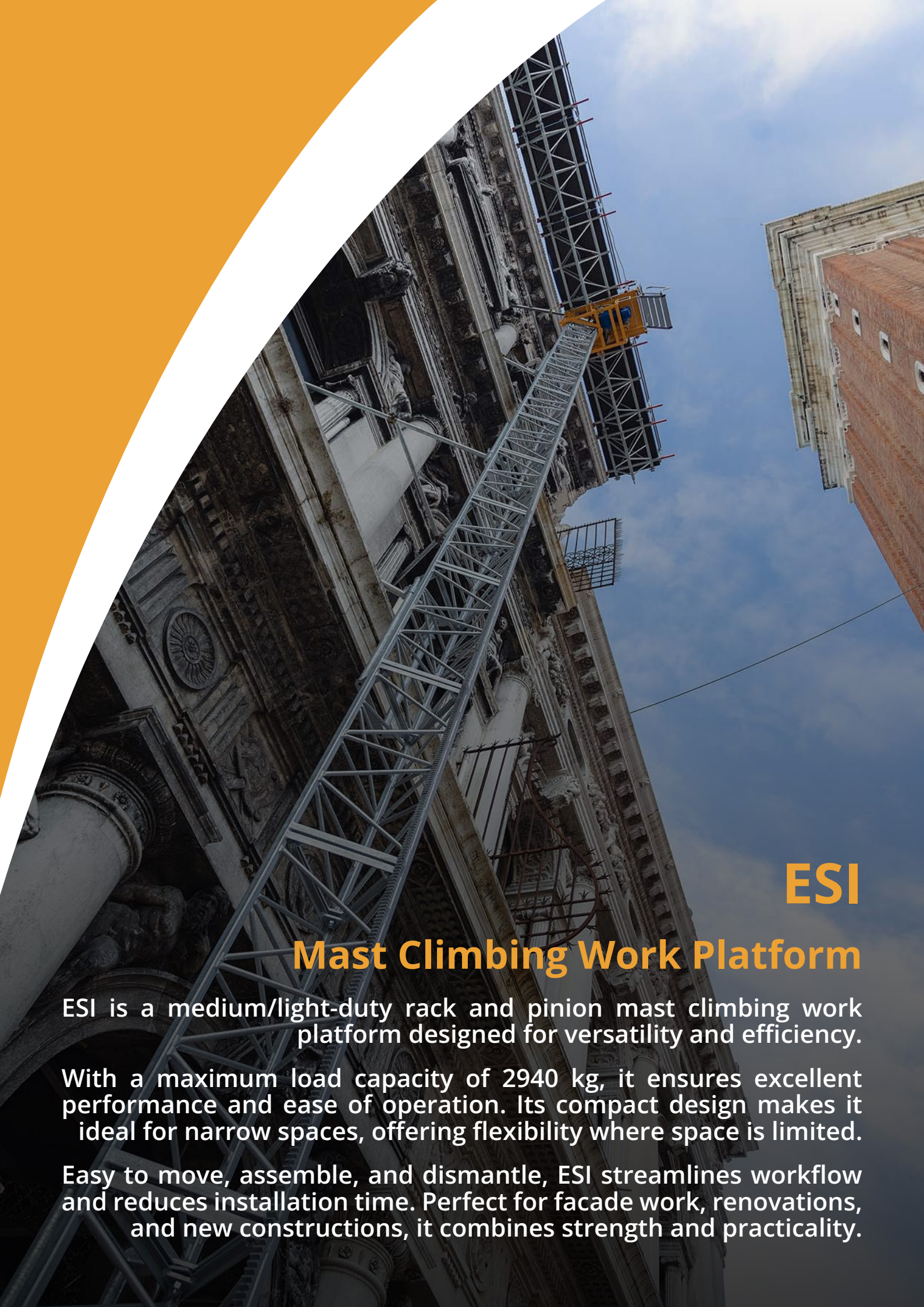


ESI

Mast Climbing Work Platform

ESI is a medium/light-duty rack and pinion mast climbing work platform designed for versatility and efficiency.

With a maximum load capacity of 2940 kg, it ensures excellent performance and ease of operation. Its compact design makes it ideal for narrow spaces, offering flexibility where space is limited.

Easy to move, assemble, and dismantle, ESI streamlines workflow and reduces installation time. Perfect for facade work, renovations, and new constructions, it combines strength and practicality.

