

THE NEW HYDRO MOBILE M3

A Breakthrough in Mast-Climbing Technology

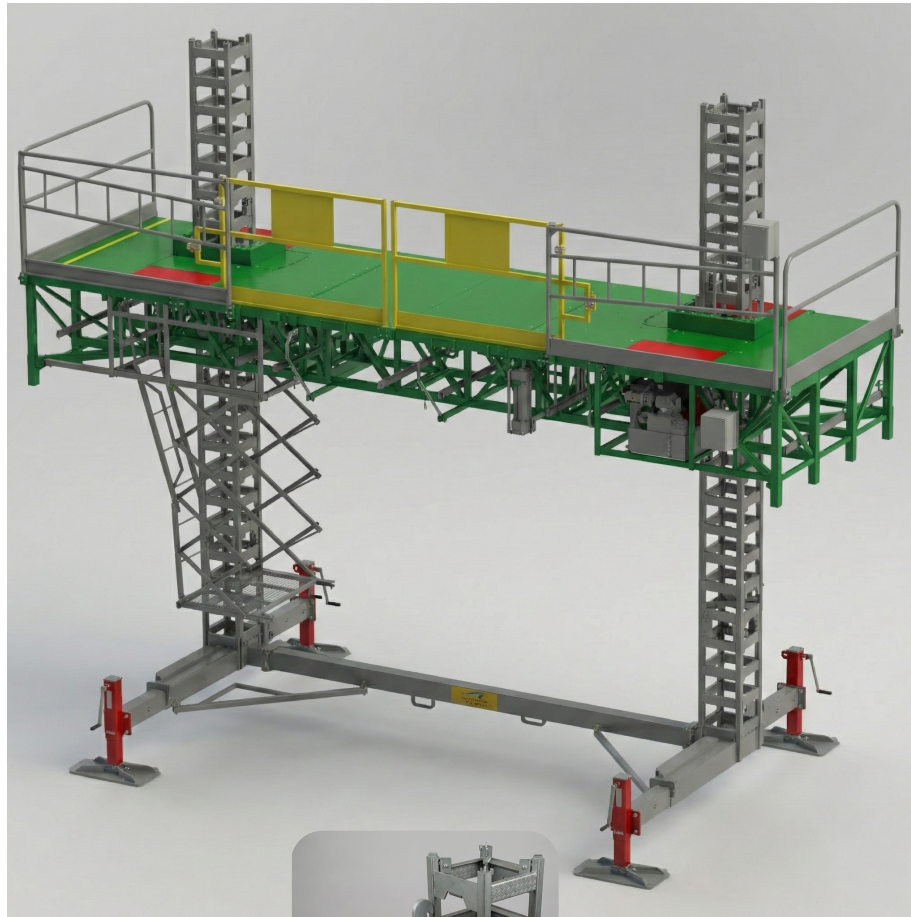
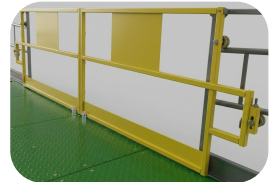
2' x 3' Yoke Post

Stronger backbone for heavy bridge loads.



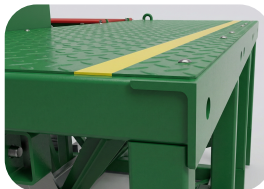
Sliding Doors (Gravity-Latch)

Auto-closing, smoother, safer operation.



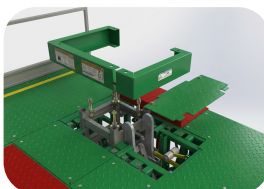
3/8" End Angles

Heavy duty durability for bridge connections.



Access Walkway

Cleaner access, zero interference, smoother workflow.



Toe Kick and Hatch

Direct access to mechanism. No teardown required.



Drive System

Fully automated drive system with dual-hook intelligence.

Guide Rollers

Bolt-on rollers; 2-minute replacement.



Automatic lifting • Zero Guesswork
Dual-Hook Intelligence for Total Safety
Engineered for Faster, Smoother Climbs

Safer Operation • Automated Precision • Human-Error Proof Lifting

The Lifting System Automated Sequencing

Core Benefits

- One-touch automation
- Rocker-cam precision
- ROTA safety sensors



Step 1 • Engagement

Secondary hook engaged on mast. Main hook disengaged, cylinder retracted.

Step 2 • Extension

Main cylinder extends. Secondary hook remains engaged.

Step 3 • Transition

Auxiliary cylinder retracts. Rocker cam transfers load to main hook.



Step 4 • Main Lift

Main hook engaged. Secondary hook disengaged. Auxiliary cylinder fully retracted.

Step 5 • Climb

Main cylinder retracts, lifting the unit. Secondary hook clears the mast.

Step 6 • Reset

Auxiliary cylinder extends. Rocker cam transfers load back to secondary hook.



Step 7 • Cycle Completed

Secondary hook engaged on mast. System returns to starting position.

Powerpack Architecture



- Cleaner hydraulic routing
- Modular assembly
- Early diagnostics

Control Systems



- Push-button automation
- ROTA-validated safety
- Warning light integration