

# Ez Lift Suspended Platform

**Industry leading vertical  
brick installation method**  
engineered to meet the highest  
international safety standards.

Bricking Solutions Ez Lift Suspended Platform is the newest equipment for vertical brick work. The modular structure of high - strength aluminum components are designed to provide a flexible, maneuverable work platform for personnel and equipment in vertical vessels such as lime kilns, pre calciners, cyclones, Isamelt furnaces, and more.

# SUSPENDED PLATFORM TECHNICAL SPECIFICATIONS

## SAFETY FEATURES

Platform Weight	450 kg - 1,100 kg (1,000 lb - 2,500 lb)
Load Capacity	2,722 kg (6,000 lb) Personnel and material
Safety Fall Guards	Keeps workers safe while in the vessel with clearances that require fall protection- Removable
Planking Material	Aluminum Perf-O-Grip - lightweight, non slip surface and less debris build up
Frame Design	6061-T6 high strength aluminum - as strong as steel but 40% less weight
Stability	Mechanical outriggers to maneuver and stabilize the platform
6 hoists	Raise and lower the platform via manual or powered hoists. 680 kg (1500 lb) max capacity
Safety Standards	Complies with Multipoint Suspended Platform safety regulations: OSHA: 29 CFR 1910.28 Safety Requirements for scaffolding, 29 CFR 1926.452 General Requirements for Scaffolding ANSI: A10.8-2011 Scaffolding Safety Requirements CSA: CSA-z271-10 Safety Code for Suspended Platform EN: DIN En 1808 Safety Requirements on Suspended Access Equipment Design Calculations, Stability Criteria, Construction, Test - Amendment A1:2010-11

## EFFICIENCY FEATURES

Adjustability	Adjustable over 1M diameter while suspended with outer panel change-out
Vertical Movement	Raise / Lower Speed: 35 ft / Min (11m / min) with SC series electric hoists
Outrigger Movement	Extend in either direction up to 40 in (1M) to stabilize on outer wall or inner structure
Modular Design	Each component is 40 lb (18 kg) or less and can fit through a 22 in (560 mm) diameter access hole
Size / Range	3 standard sizes, custom ranges available upon request- depends on shell size, brick ID & required clearances B: 3.5M - 4.6M (11.5 ft - 15 ft) C: 4.6M - 5.6M (15 ft - 18.5 ft) D: 5.6M - 6.7M (18.5 ft - 22 ft)
Assembly	Pin assembly connections (under 2 hours with experienced crew)
Productivity	Up to 1 meter per hour (with experienced crew)
Tools	Tool box with assembly tools and extra hardware pins

## REQUIREMENTS

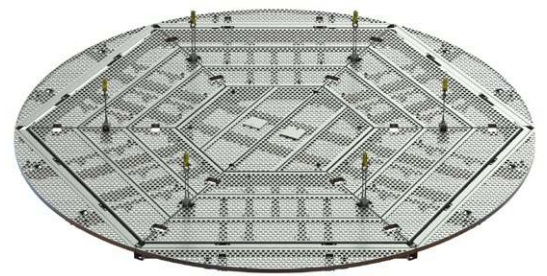
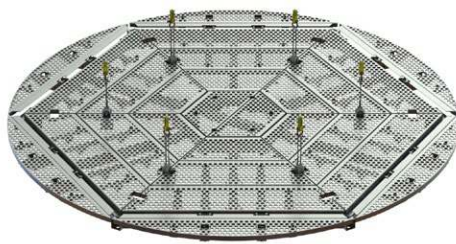
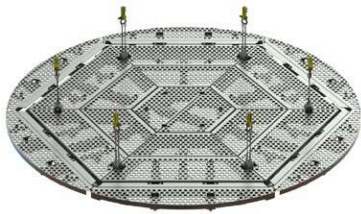
Wire rope anchor structural requirements: 680 kg (1,500 lb) with a 6:1 safety factor
6 hoists - must be personnel rated and meet the capacity requirements of the customer: 680 kg (1,500 lb) max. Electrically Powered - recommend Power Climber PC3 series (or equivalent) 454 kg or 680 kg capacity; 208VAC 60Hz 1 Phase or 3 Phase (50Hz available), or 110 VAC 60Hz 1 Phase; 12A max. (7A max for 3 Phase); 20A max start-up Air Powered - recommend Power Climber PC3 series (or equivalent) 340 kg, 454 kg, 680 kg capacity; 60-110 psi 35-70 cfm Electrically insulated cables (anchors must be able to mount to insulated wire rope thimble) if welding on the platform

## OPTIONAL ITEMS

Powered Electric, manual, or hydraulic hoists
Toe board - Wire Rope - Insulated wire rope and insulation sleeves (if welding on platform)
Outer fall guards - Inner fall guards
Material Hoist - to bring up tools and materials to platform level -450 kg (1,000 lb) capacity



# SUSPENDED PLATFORM



## MULTIPLE SIZES

Our standard platform sizes cover vessels from 3.5M - 6.7M with custom sizing available

3.5M - 4.6M (11.5' - 15')

