



POTOMAC VALLEY BRICK

Lasting. Beautiful. Classically Modern.



PVB MASONRY SERVICES

- COLLABORATIVE TECHNOLOGY
- INCREASED PRODUCTION
- IMPROVED SAFETY
- BETTER PLANNING
- CONTINUOUS IMPROVEMENTS
- REAL-TIME DATA

SAM (SEMI-AUTOMATED MASON)

The construction industry is aging, making it critical to stay innovative and attract fresh talent. As our industry evolves, new technologies are being introduced that are designed to work together with laborers to get jobs done faster, safer and cheaper.

SAM is a revolutionary brick laying robot available for rent, lease or purchase through PVB Masonry Services.

Designed and engineered by Construction Robotics, SAM works collaboratively with the mason to reduce lifting by more than 80% and increase productivity by 3-5 times. Its real-time production data also helps companies continuously improve processes and avoid potential problems.

How It Works

SAM is simple setup and easy to use.

SAM's mast climbing work platforms allow multiple setups, depending on the job. Once configuration is complete, the robot is placed on the platform and a mason uses a handheld tablet to communicate with SAM while story poles and a laser string line are used to meticulously lay out the wall.

The advanced software automatically corrects for any variation in the as-built dimensions, allowing masons to focus on quality control by identifying and fixing problems before production begins. Real-time data is uploaded to the web for improved planning, coordination and communication across teams and projects.

Benefits



Improved Productivity

Increases mason productivity and reduces lifting



Faster Production

Speeds up production and lowers the cost of installation



Better Forecasting

Advanced tools help you plan and quote jobs more accurately and efficiently



Ergonomically Designed

Creates less physical stress on the mason, resulting in a safer and happier workplace



Collaboration & Technology

Creates true collaboration between human and robot, giving masons the ability to incorporate new technical skills into their work



Real-time Data

Access to instant information allows you to continuously make changes and improvements to the job



RVB MASONRY SERVICES

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