

# EZ FLEXX BY BBS

## BRICKING MACHINE SPECIFICATIONS



**ALL BRICKING MACHINES ARE MANUFACTURED TO INTERNATIONAL ENGINEERING, WELDING, AND FABRICATION STANDARDS**

KILN DIAMETER RANGE	ANY - UP TO 7.6M
MACHINE WEIGHT (3.8 M)	ESTIMATED 2,450 LBS, STRONG AS STEEL AND A 1/3 OF THE WEIGHT 300 - 500 KILOS (661 - 1,100 LBS) LESS THAN THE COMPETITION
LOAD CAPACITY / DECK	STANDARD 17FT (5.2M) DECK 6,810 KG / 15,000 LBS
ADJUSTABLE FRAME(S)	ALLOWS ADJUSTMENT FOR A WIDE RANGE OF KILN SIZES
FRAME DESIGN	HIGH GRADE T6-6061 ALUMINUM ALLOY, LIGHTER WITH SUPERIOR STRENGTH
ARCH DESIGN	SEGMENTED DOUBLE ARCH, SCREW JACKS & HYDRAULIC ARCH JACK ADJUSTS FOR DIFFERENT SIZE KILNS AND FOR MINOR KILN DISTORTIONS
CYLINDER MAINTENANCE	QUICK-CONNECT FITTINGS & EXPOSED CYLINDERS ALLOW FOR CYLINDER CHANGE OUT IN UNDER 10 MINUTES OR CYLINDER BYPASS DURING AN OUTAGE
CYLINDER & BUMPER PROTECTION	CYLINDERS REMAIN FLUSH WITH SOLID BRICK SHELF ON THE ARCH UNTIL DEPLOYED
PLANKING	CUSTOM NON-SKID ALUMINUM PERF-O-GRIP PLANKING FOR SURE FOOTING & LESS BUILD UP
MACHINE CASTORS	POLYURETHANE, COLOR CODED, OCCILATING DOUBLE WHEEL CASTORS TO PROTECT NEW BRICK BED WITH INCORPORATED KICK BRAKES & PIN LOCKS TO PREVENT UNAUTHORIZED TURNING OF CASTORS
HYDRAULIC LEG JACKS	OPTIONAL FOR EASY ADJUSTMENTS WITHOUT THE USE OF A FORK TRUCK
TIME REQUIRED TO ASSEMBLE	2 HOURS WITH MINIMALLY EXPERIENCED CREW
SAFETY CHECK VALVES	AUTOMATIC TO INSURE THAT CYLINDER HOLDS PRESSURE IF THERE IS SUDDEN AIR LOSS AT PLANT, LEAKS IN SYSTEM MAY AFFECT TIME SUPPORT TIME IN CYLINDERS
ARCH MOVEMENT	4M / 13 FT MOVES ALONG RAILS ON WORK DECK PARALLEL TO KILN
BRICK LINING INSTALLATION PRODUCTIVITY	1 METER PER HOUR UNDER IDEAL CONDITIONS (PRODUCTIVITY EXAMPLES AVAILABLE ON REQUEST)
KEYING ACCESS	CUT OUT CENTER SECTION IN FRONT ARCH TO ALLOW EASY ACCESS TO KEY SECTION FOR HANDS AND TOOLS, UNLIKE NO OTHER IN THE INDUSTRY
KEYING TOOLS INCLUDED WITH MACHINE	PNEUMATICALLY OPERATED FINGERTIP CONTROLLED HYDRAULIC SPREADER JACK AND PNEUMATIC SHIM DRIVER - BOTH STANDARD
TOOL TRAYS	BUILT IN STORAGE IN THE CAN SECTION & TOOL TRAYS ON MASON FALL GUARDS
MINIMUM AIR PRESSURE	6.33 KG/SQ. CM. (6.21 BAR) (90PSI)
MAXIMUM AIR PRESSURE	8.44 KG/SQ. CM. (8.27 BAR) (120PSI)
AIR VOLUME	.28 CUBIC METERS PER MINUTE / 10 CUBIC FEET PER MINUTE

# FEATURES



**LUBRICATOR-FILTER:** System maintains clean air and continual lubrication to extend the life of the pneumatic system. Safety check valve on the back of the lubricator-filter and emergency shut-off valve on the front insure air supply to the arch even if plant air is lost.

**STANDARD FALL GUARDS (as shown):** For up kiln & down kiln. Optional heavy duty fall guards (below) come with a standard pull out center with swinging gate on ladder side for access on both ends of machine.



**SPACER ASSEMBLY:** set between double arches for easy adjust ability of correct space for bricking two rows simultaneously.

