

# SC

## Mast climbing work platform **Tango SC3500**

Tango SC3500 is a mid-weight mast climbing work platform for sites with limited space. With a load capacity of up to 3900 kg, and a climbing rate of 6 meters per minute, it is the perfect tool for any facade work that requires light to medium lifting capacity – whether for new construction or restoration.



# **SCANCLIMBER®**

# Tango SC3500

## Properties

**THE ELECTRICALLY-DRIVEN** Tango SC3500 mast climbing work platform is a middle weight lifting machine and a working platform – all in one package.

Tango is specifically designed for building and restoration projects where the operation space is scarce, required lifting capacity varies between 1 to 4 tonnes and building heights are less than 100 meters. Higher masts can be erected with special arrangements.

## Multi-Use

**SC3500 COMBINES** low ownership costs with versatility, reliability and safety. It is the ideal access solution for a wide variety of trades: glazing, EIFS, painting, roofing, caulking, restoration, inspection, cleaning, maintenance, etc. Compact and highly adaptable, the SC3500 offers platform extensions to achieve a number of configurations that accommodate various facades.

## Rack-and-Pinion System

**THE RACK-AND-PINION SYSTEM** is used for driving the platform up and down and for maximizing the load-to-speed ratio. Motors are linked to a sophisticated sensor system which ensures safe movement of the platform in all circumstances.

## Single and Twin

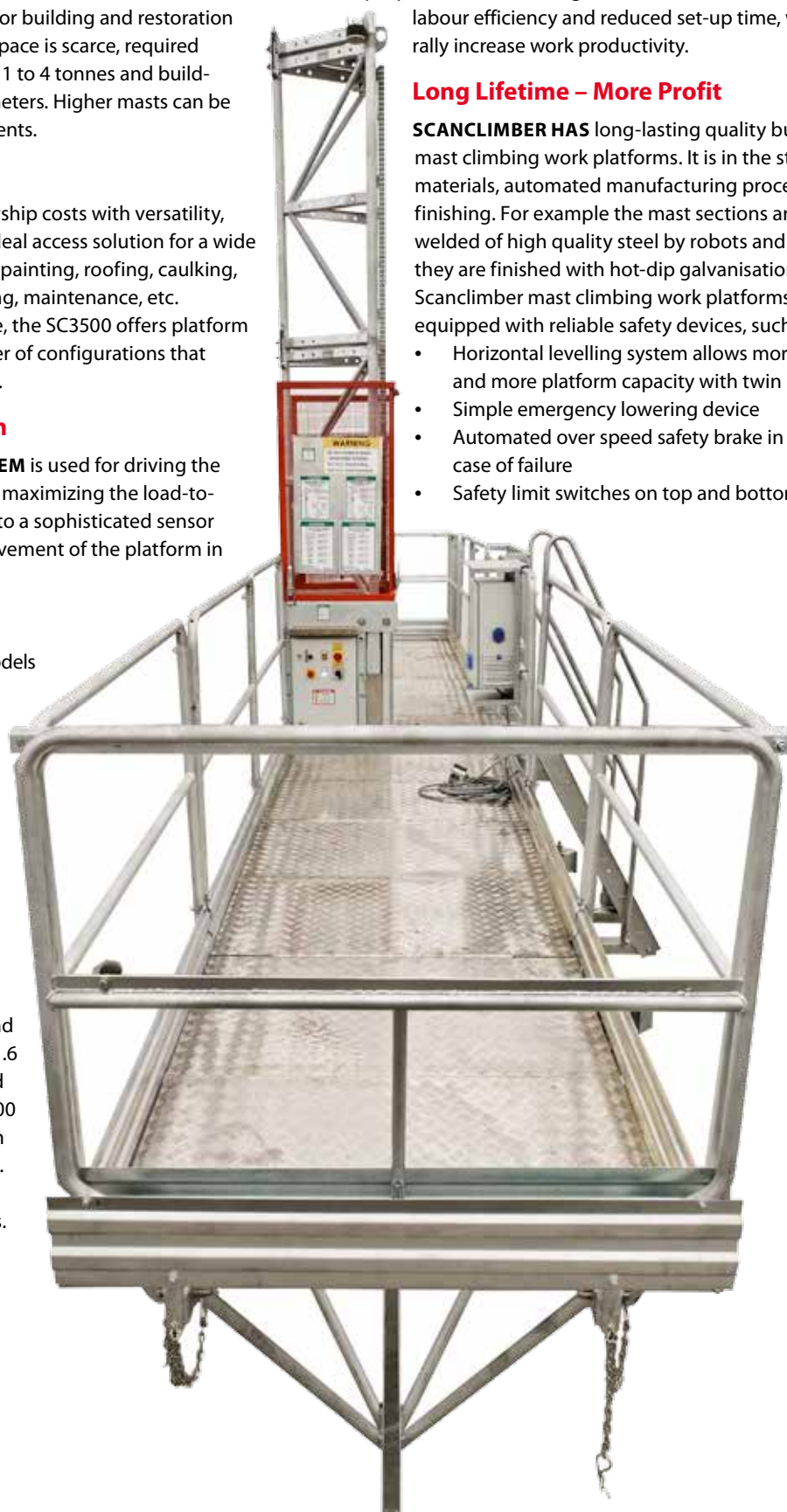
**THE SC3500 FEATURES** two models which offer different levels of performance to accommodate unique project needs and budget considerations. The platform can be configured with single or twin masts, depending on the platform capacity needs. The twin mast arrangement allows higher load capacities and greater platform lengths. The single mast version can take payloads up to 2100 kg and platform lengths from 5.6 to 11.6 meters. The maximum payload for the twin mast version is 3900 kg and the platform length can be increased up to 32.1 meters. If needed it is possible to use a twin as two separate machines.

