



Ez Flexx50 Bricking Machine



**The Safest, most advance
bricking machine in the
industry is engineered to meet
international safety standards.**

The Ez Flexx50 is the latest design of the bricking machine made out of high strength aircraft grade aluminum. The flexible arch allows for easy adjustments inside the kiln for either minor kiln distortion, or to accommodate conical sections or ovality. There is a variety of additional features that can be added for greater efficiency.

BRICKING MACHINE TECHNICAL SPECIFICATIONS

SAFETY FEATURES

Machine Weight	1,400 kg (3,087 lb)- based off a 5M model
Deck Length	Standard: 4.3M (14') - Flat deck design allows for more worker space Optional: 5.2M (17') - Flat deck design allows for more worker space
Load Capacity	Standard: 4,000 kg (8,800 lb) - Allows for 2 pallets of brick (1,540 kg) plus workers and equipment Optional: 6,000 kg (13,200 lb) - Allows for 3 pallet so brick plus workers and equipment
Fall Guards	Up-kiln, down-kiln & trolley - Removable
Planking Material	Aluminum Perf-O-Grip - lightweight, non slip surface and less debris build up
Frame	6061-T6 high strength aluminum - as strong as steel but 40% less weight
Access Ladder	1 access ladder, dual mounting points for a optional second access ladder
Safety Check Valve	Automatic - Ensures that cylinders hold pressure if there is sudden air loss

EFFICIENCY FEATURES

Arch Structure	Dual arch with engineered cut-outs - lightweight & secured on the arch stabilizer post
Arch Components	Adjustable screw jacks & hinge connections - Adjustments with no tools
Keying Access	Ergonomic Cut-out section in front arch - Allows key mason room and keying access to close out a row
Trolley Design	Moves on rails the full length of deck. Incorporated stair-step design for masons
Trolley Components	Dual braking system, Perf-O-Grip and fall guards
Cylinders	Valve in base with articulating bumper - Push lock nickel plated copper fittings and exposed cylinders for quick maintenance.
Master Valves	Dual master valves - Allows for single cylinder activation or simultaneously on "both arches"
Air Filter	Air line oil lubricator & filter unit - Keeps cylinders working and removes dirt and water from system
Casters	4 polyurethane gimbaled double wheels with brake - Avoids point loading on bedded brick
Assembly	Pin assembly connections (under 2 hours with experienced crew)
Productivity	Up to 1 meter per hour (with experienced crew)
Keying Jack	Standard: Refractory installation Foot Trundle keying jack Optional: Refractory installation Fingertip Controlled keying jack
Spare Parts	Supplied spare parts
Tools	Tool box with tools and extra hardware pins

REQUIREMENTS

Air Pressure	Minimum: 6.33 kg/sq cm (6.21 bar) (90 psi) Maximum: 8.44 kg/sq cm (8.27 bar) (120 psi)
Air Volume	.28 cubic meters per minute / 10 cubic feet per minute

OPTIONAL ITEMS

Shim Driver Kit	Includes shim driver gun, 10' of hose, 2 heads and 4 shanks
Shim Driver Holster	Bracket near the arch allows for quick access and easy storage
Tool Shelf and Trays	Storage shelf and two trays on the trolley fall guards for tools and shims
LED Lights	Ultrabright LED lights mounted on the down kiln fall guards - 50 watt, 5250 Lumens
Work Table	Custom work table designed to be used underneath the arch for brick and tools
Storage Container	20' Steel Storage with built in brackets for lifetime storage

BRICKING MACHINE



KEYING ACCESS

Ergonomic Cut-Away Keying Section, exclusive to Bricking Solutions, give the key mason easy access to down kiln arch giving a clear view for critical key brick installation



PIN CONNECTIONS AND SYMMETRICAL PART DESIGN

Machine is assembled with pins connections, and symmetrical part designs allows assembly to be done without tools and under 2 hours. All components are modular and can fit through a 1M x 1M door



LOAD CAPACITY / DECK LENGTH

Standard 4,000 kg (8,800 lb) load capacity and a 4.3M (14ft) work deck. Allows for 2 pallets of bricks plus men and tools. Optional 6,600 kg (13,200 lb) capacity with 5.2M (17ft) work deck.



TROLLEY DESIGN

Simple jack screws allow for easy adjustment of distance between arch and shell. Arch trolley is designed with a dual point breaking system and moves along a rail the entire length of the work deck.



CYLINDER DESIGN

Pneumatic valve in base cylinders with push-lock nickel plated brass fittings have articulating large rubber bumpers. The arch is an open design which allows for less than 10 minute cylinder change out.



STEP DECK OPTION

Step deck option gives workers more space moving materials underneath machine and can accommodate most fork truck access in larger size kilns.



MASTER VALVE

Dual master valves allows for Independent operation of cylinder or simultaneously controlled on both arches.

KEYING JACK

Keying Jack and air pressure gauge are standard



ARCH DESIGN

Segmented double arch, screw jacks and arch hinges for adjustments on the fly. Only bricking machine in the industry that fully adjusts inside the kiln for distortion and tapers. Engineered cut-outs incorporated into arch panels for the lightest arch in the industry.

CUSTOM MADE

Over 50 years of professional experience, each machine is engineered and manufactured to the highest USA safety standards and meets international safety standards.

CUSTOM SIZES

Our machines can be built to any kiln size and a single machine can be built for a 2M range.



OPTIONAL ITEMS

We offer a variety of additional items that can be added onto any bricking machine

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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