

# BBS TECHNICAL SERVICES

## BRICKING MACHINE EVALUATION PROPOSAL



Outages can be very costly, especially if your equipment is not ready to go when you are. Bricking Solutions supports everything we manufacture to ensure our equipment will give you the best performance each and every outage. When a trained, experienced technician is available to walk you through the use of the equipment, coupled with assembly manuals and maintenance manuals, you can be certain you'll be in good hands.

The support system starts with an inspection, encompasses training and lives on through perpetual support. This puts you in charge, by being prepared and familiar with your equipment in advance of your upcoming outage, saving time and money. It helps to eliminate problems that may be overlooked due to time constraints, emergency shut downs, or personnel changes.

A Bricking Machine Evaluation allows our technician to inspect and evaluate your equipment. The evaluation will help to identify potential problems with the equipment as well as re-educating plant personnel, and/or contractors, on the proper use, maintenance procedures and storage. A safety inspection of all frames, decking, and arches will help determine wear and fitness of welds and other components. While on site, we can address possible safety upgrades to improve your equipment or help you justify newer equipment if necessary. A discussion of safe operations and maintenance of the machine will conclude with disassembly and proper storage techniques.

Our goal is to provide your personnel with the knowledge and training to safely assemble and maintain your Bricking Solutions equipment. A formal report will be sent with all the recommendations and proposed fixes for your records.

# Service Levels

## Level 1 Service

SCOPE: With two plant personnel, set up and perform evaluation and recommend repairs that arise during the evaluation.

1. Supervise the assembly of the bricking machine.
2. Inspect safety shut off & machine check valve, also lubricator & filter system.
3. Verify spacer assemblies are functioning correctly.
4. Locate and note all air leaks.
5. Mark and make notation of non-repairable cylinders.
6. Verify correct lubricator setting, adjust if required.
7. Drain all waste from arches.
8. Inspect all assembly hardware.
9. Inspect frames, casters & brakes, planking, fall guards, lights, etc.
10. Review all color coding and labeling.



## 1 DAY SERVICE

The technician, with the help of at least two plant representatives, will assemble arches and note any defective items. After the arch evaluation, the base of the machine will be visually inspected along with the other components. Instruct personnel on proper maintenance and storage. Review with personnel the machine safety features and available upgraded components.

Make a list of all spare parts on hand and advise on a spare parts list for your machine. This will be sent to you with the evaluation report.

## Level 2 Service

**SCOPE:** With two plant personnel, set up the bricking machine and perform the evaluation, repairing components as necessary. We will advise you on any major structural repairs that arise during evaluation. (Structural repairs will not be done at this time and will require discussion on how to fix these issues)

1. Supervise the assembly of the bricking machine.
2. Inspect safety shut off & machine check valve, lubricator & filter system. Repair or replace as necessary.
3. Verify spacer assemblies are functioning correctly. Repair or replace any faulty spacers.
4. Locate and fix all air leaks.
5. Adjust machine air pressure to recommended setting.
6. Replace non-repairable cylinders.
7. Verify correct lubricator setting. Adjust if required.
8. Drain all waste from arches.
9. Inspect all assembly hardware. Replace as necessary
10. Inspect-frames, casters & brakes, planking, fall protection, lights, etc. Repair or replace as necessary. (non-structural components only)
11. Review all color coding and labeling. Replace missing.



## 2-3 DAY SERVICE

**1<sup>st</sup> day:** Assemble the arches and address any defective items listed above so parts required can be replaced. The arch is done the first day to ensure all the parts are on hand. If there are parts that need to be replaced and are not on site they can be shipped over night to complete the installation while the technician is on site. The arch normally takes up to a full day to repair due to the complexity.

**2<sup>nd</sup> day:** After the arch evaluation the base of the machine will be assembled and visually inspected. Any damage to the major components that can't be repaired on site will be noted for major work or replacement. Instruct personnel on maintenance, storage, and safety feature upgrades available for your machine.

**3<sup>rd</sup> day:** If required to finish the evaluation due to the number of repairs or size of the machine.

We will also take note of all spare parts on hand and advise you on the necessary spare parts for your machine. This will be sent to you with the evaluation report.