

Innovative PEMA panel line provides efficiency, quality and high production capacity

With higher capacity and impeccable quality in mind, Babcock & Wilcox modernized its membrane wall panel welding machinery in its Monterrey, Mexico manufacturing facility with Pemamek.



Growth in demand

Babcock & Wilcox (B&W), founded in 1867, is a leading global provider of energy products and services, with approximately 5,700 employees worldwide. The company has operations around the world, including offices in the United States, Canada, China, Denmark, India and Mexico.

As B&W noticed a clear growth in demand for the products it produces in Monterrey, the company decided to invest in new, more efficient machinery. B&W had received referrals from several sources about PEMA's solid reputation of being the leader in membrane wall welding systems and providing reliable, yet innovative solutions.

"During the proposal phase of our project, Pemamek worked with us to develop customized solutions for our needs. Throughout the project, Pemamek's focus on schedule and timeliness was greatly appreciated." - B&W

PEMA Adds Desired Automation to Membrane Wall Panel Welding

Pemamek's solution for B&W's needs was PEMA's membrane wall panel welding line. As a highly automated processing machine, the panel line is able to provide mass production rates while ensuring high quality. Thanks to an integrated fin bar calibration, the machine produces bars precise in size before the welding process, efficiently and accurately welding tubes and fin bars together to form a part of a membrane wall.

Modern design, flexibility and advanced features were factors that led to B&W's decision to invest in PEMA's panel line. Additionally, PEMA's state-of-art WeldControl system, utilizing Lincoln Electric's Power Wave technology, was another winning recipe. PEMA's solution provided the ability to modify the production line according to B&W's specific needs. In the future as the demand and need of capacity grow, the line can also be extended with additional PEMA machinery.

"We had a very positive experience in dealing with Pemamek. Pemamek provided quick responses throughout the project." - B&W

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