



# COSMOS

## Mast Climbing Work Platform

Cosmos is a mast-climbing platform for medium to heavy loads, with a maximum capacity of 3900 kg (8600 lb), designed to ensure versatility and efficiency.

Thanks to its modular composition, with elements that are easy to assemble, disassemble, and transport, Cosmos simplifies work processes and significantly reduces installation times.

Perfect for façade work, renovations, and new constructions, Cosmos was initially designed for rental companies, but its success has made it highly appreciated by construction firms as well.

## Use

**COSMOS** is the **ideal access solution** for **various activities**: new construction, restoration, painting, insulation, roofing, inspections, cleaning, maintenance, and External Insulation and Finishing Systems (EIFS). Primarily designed for **rental companies (easy to operate and highly secure)**, it is also perfect for **private construction firms**. Easy to **move, assemble, and disassemble**, it is suitable even for confined spaces. Ideal for façade work, renovations, and new construction projects.

## Features

**COSMOS** is an electric lifting platform for **materials and personnel**, with a load capacity ranging from **1 to 3,9 tons** and a speed of **9 m/min (29 ft/min)**. The **COSMOS** model is a self-climbing platform with a **rack and pinion system**.



## Advantages

- **Reduced costs** thanks to the machine's versatility: single/twin mast and various configurations;
- **Safe operation**: the machine is fully protected;
- **Maximum performance**: materials and personnel on the platform enable faster work with the best possible quality;
- **Faster execution**: time is spent working, not waiting for auxiliary lifting equipment;
- **More ergonomic work**: the platform stops exactly at the required position, preventing workers from stretching or bending;
- **Interchangeable parts**;
- **Reduced spare parts inventory**.
- **Safety devices**: prevent accidents, collisions, and falls;

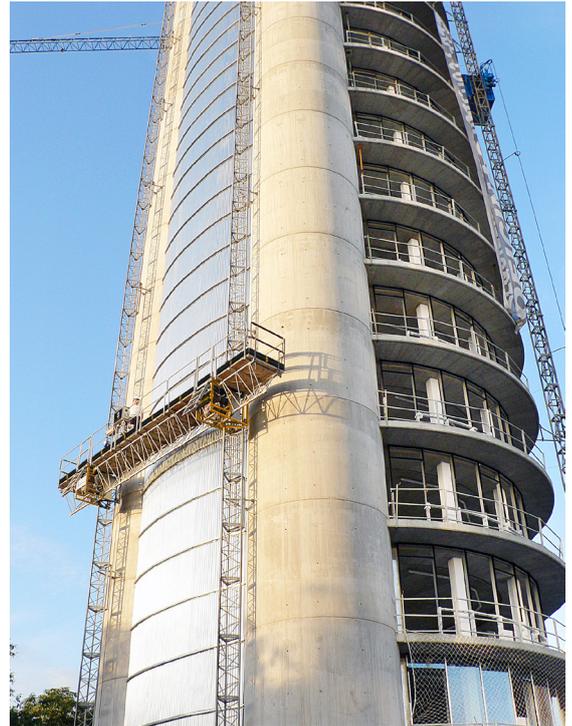


You can choose between a **single mast** or **twin mast** platform based on your needs (length and load capacity). The configuration can be adjusted by assembling **horizontal beams of 1 m (3'3") or 1,5 m (4'11")**.

- Single mast: from **2,8 to 11,8 m (9 to 38 ft)**.
- Twin mast: from **12,6 to 34,1 m (41 to 112 ft)**.

These two solutions provide **different performance levels**, optimizing costs and specific requirements.

The platform's **1,25 m (4'1") width** maintains the necessary space for storage and transportation while still ensuring **ample working space** for personnel. The platform is **easy to use** and can be operated simply by **moving a lever**.



The **rack and pinion system** ensures **smooth and stable** movement of the platform during ascent and descent. The **rack** is **hot-dip galvanized** and made of **special steel**, providing increased durability and a longer operational lifespan. This feature guarantees **reliable performance** even in demanding work conditions.

### **Safety Devices:**

- Self-braking gear motors
- Manual emergency descent
- Horizontal leveling device (twin mast version)
- Upper/lower mechanical stop device
- Phase control relay
- Upper/lower limit switch
- Anti-fall proximity device (detects the presence of vertical elements)
- Door limit switch
- Movement warning buzzer
- Anti-fall safety device (parachute)

# Mast

The vertical element of **COSMOS** is **1,49 m (4'11")** high and weighs **49 kg (108 lb)**. It is fully hot-dip galvanized. Its **triangular** shape simplifies **storage, transport, and handling**.