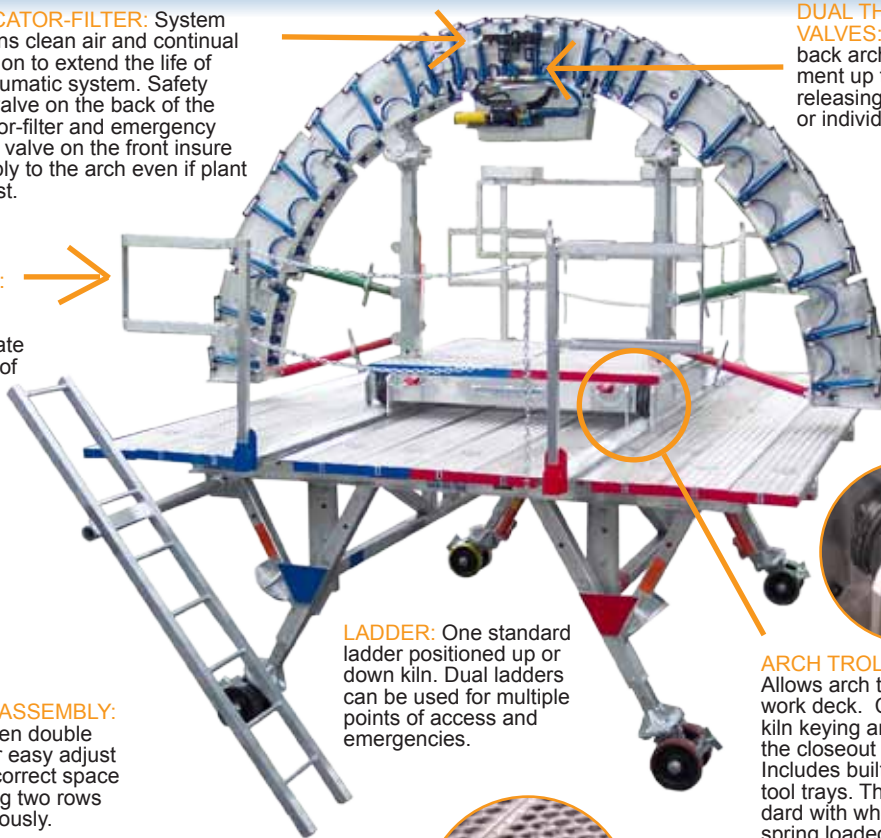
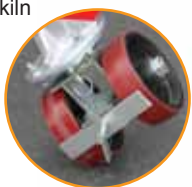


**ERGONOMIC STAIR STEP:**

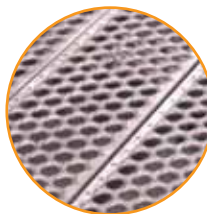
Incorporated into the arch trolley which moves on rail system built into the work deck reduces worker fatigue & increases safety & productivity. Arch trolley is designed with pin lock, choke brake & spring loaded wheel pin for added safety

**HINGE CONNECTIONS:** Work with screw jacks to adjust arch in or out with ease. Designed for safer & faster installation.

**CASTORS:** Polyurethane double wheel, color coded, oscillating castors helps protect bricks allowing machine to advance easily up kiln. Castors can be rotated allowing the kiln to be rotated while machine remains positioned inside kiln. Easy kick brake with locking pin for safety.



**LADDER:** One standard ladder positioned up or down kiln. Dual ladders can be used for multiple points of access and emergencies.



**Perf-O Grip:** Custom non - skid aluminum planking for sure footing and less build up

**DUAL THREE-WAY MASTER VALVES:** Located on the front and back arch allow for rapid advancement up the kiln by engaging or releasing cylinders simultaneously or individually without resetting.



**ARCH TROLLEY CART (CANTILEVER):** Allows arch to easily move up & down work deck. Cantilever extends down kiln keying arch over castors facilitating the closeout of the last row of bricks. Includes built in storage in can section & tool trays. The trolley cart comes standard with wheel chock, trolley lock pin & spring loaded wheel lock.



**Cut Away Key Section :** Cut out center section in front arch to allow easy access to key section

**Long Jack :** Pneumatically operated fingertip controlled hydraulic spreader jack

**HYDRAULIC JACKS:** Raise or lower the arch on a center supported trolley system with no use of tools or fork truck.



**SCREW JACKS:** Located on each side of arch for easy adjust ability of arch wings towards & away from kiln wall with no tools.

**LEG JACKS:** Adjustments to the deck is safe, fast, & easy in a conical section & without the use of a forklift for major kiln variations.



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