

Mobile stepladder for machine access in a sugar production plant



A **mobile stepladder**, custom-designed and manufactured to allow our client to **easily access their machine and perform maintenance operations** necessary for the smooth running of the sugar production process. This solution guarantees **ergonomic and secure** use, fully meeting the requirements of its work environment.



Before



After

Main Features

- Optimized load capacity: designed to support two people, with a total capacity of 200 kg, ensuring safe use and suitability for maintenance operations.
- Robust and long-lasting structure: manufactured from raw extruded aluminum profiles (100x30 mm, 6000 series), offering optimal resistance without requiring regular maintenance.



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Stepladder

- Set height: designed to reach a height of 2400 mm, with a 60° staircase tilt, requiring backward descent to ensure operator safety.
- Optimized dimensions: 500 mm useful width, anti-slip aluminum steps.
- Swivel wheels: Ø200 mm front swivel wheels with brakes and set rear wheels, suitable for indoor environments with polyurethane tread.



Landing platform

- Expanded workspace: platform width 1500 mm, length 800 mm, with optimized working areas on both left and right sides.
- Secure coating: (4.4 mm thickness) aluminum checkered plate, providing optimal grip.

Guardrail

- Enhanced safety: red lacquered aluminum handrail, with intermediate rail and baseboard, on both sides of the platform and staircase.
- Ergonomic design: the handrail and guardrail provide continuous protection for operators.
- Optimized access: Removable rear guardrails, which can be detached when the platform is in the working position, facilitating intervention.

