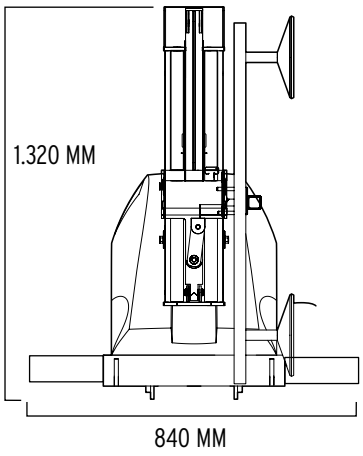

## PICKUP AND PLACE DIAGRAM




## SPECIFICATIONS*

| | | | |
|---|---|---|---|
| EXTERNAL LENGTH | 1.850 MM | LIFTING FORK HEIGHT | 70 MM |
| EXTERNAL WIDTH | 840 MM | LIFTING FORK WIDTH | 150 MM |
| MAX LOAD | 350 KG | CENTER DISTANCE (CC) - Between lifting forks | 640 MM |
| MAX LOAD AT MAX. EXTENSION | 200 KG | SIDE SHIFT | 100 MM |
| MAX SIDE MOUNTED LOAD | 200 KG | HYDRAULIC FINE LIFT ON ARM | 500 MM |
| WEIGHT | 400 KG | ROTATION | ENDLESS |
| EXTENSION MIN/MAX- Front bumper to suction cup | 290 MM / 790 MM | SUCTION CUPS | 6 X Ø270 MM |
| MAX LIFTING HEIGHT - From forklift to center lifting beam | 2.700 MM | BATTERIES | 2 X 95 AH |




** The dimensions are indicative and may vary +/- 10mm. The photographs and/or drawings in this document are for illustrative purposes only.*



**Lasius...?**

Lasius is a Latin name for a species of ant. As we all know, ants are small, can get through the smallest passages with everything they can carry, and despite their size, are very strong. Winlet Lasius has the same characteristics – and hence the name.

# Winlet Lasius 1t

## New opportunities - new savings

Winlet Lasius 1t gives traditional crane and handling solutions tough competition. Its unique performance results in savings in time and invested capital.

Winlet Lasius 1t is ideal for:

- Erecting steel beams and other building elements
- Glass and facade installation
- Machine assembly
- Repair work
- Packing of non-palletized goods in containers

The compact design makes it possible to reach where other heavier and bigger machines have to give up, due to their physical size, surface pressure, turning radius or low lifting capacity on the move.

Winlet Lasius 1t runs with a maximum permitted speed of 4.2 kph - double that of mini cranes on tracks for example, and neither does it need to be levelled by outrigger legs like most mini cranes.

Because the Winlet Lasius 1t is battery-powered and therefore does not emit harmful exhaust gases, it can be used indoors with no environmental problems.



