

# infinity *Scaffold*

## Mast climbing work platform **SC8000**

Infinity's Mast Climbers are **fast, quiet** and **cold weather reliable**. It is the perfect choice for heavy-duty facade work, and projects requiring a large working platform. The SC8000 moves workers, tools and building materials at the fastest speed in class.



# Infinity's SC8000

## Improved productivity and ergonomics for heavy-duty tasks

**RACK AND PINION DRIVEN** SC8000 mast climbing work platform is a robust lifting machine as well as a working platform - all in one convenient package. You can lift materials and workers to the desired working height safely and conveniently at the same time. It is ideal for heavy-duty facade work, and for projects requiring extra-large platform size. A mast climbing work platform saves time and money at work sites.

**WORK PRODUCTIVITY** can be easily improved by one-third with a mast climbing work platform. Two people working on the platform can achieve the same results as four workers working on traditional scaffoldings. The mast climbing work platform reduces and speeds up considerably the time-consuming up and down travel during working days.

**THE MAST CLIMBING WORK PLATFORM** is a perfect platform for all facade renovation work and different installations. Work can always be conducted at an ergonomically ideal height. If necessary, the platform can be protected from wind and rain, and even be heated, which guarantees continuation of work also during cold seasons. A mast climbing work platform is an economical and time-saving solution, for example, in the following work:

- Facade renovations
- Chimney repair & maintenance
- Bricklaying and tiling
- Painting and plastering
- Balcony renovations
- Window installations
- Dock work.

## Stable and secure platform guarantees loading capacity of up to 17620 lbs

**THE LOADING CAPACITY** is 9910 lbs for a single mast SC8000 and 17620 lbs for a twin mast arrangement. With a full 55 ft platform a single mast machine is able to lift 6160 lbs. Using a twin mast arrangement the platform can be extended up to 151 ft, the lifting capacity thus being 2200 lbs. Swivelling telescopic outriggers of the wheel chassis allow the chassis' support points to be spread far apart. This enables great free-standing heights. A maximum free-standing height of a SC8000 mast climbing work platform is 62 ft. When anchored with standard parts at constant intervals the mast can reach up to a height of 490 ft. Special anchoring allows even greater heights with no limits.

**SURROUNDING RAILINGS** of Scanclimber mast climbing work platforms naturally increase safety at work. The platform is also equipped with fastening points for safety harnesses. These safety features effectively minimise injuries incurred by slipping or falling at work site. All Scanclimber mast climbers are safety-approved worldwide. A strong safety brake provides additional level of protection.

**THE MODULAR DESIGN** enables the use of same parts and components with different Scanclimber models. The platform is easy and quick to erect and assemble manually, and to transfer to a new location, when necessary. The mast section weighs 180 lbs and the platform module around 290 lbs. The material of the mast and platform is hot-dip galvanized steel. The platform floor is made of rigid aluminum sheet. Since the mast climber can be dismantled into modules, it is easy to store and requires little space.

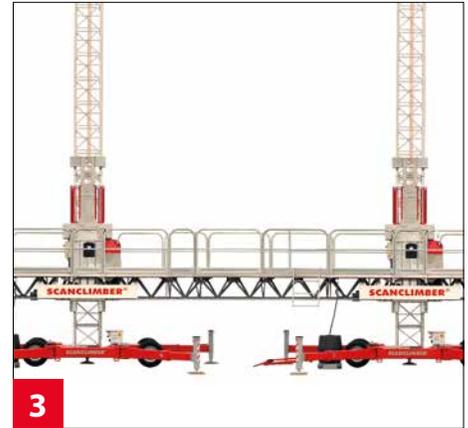




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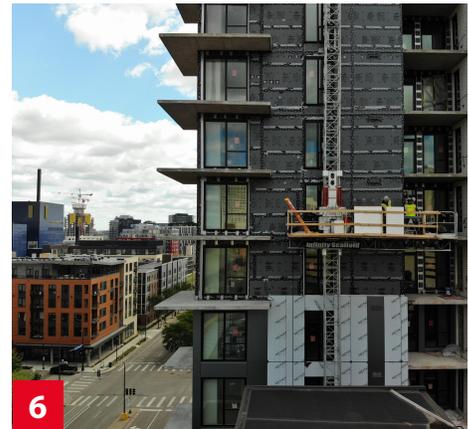
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# Details

## Safety brake

**1 A MECHANICAL**, centrifugal safety brake is a standard feature on all Scancrawler 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.