Use

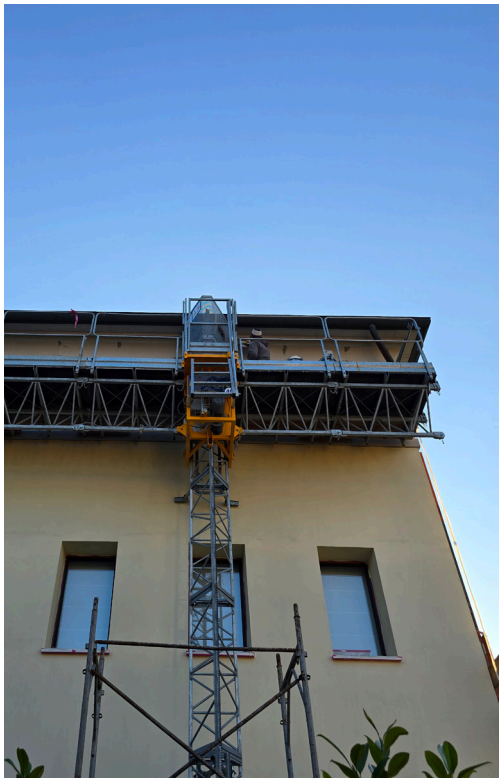
ESI is the ideal access solution for a **wide range of applications**, including facade work, renovations, and new constructions, it combines **strength and practicality** to meet the needs of demanding worksites.
It is specifically designed for work in **restricted access areas** (such as historic city centers and narrow entry points), specifically designed for **painting, renovation**, and **construction** tasks. Easy to move, assemble, and dismantle, it simplifies operations on-site.

Features

ESI is an electrical lifting platform for material and personnel, with loading capacity from **1 to 2,9 tons** with a speed of **10 m/min**.
The **ESI Model** is a mast climbing work platform, its **lightweight lifting units** are positioned closer to the ground, making them **easier to handle** and **more versatile** for urban environments. This model ensures efficient movement and greater flexibility, ideal for projects where space is limited.

Advantages

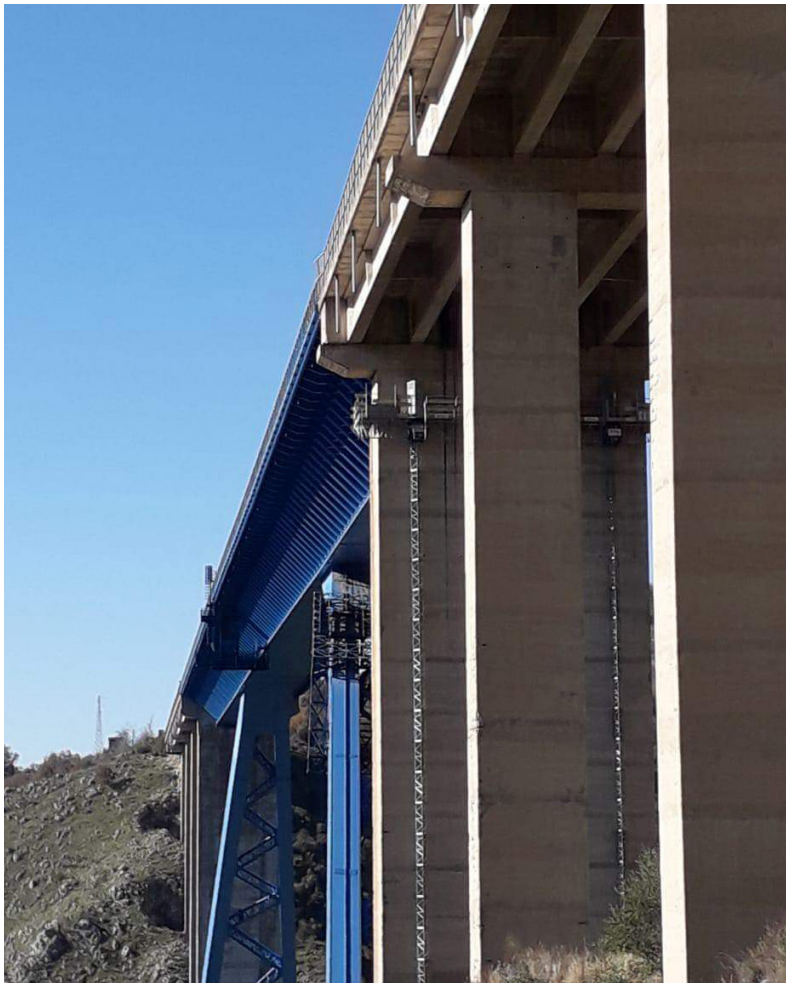
- **Low costs** thanks to versatility of the machine (single/twin mast & various configurations);
- **Safe work** (the machine is completely protected);
- **Max efficiency** (material & personnel on the platform allows a higher quality and faster work);
- **Faster performing** (time is used to process the work and not waiting for auxiliaries lifting means);
- **More ergonomic work** (the platform stops in the exact point where it is necessary to process, personnel must no longer bench or stretch to reach the point); it is possible to install **climate protection** for the personnel;
- **Interchangeable parts**;
- **Small stock** of parts;
- **Safety devices** (avoid accidents of collision and collapse);



SINGLE or TWIN MAST platform can be chosen, according to the needs (length and loading capacity). The configuration can be modified assembling **1** or **1,5 m** long horizontal beams. Single mast can be from **2,8** up to **8,8 m**. Twin mast can be from **7,6** to **26,6 m**.