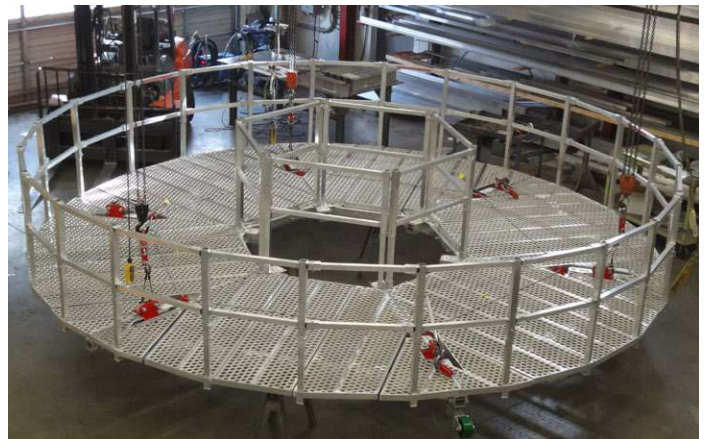
4.6M - 5.6M (15' - 18.5')

5.6M - 6.7M (18.5' - 22')



## ADJUSTABILITY

Each configuration adjusts up to 1M while suspended. Outer panels easily lift up and outriggers extended or retracted for fast and easy diameter change.



## HOISTS

Optional Hoists. Electric SC series hoists have a raise / lower speed of 11M / min. Requires 6 wire ropes anchored at the top of the vessel; roof or walls. Compatible w/ manual, electric, hydraulic or air powered hoists 1500 lb (680 kg) max capacity.

## FALL GUARDS

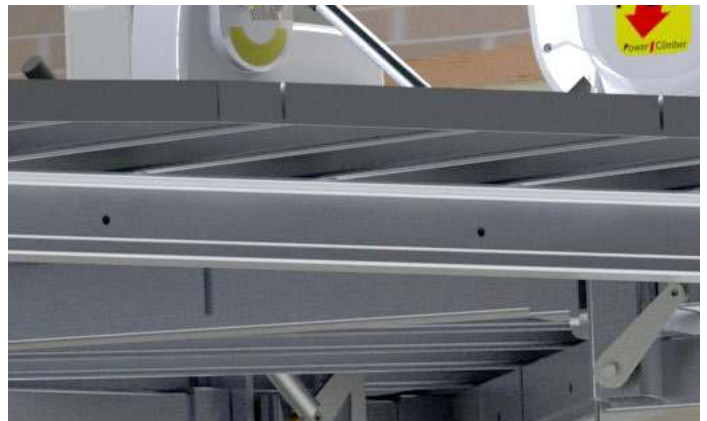
Optional fall guards. Removable center allows for tools and materials to be brought up



## MODULAR DESIGN

Platform Weight 1,000 lb - 2,500 lb (450 kg - 1,100 kg)

Each component is 40 lb (18 kg) or less and can't through a 22 in (560 mm) access hole. Comes on a custom pallet for storage and can be lifted by a crane



## OUTRIGGERS

Outrigger movement extend in either direction up to 1M to stabilize on outer wall or inner structure



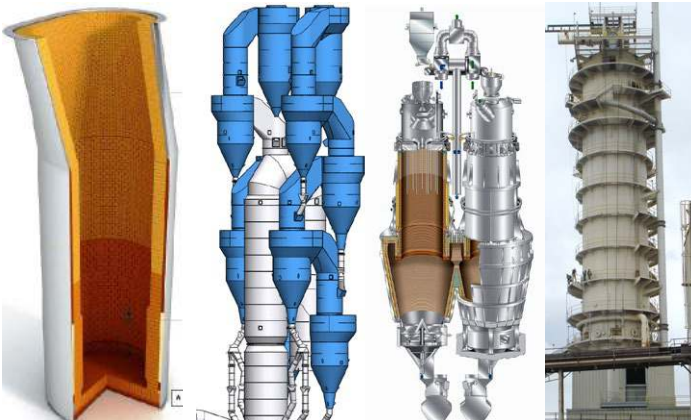


### ASSEMBLY

The suspended platform is a pinned together design which allows for easy and quick assembly. Since each piece is designed to fit through a 260mm (22") access hole, it can be easily assembled inside the vessel.

### CUSTOM SOLUTIONS

Custom designed outer panels or trolley rails can be designed for non cylindrical or larger vessels.



### TECHNICAL SUPPORT AND ON-SITE TRAINING

One of our professionals will be available to be on-site for every suspended platform purchase. Leave the guesswork out and get full technical support during commissioning.

### VERTICAL VESSELS

The suspended platform is designed to work in a variety of vertical vessels; Isasmelt furnace, precalciner, lime kiln, Maerz Kiln, and more.

### Since 1968,

we've been dedicated to enhancing the safety and efficiency of refractory maintenance crews around the world. We are the only manufacturer to offer a full-system, start-to-finish approach, from bricking machines and safety cages to conveyors and ramps. Our custom-design service ensures no matter what crews are up against, they have the equipment they need to minimize downtime and ensure everyone goes home uninjured each day.

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