

The brick house from the factory

PFT technology helps to lower construction expenses and reduce construction time

Everyone talks about cost-efficient construction: building contractor Bruno Karl Tadge actually practices it. The industrial manufacture of prefabricated wall units saves labour costs on the construction site and reduces construction time.

During their over 40-year history, Karl Tadge building contractors in Stadthagen have earned a solid reputation, not only in the Schaumburger area, but also in Thüringen and Brandenburg. Today, the group of companies is divided into ten dynamic enterprises in three locations. This also includes Karl Tadge Wandelemente GmbH, Nienstädt. This firm has specialised in the industrial manufacture of brick wall units for several years.

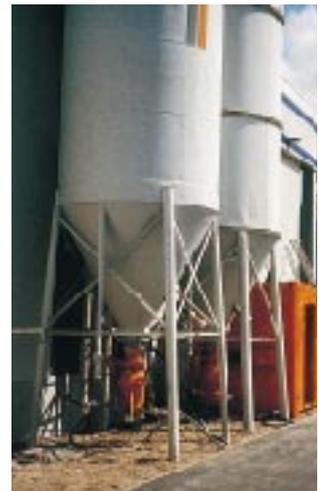
The goal of the enterprise, according to Bruno Karl Tadge, is to build a high-quality solid brick house in the shortest possible time at absolutely minimal costs. The relocation of the construction from a weather-dependent construction site to the protected, controlled conditions of a modern factory creates essential preconditions for meeting this goal.

PFT technology has been at home on the construction sites of the Tadge contracting firm for many years. The machinery is handled with absolute effectiveness by the PFT retailer Beckmann & Co., Hanover. Of course, PFT technology also serves to make stationary production more efficient. Here, the modern methods of assembly unit construction are combined with the advantages of manual bricklaying.



The PFT G 4 SUPER mixes and pumps the foundation mortar by remote control to the place of application in one work phase. In the background: PFT Continuous Mixer HM 2 with injection hood for continuous mixing of the bricklaying mortar.

PFT SILOMAT systems fill the PFT mixing machines dust-free fully automatically at the press of a button.



Easily comprehensible, regular production sequences, with a large proportion of the work being done by machines, ensure high production standards.

PFT technology ensures that a consistently sufficient quantity of optimally mixed wall mortar is continuously applied to the bricks.

It is simply a given for a modern building firm that no bags must be carried in order to create the masonry mortar and grout. A cleverly designed SILOMAT

conveying system allows either masonry mortar or grout to be removed at various stations in the factory.

Two PFT SILOMAT conveyors blow the mortar completely dust-free to the two PFT mixing machines, fully automatically at the press of a button. While the PFT Model HM 2 Continuous Mixer loads the mortar carriages fully automatically, the PFT Type G 4 SUPER Mixing Pump mixes and casts the foundations. The up to 8 m

long, closed wall units are always assembled according to the individual assignment for an entire house and transported to the building site on Special low loaders. Construction can be carried out largely independently of weather conditions.

At Tadge, PFT technology has been used for years in the areas of interior plaster, liquid floor plaster, and exterior plaster, and even the pumpable VOR bricklaying mortar is processed with the PFT G 4 SUPER.

Technical Data:	PFT G 4 SUPER
Engine output:	6 – 55 l/min, 30 bar
Drive:	5.5 kW
Fuse protection:	3 x 25 A slow-blow
Water connection:	3/4", 2.0 bar
Compressor output:	0.9 kW, 0.25 m ³ /h, at 4.0 bar
Dimensions (L/W/H):	720/1200/1550 mm
Filling height/Funnel capacity:	930 mm/150 l
or with cap:	1050 mm/200 l
Total weight:	270 kg