**TANGO'S 1.3-METER** wide platform provides enough space for workers to perform their job in comfort but requires only little room on site. An electrically-powered lifting mechanism drives the platform at the speed of 6 meters per minute with a simple push button. All Tango features contribute to better labour efficiency and reduced set-up time, which naturally increase work productivity.

## Long Lifetime – More Profit

**SCANCLIMBER HAS** long-lasting quality built in to its mast climbing work platforms. It is in the structure, raw materials, automated manufacturing processes and finishing. For example the mast sections are precision welded of high quality steel by robots and when ready they are finished with hot-dip galvanisation. All Scanclimber mast climbing work platforms are equipped with reliable safety devices, such as:

- Horizontal levelling system allows more stability and more platform capacity with twin masts
- Simple emergency lowering device
- Automated over speed safety brake in case of failure
- Safety limit switches on top and bottom







## Details

### Minichassis

**1 TANGO COMES** with a mini chassis as standard. As an option the mini chassis can be equipped with outriggers to increase stability and reach greater free-standing mast heights.

### Safety brake

**2 A MECHANICAL**, centrifugal safety brake is a standard feature on all Scandclimber mast climbing work platforms. It improves user safety, increases operational reliability and reduces the risk of breakdown. The safety brake is protected from dust and dirt.

### Outlet for hand tools

**3 HAND TOOLS** or other electrical devices can be plugged in the outlet sockets on the platform. It is a handy way to use electrical tools on the platform without impractical extension cables.

### Automatic levelling system

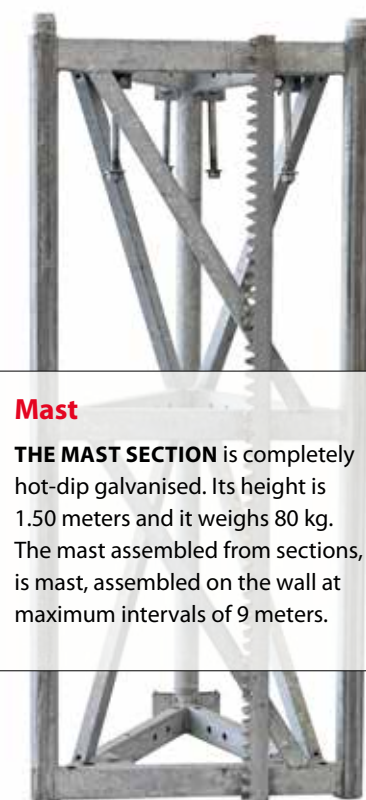
**4 A TWIN VERSION** Tango comes with an automatic levelling system. This highly reliable system controls the platform drive precisely and ensures that the platform is always horizontally levelled.

### Emergency lowering system

**5 A PLATFORM** without power can be manually lowered to the ground. This feature is incorporated to provide a means of returning the platform in the event of a power failure.

### Hot-dip galvanisation

**6 ALL THE MAIN PARTS** in Tango's structure are hot-dip galvanised. So the surfaces are easy to keep clean and also protected from corrosion. Galvanisation ensures a long life-time for the machine in any weather conditions.



### Mast

**THE MAST SECTION** is completely hot-dip galvanised. Its height is 1.50 meters and it weighs 80 kg. The mast assembled from sections, is mast, assembled on the wall at maximum intervals of 9 meters.

# Technical Data



	Single mast SC3500	Twin mast SC3500
Maximum platform length / loading capacity	5.6 m / 2100 kg 7.0 m / 2050 kg 8.6 m / 1900 kg 10.0 m / 1850 kg 11.6 m / 1700 kg	12.5 m / 3900 kg 17.1 m / 3600 kg 20.1 m / 3500 kg 21.6 m / 3450 kg 23.1 m / 3400 kg 26.1 m / 3100 kg 32.1 m / 2500 kg
Maximum free-standing height - with outriggers on both sides	6 m	6 m
Maximum height with mast anchored	150 m (higher mast by request)	150 m (higher mast by request)
Distance between anchors	9 m	9 m
Lifting speed	6 m / min	6 m / min
Mast section, hot-dip galvanised	1.5 m / 80 kg	1.5 m / 80 kg
Electric system - lifting motors	2x400 V/50 Hz/2.2 kW, 3 phase/32 A	4x400 V/50 Hz/2.2 kW, 3 phase/32 A
Safety devices - overspeed safety brake - emergency stop and limit switches - electromagnetic brake - phase sequency relay - residual current device	◆ ◆ ◆ ◆ ◆	◆ ◆ ◆ ◆ ◆



Scanclimber is the world's technology leader in mast climbing equipment for both temporary and permanent installations. The company has its corporate head office in Pirkkala, Finland, and manufacturing in Gniezno, Poland.

The company employs more than 200 people in Europe and Asia. Scanclimber creates value for its customers with high quality, reliable and flexible vertical access solutions.

## SCANCLIMBER®

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