These 2 solutions allow different performances optimizing **needs and budgets**.

Platform width of **1 m** reduces the space necessary to stock and transport the machine, allowing personnel to have the necessary space to perform their work in the **most comfortable way**. The platform is **user-friendly** and can be actioned 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 greater durability and extended operational life.
This design guarantees **reliable performance**, even in demanding working conditions.

Safety devices:

- Self-breaking gear-motors;
- Emergency manual descent;
- Mechanic stop device top/bottom;
- Control phases relay;
- Top/bottom limit switches;
- Proximity device to detect the presence of vertical elements;
- Door limit-switch;
- Acoustical signal of movement.

Mast

Use

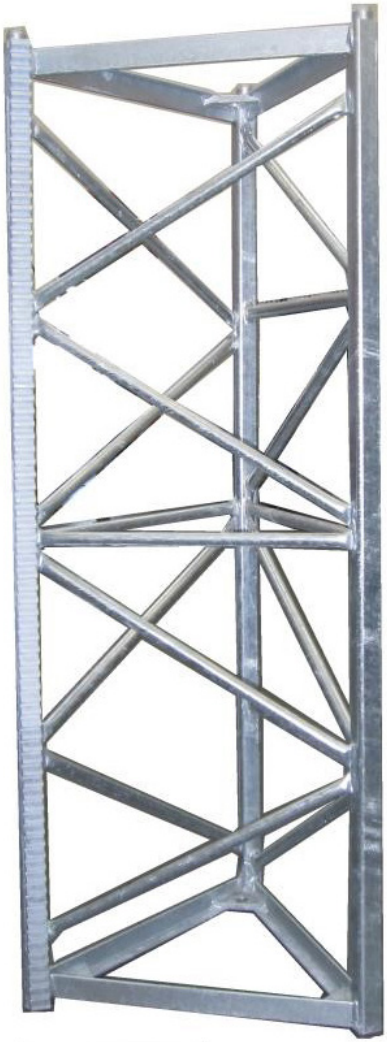
ESI mast section is **1,49 m** high – **49 kg**. It is completely **hot dip galvanized**. The triangular shape **simplifies** the storage, transport and ability to handle it.

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

ESI is equipped with a **base frame** with **wheels**, allowing for **easy movement** on flat surfaces.
In **tight spaces**, the machine can be installed with a **reduced base frame**. When **greater stability** is required, **stabilizer arms** can be added, providing enhanced support and safety.

ESI can be equipped with either a **metal or wooden platform flooring**, depending on customer requirements and preferences.

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



Technical characteristics - Single Mast		
Max length	m	8,8
Min length	m	2,8
Max loading capacity	Kg	1100
Min loading capacity	Kg	600
Max weight at the base	Kg	1530
Min weight at the base	Kg	1020
Max width	m	1 + 1,2
Lifting speed	m/min	10
Max heigh anchored	m	+150
Distance between anchorages	m	6
Min height	m	1,5
Motor's power	kW	2 x 2,2
Vertical element height	m	1,49
Rack module	Module	6
Vertical element weight	Kg	49
Voltage three-phase	V	400V 50Hz*

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

Technical characteristics - Twin Mast		
Max length	m	26,6
Min length	m	7,6
Max loading capacity	Kg	2940
Min loading capacity	Kg	1300
Max weight at the base	Kg	3780
Min weight at the base	Kg	2100
Max width	m	1 + 1,2
Lifting speed	m/min	10
Max heigh anchored	m	+150
Distance between anchorages	m	6
Min height	m	1,5
Motor's power	kW	4 x 2,2
Vertical element height	m	1,49
Rack module	Module	6
Vertical element weight	Kg	49
Voltage three-phase	V	400V 50Hz*

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

EUROSCAF

Since 1991 EUROSCAF is one of the first world manufacturers of lifting means; mast climbing work platforms and hoists.

The head office and premises are in Italy, close to Venice.

Row materials and components are mainly Italian or European.

Euroscaf's suppliers are elected according to their quality standards and proven efficiency of their products.

Euroscaf's aim is to have satisfied customers, for this reason we take care of our customers' needs and we pay attention to their value supplying machines that are flexibles, high quality and reliable.

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