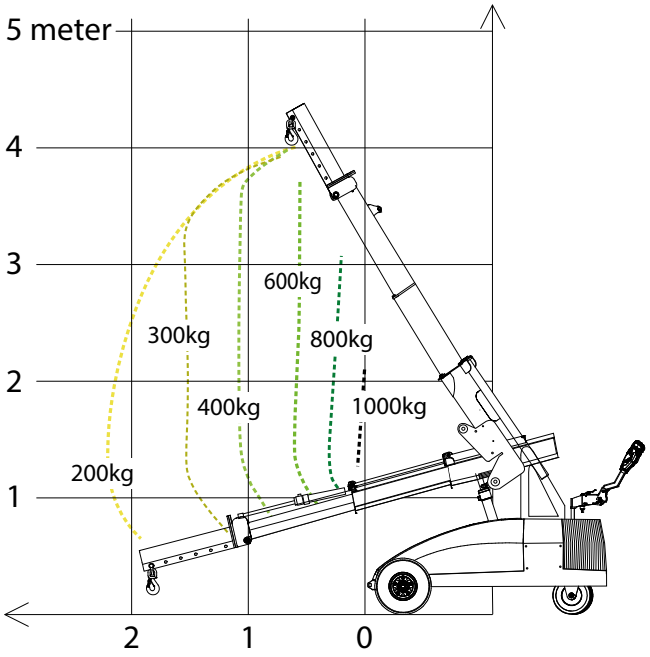


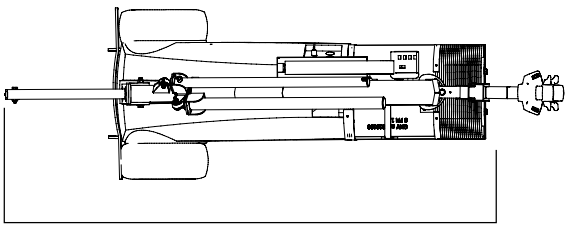
# Winlet Lasius 1t

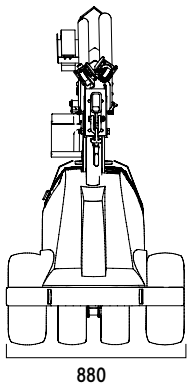
## SPECIFICATIONS*

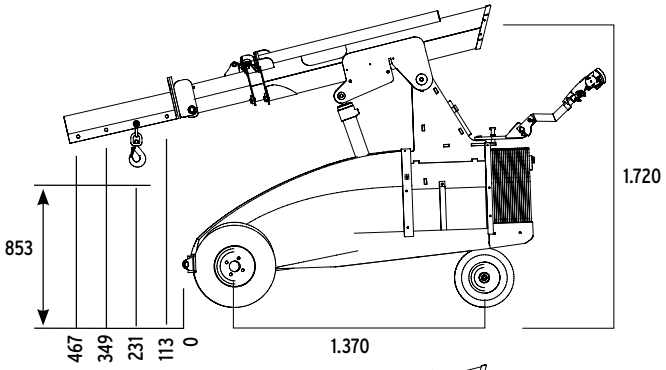
| | |
|---|---|
| EXTERNAL LENGTH | 2.500 MM |
| EXTERNAL WIDTH | 880 MM |
| MAX LIFTING CAPACITY | 1.000 KG |
| MAX LIFTING HEIGHT | 4.000 MM |
| MAX SPEED | 0-4.2 KPH |
| TOTAL WEIGHT excl. counterweights | 1.050 KG |
| TOTAL WEIGHT incl. counterweights | 1.325 KG |
| BATTERIES | 2 x 150 AH |
| OPERATING HOURS - On fully charged batteries | 12 HOURS |
| CHARGING TIME | 8-10 HOURS |

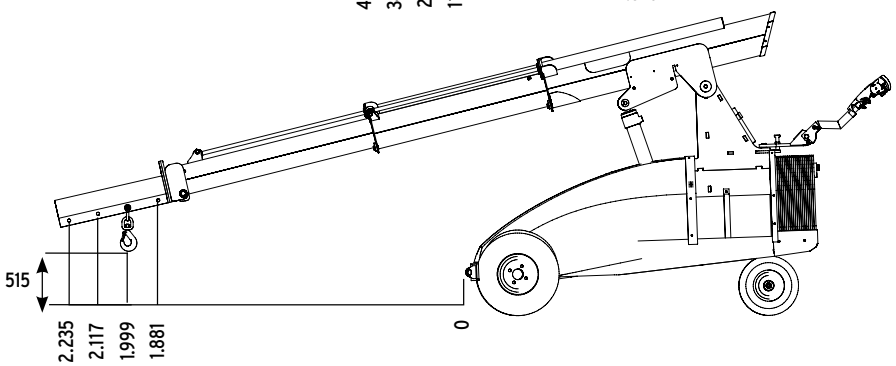
## LIFTING DIAGRAM **MAX**. LOAD 1.000 KG




** The dimensions are indicative and may vary +/- 10mm. The photographs and/or drawings in this document are for illustrative purposes only.*

# Winlet - Superior usability




## User friendly operating panels of your choice

Choose between two different types of operating panels for your Winlet:

1. **MAC (Multi Axis Control),** which allows controlling of more hydraulic functions at a time. The operator can adjust the speed at the levels: 10 % - 50 % - 100 %.