## Anchor

**2 A ROBUST PLATFORM** requires sturdy anchoring. SC8000's mast is mounted on a vertical surface with Maxi anchors, which are considerably stronger and sturdier compared to traditional anchors. An extra-strong anchor allows anchoring distance of up to 60 ft, which speeds up the mast erection and yields savings.

## Twin masts

**3 A TWIN MAST ARRANGEMENT** makes Add another mast and the maximum platform length jumps from 55'-5" to 151'-7". Also the maximum loading capacity is increased to 17,620 lbs.

## Chassis

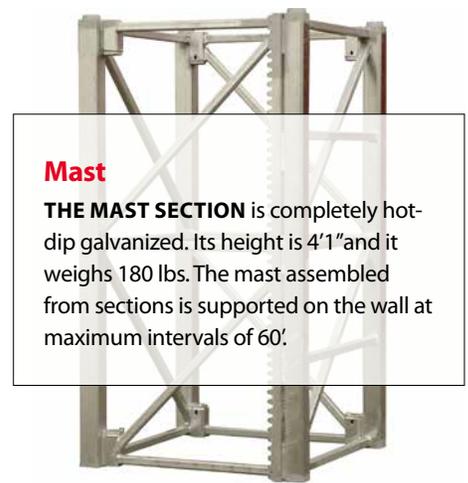
**4 SC8000** is available with a wheel chassis or mini-chassis. An SC8000 on a wheel chassis can be moved around a work site with its own electric motor, or it can also be towed using towing bars. The wheel chassis has swivelling telescopic outriggers that can be adjusted in several positions to support the mast climbing work platform. The outriggers allow the machine standing on the wheel chassis to be erected without anchoring. The largest free-standing heights are: 62 ft with a single arrangement and 59 ft with a twin mast.

## Extensions

**5 WITH ADJUSTABLE** extensions the platform can be increased to 20 ft. The extensions allow you to work behind or around different corners. Using a brick laying extension the working platform can be lowered 2'-3" below the platform level, in which case the materials on the platform are at a suitable height for bricklaying trade.

## Balcony Battlehorse

**6 EXTEND BETWEEN** balconies and make your platform as customized as your work. Add in the fact that Infinity's labor team installs and adjusts the SC8000 platform for you so that your crew can focus on your own work.



## Mast

**THE MAST SECTION** is completely hot-dip galvanized. Its height is 4'1" and it weighs 180 lbs. The mast assembled from sections is supported on the wall at maximum intervals of 60'.

# Technical Data



|  | Single mast SC8000   | Twin mast SC8000   |
|--|--|--|
| Maximum platform length / loading capacity | 13'4" / 9910 lbs<br>23'10" / 9030 lbs<br>34'4" / 8140 lbs<br>44'11" / 7150 lbs<br>55'5" / 6160 lbs | 51'10" / 17620 lbs<br>67'7" / 17180 lbs<br>83'4" / 15850 lbs<br>99'1" / 12330 lbs<br>114'10" / 10130 lbs<br>133'2" / 7920 lbs<br>151'7" / 2200 lbs |
| Maximum freestanding height                |  |  |
| - with extended outriggers on both sides   | 30'-62'*   | 30'-59'*   |
| - with extended outriggers on one side     | 30'-50'*   | 30'-50'*   |
| Maximum height with top anchor             | 82'  | 82'  |
| Maximum height with mast anchored          | 490' (higher mast by request)  | 490' (higher mast by request)  |
| Distance between anchors                   | 60'  | 60'  |
| Lifting speed                              | 20' / min  | 20' / min  |
| Mast section, hot-dip galvanized           | 4'1" / 180 lbs   | 4'1" / 180 lbs   |
| Electric system                            |  |  |
| - lifting motors                           | 2x208 V/60 Hz/3 kW, 3 Phase/30 A   | 4x208 V/60 Hz/3 kW, 3 Phase/30 A   |
| Safety devices                             |  |  |
| - overspeed safety brake                   | ◆  | ◆  |
| - emergency stop and limit switches        | ◆  | ◆  |
| - electromagnetic brake                    | ◆  | ◆  |
| - phase sequency relay                     | ◆  | ◆  |
| - residual current device                  | ◆  | ◆  |

\* depending on the platform length



Infinity Scaffold, Inc. is proud to be the Midwest supplier for Scanclimber Products

**SCANCLIMBER**<sup>®</sup>  
by Tractel<sup>®</sup>