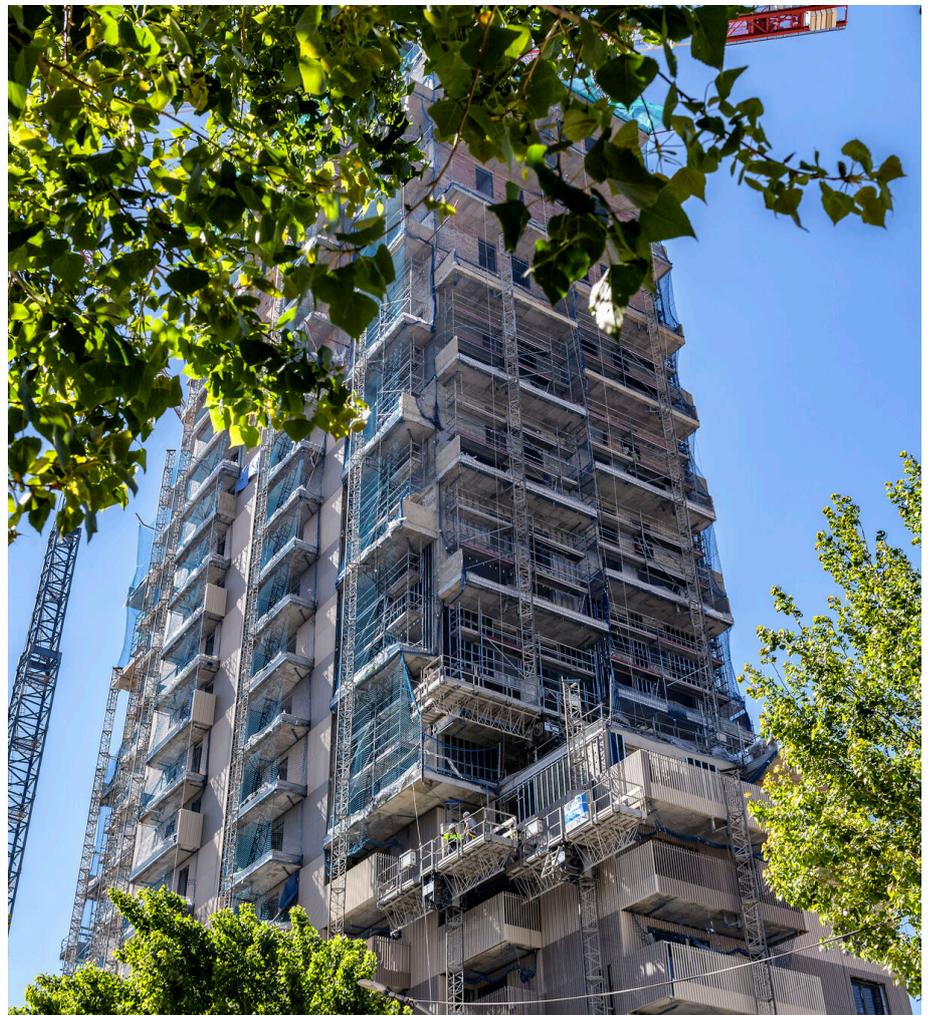
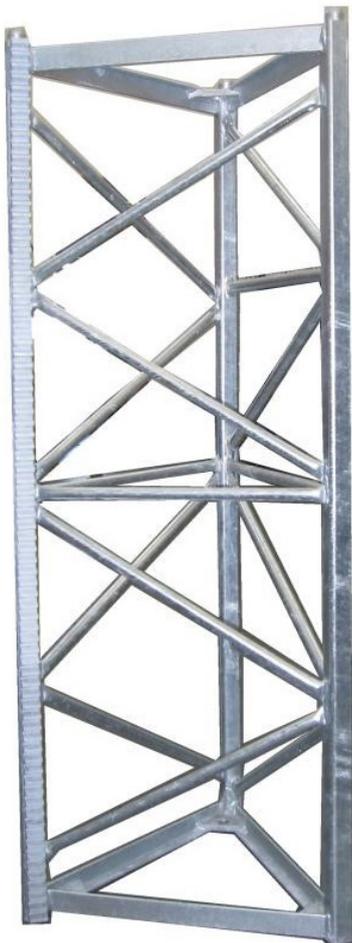
The **frame** and **rollers** ensure **precise and smooth movement** along the mast.

**COSMOS** is equipped with a **wheeled base**, allowing for **easy movement** on flat surfaces. In **confined spaces**, the machine can be installed with a **reduced base**. When greater **stability** and **load distribution** over a larger surface are required, **stabilizer arms** can be added.

A **safety device against overspeed** is installed on the machine, stopping the platform in case of motor issues. This is an additional safety feature, as the machine is already equipped with two **self-braking gear motors**, each capable of supporting the platform.

