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Mast climbing work platform **Monster SC8000**

Scanclimber SC8000 is the right tool when the capacity and platform size of other mast climbing work platforms are not sufficient. It is a perfect choice for heavy-duty facade work, and for projects requiring large platform size.

Depending on the required loading capacity and platform length, it can be used as a single or a twin mast arrangement. SC8000 moves workers, tools and building materials to the desired height at a single lift.

Rack and pinion driven mast climbing work platform saves time and money at work sites.



SCANCLIMBER®

Monster 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.

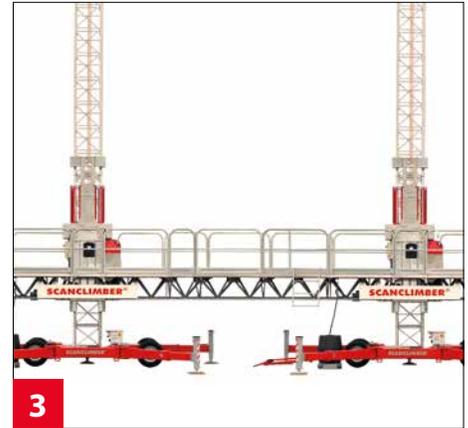




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Details

Safety brake

1 A MECHANICAL, centrifugal safety brake is a standard feature on all Scanclimber 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 SC8000 even more robust and allows the platform length to be nearly tripled from 55'5" to 151'7". Also the maximum loading capacity can be nearly doubled, if necessary, from 9910 lbs to 17620 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

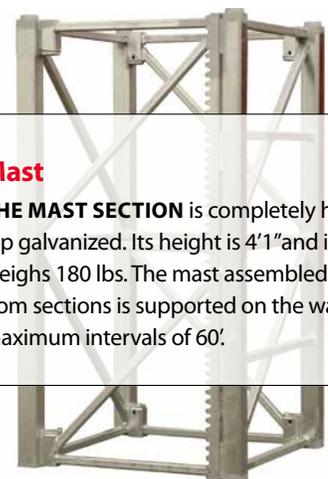
5 WITH ADJUSTABLE extensions the platform width can be steplessly extended up to 20 ft. The extensions are available in four sizes: 8'6"-19'8", 0-8'2", 0-5'10", and a brick laying extension. With these extensions you can also work behind or around different corners. Using a brick laying extension the 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 the bricklayer thus improving ergonomics at work.

Snake, hinged platform system

6 EACH OF SNAKE'S platform sections (up to 8 units) can be steplessly adjusted ± 45 degrees. The sections are available in two lengths: 4'11" and 1'11". The platform moves like a snake in the horizontal plane forming into just about any shape. The platform can also be easily adjusted from the platform level during work. Snake is suitable for working on round, curved, cone-shaped and other varying wall surfaces.

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 23'10" / 9030 lbs 34'4" / 8140 lbs 44'11" / 7150 lbs 55'5" / 6160 lbs	51'10" / 17620 lbs 67'7" / 17180 lbs 83'4" / 15850 lbs 99'1" / 12330 lbs 114'10" / 10130 lbs 133'2" / 7920 lbs 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



Scanclimber is the world's technology leader in mast climbing equipment for installations. The company has its corporate head office in Pirkkala, Finland, and manufacturing in Gniezno, Poland. The company employs more than 200 people worldwide. Scanclimber creates value for its customers with high quality, reliable and flexible vertical access solutions.

SCANCLIMBER®

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