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# Qatar Clay Bricks Co. chooses aluminium racks for its new concrete block production line

Qatar Clay Bricks Co. from Doha is one of the most important brick producers in the region, but is also increasingly active in concrete block production. Masa GmbH from Andernach has now supplied a further complete concrete block making plant, including the rack system, to its long-standing customer. When it came to the hardening racks, Qatar Clay Bricks Co. was the first concrete plant operator in Qatar to choose an aluminium rack from HS Anlagentechnik, the practically non-corrodible HS-Alu-Premium curing chambers. The rack system, which has a total capacity of 5,016 sheets (1,400 x 1,300 mm), features the proven snap-in technology with continuous lateral board guidance and also impressed those responsible at Qatar Clay Bricks Co. with its fast and simple assembly.

## Masa XL 9.2 with automatic mould change

The heart of the new plant on the Arabian Peninsula on the Persian Gulf is the Masa XL 9.2 concrete block making machine with automatic mould change. The production of concrete blocks of all kinds with particularly accurate heights is only one of the many strengths of the Masa XL 9.2. The concrete block making machine is extended by a multicolour device from Masa in order amongst other things to manufacture high-

quality concrete blocks with colour transitions on the visible surface.

Apart from the complete ring plant, Masa also supplied and installed the dosing and mixing plant at its customer Qatar Clay Bricks. So in future the core concrete will be produced by the Masa PH 3000/4500 mixer, while the facing concrete will be manufactured by the Masa PH 500/750 mixer. Masa concrete mixers offer very high concrete quality of all grades and operate energy-efficiently, preserving resources.

## Tailor-made large chamber system

High manufacturing capacities are the norm in the concrete and precast industry. Fully automatic production lines, which are often operated in multi-shift systems, manufacture thousands of square metres of concrete paving every day.

Curing chambers are the logistic link between the wet and dry sides in these production lines. The freshly made elements are stored and the hardened products removed from storage, assembled into



Looking upwards to the Masa mixers from the PH model range



Final assembly of the Masa PH 3000/4500 mixer



Assembly of the Masa XL 9.2 concrete block making machine



The new HS aluminium rack with the Masa finger car



The curing chamber installed by HS Anlagentechnik has 22 levels with a distance between levels of 330 mm.



In total, the rack system measures 26,300 x 21,280 mm and has an overall height of 9,500 mm.



HS Anlagentechnik supplies curing chambers in a building kit system.

packets and prepared for dispatch. The required storage space capacities must be stable, load-bearing and dimensionally accurate.

The curing chamber installed by HS Anlagentechnik at Qatar Clay Bricks meets these requirements and has 22 levels with a distance between levels of 330 mm. In total, the rack system measures 26,300 x 21,280 mm and has an overall height of 9,500 mm. The cladding was attached directly to the rack system, so that the latter was increased in height by about 1 metre in order to improve the air circulation. The rack was manufactured as a large chamber system with Masa air circulation system.

### HS-Alu-Premium

Technological progress in the concrete block industry is enormous. Advancing automation and high-tech machines on the one hand and innovative new products on the part of concrete block manufacturers on the other are characteristic of this. HS Anlagentechnik has continually taken part in this development. HS-Alu-Premium, the aluminium version of the curing chambers, is a good example of this. Aluminium is a universal material with convincing properties that stand for functional, durable and reliable products. Its low weight, but at the same time high strength and rigidity should also be emphasised.

### Well mixed – aluminium alloys

The aluminium alloys (AlMgSi = aluminium, magnesium, silicon) that have been specially chosen for board supports and uprights are composed so as to produce the extremely heavy duty curing chambers that are indispensable in the concrete block industry.

### Snap-in joint

Just insert, press downwards – and the upright and support profiles are fixed per-

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manently to one another. The aluminium parts latch precisely with one another to the exact millimetre.

### HS building kit system – capacity and planning made to measure

HS Anlagentechnik supplies curing chambers in a building kit system. The chamber aisles are assembled using a frame construction method and combined with one another. Hence, the number of storage spaces can be planned individually and easily expanded. Each of these assemblies is a self-contained, absolutely solid unit with an inherent structural stability. Curing chambers from HS Anlagentechnik can always be constructed as free-standing structures. They do not need to be braced laterally or upwardly. ■

### FURTHER INFORMATION



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