2. **PSAC (Proportional Single Axis Control)**, the traditional Winlet controls, where one function is operated step-less.

If you need to control the Winlet from a distance, we recommend our radio remote control.

All operating panels are waterproof, according to the IP65 regulations.

## Safety first!

All Winlets are equipped with a state-of-the-art overload monitoring system, which continuously measures the point loading on the steering wheels. If point loading is getting too low the system will automatically cut off the hydraulic functions and only allow hydraulic cylinders to bring the load closer to the machine.



# Winlet accessories










## Make the most of your Winlet

Winlet comes with a wide range of accessories.
Here is a few of our most popular items:

- **LIFTING FORK & LIFTING HOOK**
  - for lifting of pallets or with straps
- **LIFTING SLING**
  - for lifting the Winlet by crane
- **SHUT-OFF VALVES**
  - on suction cups
- **QUICK CONNECTORS**
  - on suction cups or main supply
- **EXTENSION OF THE BEAMS**
  - customized cross - and main beams
- **RADIO REMOTE CONTROL**
- **QUICK SHIFT FOR TELEHANDLER**

Please consult our experts to find the right accessories for your project.

## Lifts all airtight material

All Winlet glazing robots can easily be adapted to lift a wide range of materials by changing the suction cups. This makes Winlet ideal when handling:

GRANITE
CONCRETE
PLASTERBOARDS
STEEL PLATES
WOODEN PLATES
TILES
FIRE DOORS

# With GMV you also get...




## Ergonomic and effective handling of plasterboards and other building materials with ErgoMover

ErgoMover is the original electric transport trolley designed to cope with heavy loads on site. The ErgoMover is designed to transport and handle full stacks of plasterboards and to transport all other building materials in spaces where it is not possible to use forklift trucks or other machines equipped with forks.






# With GMV you also get...



## GMVs Handling products are designed to assist manual heavy lifting in the industry

GMV assists manual heavy lifting in all industries. We either base our solutions on products from the many foreign manufacturers for which we act as dealers or on our own products developed in-house from our vast experience gained over more than 30 years. When a standard solution does not match the specific task, our engineering team will design a customized solution in consultation with the customers.





The company GMV A/S was founded in 1988. In 2008, the company was taken over by Jesper Faurskov and Erik Pedersen. The vision of GMV is:

*GMV must be at the cutting edge of market needs and match these needs by developing unique technical solutions which aid heavy manual lifting in a modern design.*

**A HEALTHY WORKING ENVIRONMENT MEANS HAPPY EMPLOYEES**
GMV provides solutions for heavy manual lifting for the building and manufacturing industries.

**CONSULTING, ENGINEERING, AND PLANNING**
We are with you from start to finish. We provide qualified advice and listen to your needs.

**THE MARKETS BEST SOLUTIONS AND PRODUCT BRANDS**
We provide innovative solutions that suit your needs.

**LOCAL COMPANY WITH GLOBAL SALES**
With our strong dealer network, we sell products worldwide.

**EDUCATION AND SERVICE**
Our highly trained experts guide and instruct distributors and end users.

**ASSEMBLY AND MAINTENANCE CHECK**
Our strong team is responsible for assembly and service, both locally and internationally.

**PRODUCT DEVELOPMENT**
GMV develops products from scratch. Focus is always on providing a good working environment.

**MODERN INDUSTRIAL DESIGN**
Our award-winning Danish design is combined with unique technical solutions for both the building and manufacturing industries.

**DANISH PRODUCTION LINE ACCORDING TO EUROPEAN STANDARDS**
We have our own local production and use local suppliers. This ensures local jobs and high quality.

**THOROUGH FACTORY TESTING AND DOCUMENTATION**
All our products undergo rigorous testing before leaving the factory and comprehensive technical documentation always accompanies our products.

**TRAINING FOR SERVICE TECHNICIANS**
To ensure that our products will last as long as possible and that local laws are respected, we conduct thorough training with your service technicians - both nationally and internationally.




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