**COSMOS** can be fitted with a **metal or wooden flooring**, depending on customer needs and preferences.

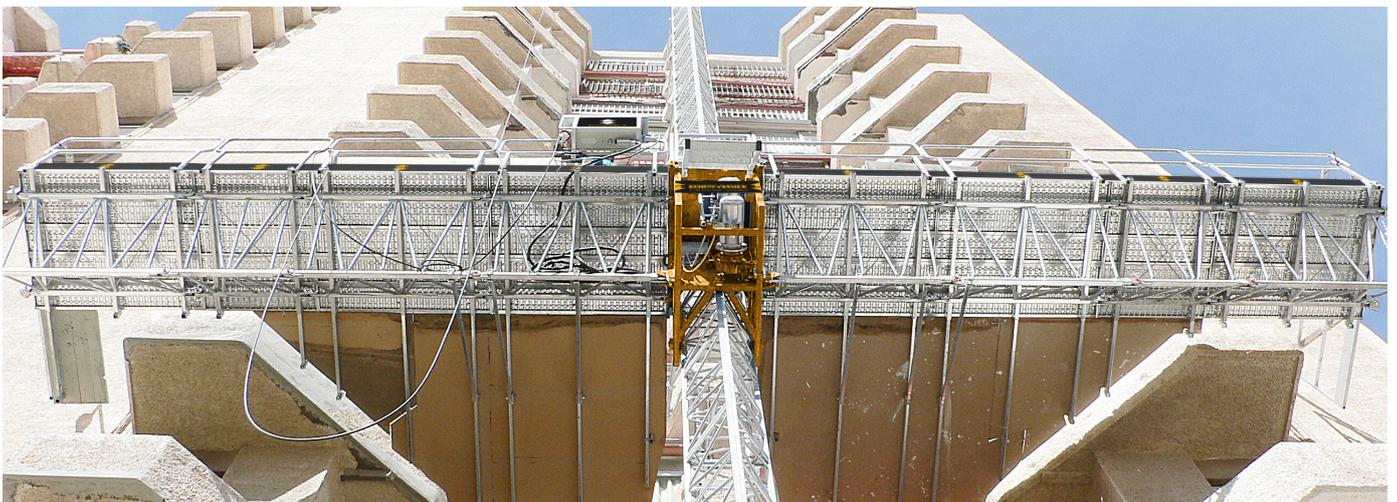
The **automatic leveling device** is included and used in the **twin mast version**. It keeps the platform **level and stable** in case of tilting due to unevenly distributed loads.



## Technical characteristic - Single mast

Max length	m	11,8	ft	38
Min length	m	2,8	ft	9
Max loading capacity	kg	1900	lb	4190
Min loading capacity	kg	1000	lb	2200
Max weight at the base	kg	1900	lb	4190
Min weight at the base	kg	1100	lb	2420
Max width	m	1,25 + 2	ft	4'1" + 6'6"
Lifting speed	m/min	9	ft/min	29
Max heigh anchored	m	+150	ft	+490
Distance between anchorages	m	6	ft	19
Min height	m	1,6	ft	5'3"
Motor's power	kW	2 x 3	hp	2 x 4
Vertical element height	m	1,49	ft	4'11"
Rack module	Module	6	Module	6
Vertical element weight	kg	49	lb	108
Voltage three-phase	V	400V 50Hz*	V	400V 50Hz*

\*For different voltages/frequencies, contact EUROSCEF S.r.l.



## Technical characteristic - Twin mast

Max length	m	34,1	ft	111
Min length	m	12,6	ft	41
Max loading capacity	kg	3900	lb	8600
Min loading capacity	kg	1200	lb	2640
Max weight at the base	kg	4900	lb	10800
Min weight at the base	kg	2800	lb	6170
Max width	m	1,25 + 2	ft	4'1" + 6'6"
Lifting speed	m/min	9	ft/min	29
Max heigh anchored	m	+150	ft	+490
Distance between anchorages	m	6	ft	19
Min height	m	1,6	ft	5'3"
Motor's power	kW	4 x 3	hp	4 x 4
Vertical element height	m	1,49	ft	4'11"
Rack module	Module	6	Module	6
Vertical element weight	kg	49	lb	108
Voltage three-phase	V	400V 50Hz*	V	400V 50Hz*

\*For different voltages/frequencies, contact EUROSCAF S.r.l.



# EUROSCAF

Since 1991, EUROSCAF has been one of the leading manufacturers of lifting equipment, including mast climbing work platforms and material hoists.

The company's headquarters and production facilities are located in Italy, near Venice.

The raw materials and components used are primarily of Italian or European origin.

EUROSCAF carefully selects its suppliers based on their quality standards and the proven efficiency of their products.

EUROSCAF's goal is customer satisfaction: this is why we take care of their needs and maximize their investment by providing flexible, reliable, and high-quality machines.



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